

University of Arkansas, Fayetteville

**ScholarWorks@UARK**

---

Faculty Publications and Presentations

Research and Innovation

---

2011

## Faculty Publications & Presentations, 2010-2011

University of Arkansas, Fayetteville

Follow this and additional works at: <https://scholarworks.uark.edu/faculty-publications>

---

### Citation

University of Arkansas, Fayetteville. (2011). Faculty Publications & Presentations, 2010-2011. *Faculty Publications and Presentations*. Retrieved from <https://scholarworks.uark.edu/faculty-publications/10>

This Periodical is brought to you for free and open access by the Research and Innovation at ScholarWorks@UARK. It has been accepted for inclusion in Faculty Publications and Presentations by an authorized administrator of ScholarWorks@UARK. For more information, please contact [ccmiddle@uark.edu](mailto:ccmiddle@uark.edu).

UNIVERSITY OF ARKANSAS  
FAYETTEVILLE, ARKANSAS

PUBLICATIONS & PRESENTATIONS  
JULY 1, 2010 – JUNE 30, 2011

## **Table of Contents**

Bumpers College of Agricultural, Food and Life Sciences.....	Page 3
School of Architecture.....	Page 125
Fulbright College of Arts and Sciences.....	Page 133
Walton College of Business.....	Page 253
College of Education and Health Professions.....	Page 270
College of Engineering.....	Page 301
School of Law.....	Page 365
University Libraries.....	Page 375

**BUMPERS COLLEGE OF AGRICULTURE,  
FOOD AND LIFE SCIENCES**

**Agricultural Economic and Agribusiness**

- Alviola IV, P. A.**, and O. Capps, Jr. 2010 “Household Demand Analysis of Organic and Conventional Fluid Milk in the United States Based on the 2004 Nielsen Homescan Panel.” *Agribusiness: an International Journal* 26(3):369-388.
- Chang, Hung-Hao and **Rodolfo M. Nayga Jr.** 2010. “Childhood Obesity and Unhappiness: The Influence of Soft Drinks and Fast Food Consumption.” *J Happiness Stud* 11:261–275. DOI 10.1007/s10902-009-9139-4
- Das, Biswa R., and **Daniel V. Rainey.** 2010. "Agritourism in the Arkansas Delta Byways: Assessing the Economic Impacts." *International Journal of Tourism Research* 12(3): 265-280.
- Dixon, Bruce L., Bruce L. Ahrendsen, Aiko O. Landerito, Sandra J. Hamm, and Diana M. Danforth.** 2010. “Determinants of FSA Direct Loan Borrowers’ Financial Improvement and Loan Servicing Actions.” *Journal of Agribusiness* 28,2 (Fall):131-149.
- Drichoutis, Andreas C., **Rodolfo M. Nayga Jr.**, Panagiotis Lazaridis. 2010. “Do Reference Values Matter? Some Notes and Extensions on “Income and Happiness Across Europe.” *Journal of Economic Psychology* 31:479–486.
- Flanders, Archie and Eric J. Wailes.** 2010. “ECONOMICS AND MARKETING: Comparison of ACRE and DCP Programs with Simulation Analysis of Arkansas Delta Cotton and Rotation Crops.” *The Journal of Cotton Science* 14:26–33.
- Griffin, Terry** and George Baird, IV. 2010. “Conveying the Role of Professional Farm Managers to Potential Clientele.” *Journal of the American Society of Farm Managers and Rural Appraisers* 2010:193-198.
- Griffin, T. W.**, C. L. Dobbins, F. J. G. J. Florax, J. M. Lowenberg-DeBoer, T. J. Vyn. 2010. “Spatial Analysis of Precision Agriculture Data: Role for Extension. National Association of County Agricultural Agents Journal.
- Ibarra, Alonso Aguilar, Armando Sanchez Vargas and **Rodolfo M. Nayga, Jr.** 2010. “Water Quality Concerns and Acceptance of Irradiated Food: A Pilot Study on Mexican consumers.” *J Sci Food Agric* 90:2342-2344.
- Li, Yarui, Eric J. Wailes, Andrew McKenzie and Michael Thomsen.** 2010. “LL601 Contamination and Its Impact on U.S. Rice Prices.” *Journal of Agricultural and Applied Economics* 42,1(February):31-38.
- Loo, Ellen Van, **Vincenzina Caputo, Rodolfo M. Nayga, Jr.**, Jean-Francois Meullet, Philip G. Crandall and Steven C. Ricke. 2010. “Effect of Organic Poultry Purchase Frequency on Consumer Attitudes Toward Organic Poultry Meat.” *Journal of Food Science* 75, 7:384-397. Journal compilation C 2010 Institute of Food Technologists doi: 10.1111/j.1750-3841.2010.01775.x
- Meyer-Auricha, Andreas, **Terry W. Griffin**, Ruprecht Herbst, Antje Giebel, and Nawaz Muhammad. 2010. “Spatial Econometric Analysis of a Field-scale Site-specific Nitrogen Fertilizer Experiment on Wheat (*Triticum aestivum* L.) Yield and Quality.” *Computers and Electronics in Agriculture* 74:73–79.

Mwaijande, Francis A. Brink Kerr and **Eric Wailes**. 2010. "The Identification of Barriers to Agriculture-tourism Linkages in the U.S. Virgin Islands: Production, Marketing and Public Policy." *Journal of Poverty Alleviation and International Development*. 1,1(December):81-103.

**Nalley, L. Lanier**, and Andrew P. Barkley. 2010. "Using Portfolio Theory to Enhance Wheat Yield Stability in Low-Income Nations: An Application in the Yaqui Valley of Northwestern Mexico." *Journal of Agricultural and Resource Economics* 35(2):334-347.

**Nalley, Lawton L.**, Andrew P. Barkley and Allen Featherstone. 2010. "The Genetic and Economic Impact of the CIMMYT Wheat Breeding Program on Local producers in the Yaqui Valley, Sonora Mexico." *Agricultural Economics* 41:453-462. DOI: 10.1111/j.1574-0862.2010.00457.x

**Nalley, L., M. Popp**, and K. Brye. 2010. "GHG Emissions and Sequestration Estimates of Arkansas Cotton." Summaries of Arkansas Cotton Research. Research Series (582): 199-204. September.

**Popp, J., N. Kemper, W. Miller, K. McGraw** and K. Karr. 2010. "The Economic Contribution of the Agricultural Sector to the Arkansas Economy in 2008." University of Arkansas Agricultural Experiment Station. Research Report 989. 46 pp.

**Popp, Michael**, John Rupe and Craig Rothrock. 2010. "Economic Evaluation of Soybean Fungicide Seed Treatments." *American Society of Farm Managers and Rural Appraisers* 2010:50-62.

Rom, C. R., M. E. Garcia, J. McAfee, H. Friedrich, H. S. Choi, D. T. Johnson, **J. Popp** and M. Savin. 2010. "The Effects of Groundcover Management and Nutrient Source during Organic Orchard Establishment." *Acta Hort.* 873:105-113.

Rom, C. R., M. E. Garcia, D. T. Johnson, **J. Popp**, H. Friedrich, and J. McAfee. 2010. "High Tunnel Production of Organic Blackberries and Raspberries in Arkansas." *Acta Hort.* 873:269-276.

Van de Velde, L., W. Verbeke, **M. Popp**, and G. Van Huylenbroeck. 2010. "The Importance of Message Framing for Providing Information About Sustainability and Environmental Aspects of Energy." *Energy Policy* 38(10):5541-5549.

Tan, Andrew K.G., Steven T. Yen and **Rodolfo M. Nayga, Jr.** 2010. "Socio-demographic Determinants of Gambling Participation and Expenditures: Evidence from Malaysia." *International Journal of Consumer Studies* 34:316-325

Xue, Hong, Denise Mainville, Wen You, **Rodolfo M. Nayga Jr.** 2010. "Consumer Preferences and Willingness to Pay for Grass-fed Beef: Empirical Evidence from in-store Experiments." *Food Quality and Preference* 21:857-866

### **Agricultural and Extension Education**

**Edgar, L.D.** and **Cox, C.K.** (2010, Winter). How do previous research themes in the *Journal of Leadership Education* fit into the National Research Agenda: Agricultural Education and Communication? *Journal of Leadership Education*, 9(1).

Hudson, G.T., Sallee, C.W., **Johnson, D.M., Wardlow, G.W., Edgar, D.W.**, and Davis, J.A. (2010). A mobile unit for demonstrating performance, efficiency, and emissions of biofueled engines. *Applied Engineering in Agriculture*, 26(3): 521-525.

Hunt, C.L., **Johnson, D.M.**, and **Edgar, D.W.** (2010). Effects of diesel and biodiesel blends on engine performance and efficiency. *Discovery: The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences*, 11, 20-26.

O'Bryan, C., **Johnson, D.M.**, Shores-Ellis, K., Crandall, P., Marcy, J., Seideman, S., and Ricke, S. (2010). Designing an affordable usability test for e-learning modules. *Journal of Food Science Education*, 91): 6-10.

Pennington, K.M. and **Edgar, L.D.** (2010). Industry professionals' perceptions of crisis communications education needs for new professionals and best practices for Second Life<sup>®</sup> simulations. *Discovery: The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences*, 11, 33-39. Online at

Sallee, C.W., Davis, J.A., **Johnson, D.M.**, **Edgar, D.W.**, and **Wardlow, G.W.** (2010). Effectiveness of biodiesel education program for secondary students. *Journal of Applied Engineering in Agriculture*, 26(5): 937-941.

### **Agricultural Statistics Laboratory**

Amuri, N., K.R. **Brye**, E.E. Gbur, R. Oliver and J. Kelley (2010). Weed populations as affected by residue management practices in a wheat-soybean double crop production system. *Weed Science*, 58, 234-243.

**Brye**, K.R. and E.E. Gbur (2010). Regional differences in soil carbon and nitrogen storage as affected by landuse and soil moisture regime. *Soil Science*, 175, 339-348.

Daigh, A.L., K.R. **Brye**, A.N. Sharpley and E.E. Gbur (2010). Broiler litter composition as affected by water extractant, dilution ratio and extraction time. *Communications in Soil Science and Plant Analysis*, 41, 2340-2357.

Shivrain, V.K., N.R. **Burgos**, R.C. Scott, E.E. Gbur, L.E. Estorninos and M.R. McClelland (2010). Diversity of weedy red rice (*Oryza sativa* L.) in Arkansas, U.S.A. in relation to weed management. *Crop Protection*, 29, 721-730.

Gitau, M.W., I. Chaubey, E.E. **Gbur** and J.H. Pennington (2010). Impacts of land use change and BMP implementation in a CEAP watershed: Northwest Arkansas. *Journal of Soil and Water Conservation*, 65, 353-368.

Horax, R., N. **Hettiarachchy**, K. Over, P.Y. Chen and E. Gbur (2010). Extraction, fractionation and characterization of bitter melon seed proteins. *Journal of Agricultural and Food Chemistry*, 83, 1892-1897.

**Howard**, L.R., C. Castrodale, C. Brownmiller, and A. Mauromoustakos, (2010). Jam processing and storage effects on blueberry polyphenolics and antioxidant capacity. *J. Agric. Food Chem.* 58:4022-4029.

Monrad, J., L.R. **Howard**, J.W. King, K. Srinivas, and A. Mauromoustakos (2010). Sub-critical solvent extraction from dried red grape pomace. *J. Agric. Food Chem.* 58:2862-2868.

Wrather J. A., W.E. Stevens, E.D. Vories, T.L. **Kirkpatrick**, J.D. Mueller, and A. Mauromoustakos. (2010). The Use of root gall ratings to determine high risk zones in cotton fields infested by *Meloidogyne incognita*, *Crop Science*, 50(6): 2575-2579.

**Mattice**, J.D, R.J. Norman and E.E. Gbur (2010). Analysis of river water for rice pesticides in eastern Arkansas from 2002-2008. *Journal of Soil and Water Conservation*, 65(2), 130-140.

Bangarwa, S.K., J.K. **Norsworthy**, E.E. Gbur and J.D. Mattice (2010). Phenyl isothiocyanate performance on purple nutsedge under virtually impermeable film mulch. *HortTech*, 20, 402-408.

Bangarwa, S.K., J.K. **Norsworthy**, R.L. Rainey and E.E. Gbur (2010). Economic returns to plasticulture tomato production from crucifer cover crops as a methyl bromide alternative for weed management. *HortTech*, 20, 764-771.

Ondier, G., T.J. **Siebenmorgen**, and A. Mauromoustakos (2010). Low-temperature, low-relative humidity drying of rough rice. *Journal of Food Engineering* 100(3):545-550.

Ondier, G., T.J. **Siebenmorgen**, and A. Mauromoustakos. (2010). Equilibrium moisture contents of rough rice dried using high-temperature, fluidized bed conditions. Technical Note: *Trans. of the ASABE* 53(5):1667-1672.

Saldivar, X., Y.J. Wang, P. Chen and A. Mauromoustakos. (2010). Effects of blanching and storage conditions on soluble sugar contents in vegetable soybean. *Journal of Food Science and Technology*, 43(9): 1368-1372.

### **Biological and Agricultural Engineering**

**Abbott, J**, Medina Bolivar F, Martin E, Engelberth A, Villagarcia H, Clausen E and Carrier DJ. 2010. "Purification of resveratrol, arachidin-1 and arachidin-3 from hairy root cultures of peanut (*Arachis hypogaea*) and determination of their antioxidant activity and cytotoxicity." *Biotechnology Progress* 26: 1344-1351.

**Bajwa, S. G.**, A. R. Mishra, and R. J. Norman. 2010. "Canopy reflectance response to plant nitrogen accumulation in rice." *Precision Agriculture* 11(5): 488-506.

Garg, V., I. Chaubey, C. Maringani, and **S. G. Bajwa**. 2010. "Inverse modeling of Beaver Reservoir's water spectral reflectance." *Transactions of the ASABE* 53(2):373-383.

Kulkarni, S. S., and **S. G. Bajwa**. 2010. "Investigation on effects of soil compaction in cotton." *Transactions of the ASABE* 53(3): 667-674.

**Bajwa, S. G.**, A. R. Mishra, and R. Norman. 2010. "Plant nitrogen accumulation dynamics in rice (*Oryza sativa* L.) in response to nitrogen management." *Communications in Soil Science and Plant Analysis* 41(4): 454-471.

Post, J., **S. G. Bajwa**, Y. Liang, and T. A. Costello. 2010. "Comparison to two PM monitoring devices in a commercial broiler house". Air Quality Conference and Symposium, September 2010, Dallas.

Martin E, **K. Bunnell** , C. Lau, Pelkki M, Patterson D, Clausen E, Smith J and Carrier DJ. "Hot water and dilute acid pretreatment of high and low specific gravity *Populus deltoids* clones." *Journal of Industrial Microbiology*. DOI: 10.1007/s10295-010-0782-x

Martin E, **J. Duke**, Pelkki M, Clausen E and Carrier DJ (2010)." Sweetgum (*Liquidambar styraciflua* L.): Extraction of shikimic acid coupled to dilute acid pretreatment." *Applied Biochemistry and Biotechnology* 162:1660-1668.

**Haggard, B.E.** 2010. "Phosphorus concentrations, loads and sources at the Illinois River, Arkansas, 1997–2008." *Journal of Environmental Quality* 39: 2113-2120.

He, Z., Zhang, H., Toor, G.S., Dou, Z., Honeycutt, C.W., **Haggard, B.E.**, and Reiter, M.S. 2010. "Phosphorus distribution in sequentially-extracted fractions of biosolids, poultry litter and granulated products." *Soil Science* 175(4):154-161.

Huffhines, B., K.R. Brye, **B.E. Haggard**, and R.A. Morgan. 2010. "Net nutrient uptake in the White River, Northwest Arkansas, downstream of a municipal wastewater treatment plant." *Journal of Environmental Protection*.

Longing, S.D., and **Haggard, B.E.** 2010. "Distributions of median nutrient and chlorophyll concentrations across the Red River Basin, USA, 1996–2006." *Journal of Environmental Quality* 39: 1966-1974.

Longing, S.D., and **Haggard, B.E.** 2010. "Biological assessment to support ecological recovery of a degraded headwater system." *Environmental Management* 46: 459-470.

Brion, G., K.R. Brye, **B.E. Haggard**, C. West, and V. Brahana. 2010. "Land-use effects on water quality of a first-order stream in the Ozark Highlands, Mid-Southern United States." *River Research and Applications* [On-line, DOI: 10.1002/rra.1394].

David, M.M., and **B.E. Haggard**. 2010. "Development of regression-based models to predict fecal bacteria numbers at select sites within the Illinois River Watershed, Arkansas and Oklahoma, USA." *Water, Air and Soil Pollution* [On-Line, DOI 10.1007/s11270-010-0497-7]

**Kim, J.W.** 2010. "Self-Assembled Nanoparticle Composites for Laser-Induced *In Vivo* Medical Diagnostics of Cancer Stem Cells." *In* Proceedings of 2010 Annual Meeting of Korean Society for Stem Cell Research, Joint Symposium with Korean Society of Gene & Cell Therapy and 2<sup>nd</sup> Korea-UK Stem Cell Symposium, October 22, Seoul, Korea.

**Kim, J.W.** 2010. "Nanoparticles and Their Self-Assembled Nano-Composites for Multiplex, Multimodal Biomedical Sensing and Therapy." *In* Proceedings of 2010 International BIOTRONICS Conference, October 28, Seoul, Korea.

**Kim, J.W.** and V.P. Zharov. 2010. "Laser-Induced Nanoparticles for Biomedical Sensing and Therapy." *In* Proceedings of 5<sup>th</sup> IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Xiamen, China.

**Kim, J.-H** and Kim, J.-W. "Simultaneously controlled directionality and valency on a water-soluble gold nanoparticle precursor for aqueous-phase anisotropic self-assembly." *Langmuir* 26, 18634-18638 (2010).

**Kim, J.-W.**, Moon, H.-M., Benamara, M., Sakon, J., Salamo, G. & Zharov, V.P. "Aqueous-phase synthesis of monodisperse plasmonic gold nanocrystals using shortened single-walled carbon nanotubes." *Chemical Communications* 46, 7142-7144 (2010).

**Kotagiri, N.** and Kim, J.-W. "Carbon nanotubes fed on 'carb': coating of single-walled carbon nanotubes by dextran sulfate." *Macromolecular Bioscience* 10, 231-238 (2010).

**Lau C**, Bunnell K, Clausen E, Thoma G, Lay J, Gidden J and D.J. Carrier. "Separation and purification of xylose oligomers using centrifugal partition chromatography." *Journal of Industrial Microbiology*. DOI 10.1007/s10295-010-0799-1.

Yu, W., **Lee, J.S.** Johnson, C., Kim, J.-W. & Deaton, R. "Independent sets of DNA oligonucleotides for nanotechnology applications." *IEEE Transactions on Nanobioscience* 9, 38-43 (2010).

Gollany, H.G., J.M. Novak, **Y. Liang**, S.L. Albrecht, R.W. Rickman, R.F. Follett, W.W. Wilhelm and P.G. Hunt. 2010. "Simulating soil organic carbon dynamics with residue removal using the CQESTR model." *Soil Science Society of American Journal* 74(2):372-383.

**Liang, Y.** K.W. VanDevender, and G.T. Tabler. 2010. Field evaluation of windbreak effect on airflow downwind of poultry housing tunnel fans. Proceedings of International Symposium on Air Quality & Manure Management for Agriculture (peer reviewed), Dallas, TX.



**Liang, Y.** G.T. Tabler, and K.W. VanDevender. 2010. Ammonia emissions from downtime litter management in broiler housing. Proceedings of International Symposium on Air Quality & Manure Management for Agriculture (peer reviewed), Dallas, TX

**Moon, H.-M** and Kim, J.-W. “Carbon nanotube clusters as universal bacterial adsorbents and magnetic separation agents.” *Biotechnology Progress* **26**, 179-185 (2010).

Engel, B., I. Chaubey, M. Thomas, **D. Saraswat**, P. Murphy, and B. Bhaduri. 2010. Biofuels and Water Quality: Challenges and Opportunities for Simulation Modeling. Future Science Group: Biofuels. 1(3): 463-477.

**Saraswat, D.**, N. Pai, and M. Daniels. 2010. Identifying priority subwatersheds using distributed modeling approach. In TMDL 2010 Watershed Management to Improve Water Quality Conference, CD-ROM. (14-17 November 2010, Baltimore, MD USA) I. Chaubey and G. Yagow, eds. ASABE Publication No. 711P0710cd. St. Joseph, Mich.: ASABE.

**Saraswat, D.** and N. Pai. 2010. Algorithm for Mapping SWAT Model Output to Field Boundaries. In Proc. India 2010 Conference, CD-ROM, Chennai, India: AWRC.

**Sharpley, A.**, M. Daniels K. VanDevender, B. Haggard, N. Slaton, and C. West., Using the 2010 Arkansas Phosphorus Index. 2010. MP487. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**Sharpley, A.**, P. Moore, K. VanDevender, M. Daniels, W. Delp, B. Haggard, T. Daniel, and A. Baber., Arkansas Phosphorus Index. 2010. FSA9531. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**Veetil, V.J.**, Jin, S. and Ye, K. (2010) A Glucose Sensor Protein for Continuous Glucose Monitoring. *Biosensors and Bioelectronics*, 26 (2010) 1650–1655.

**Veetil, V.J.**, Jin, S., K. Ye. (2010) “A Glucose sensor protein for continuous glucose monitoring.” *Biosensors and Bioelectronics*. 26, 1650-1655.

Wang, Y., **R. Wang**, Y. Li, B. Srinivasan, S. Tung, M. Slavik, and C. Griffis. 2010. “Detection of *Escherichia coli* O157:H7 using an interdigitated array microelectrode based immunosensor.” *Biological Engineering* 2(2):49-62.

Geels, M. and **Ye, K.**, (2010) “Development in high-yield system expressed vaccines.” *Recent patents on Biotechnology*, 4, 189-197

Pan, Z., Cunningham, D.S., Zhu, T., **K. Ye.**, Koepsel, R.R., Domach, M.M., Atai, M.M. (2010) “Enhanced recombinant protein production in pyruvate kinase mutant of *Bacillus Subtilis*.” *Appl. Microbiol. Biotechnol*, 85, 1769-1778

Heffernan, M.J., **D.A. Zaharoff.**, Fallon, J.K., Greiner, J.W. “In vivo efficacy of a chitosan/IL-12 adjuvant system for protein-based vaccines.” *Biomaterials*, 32(3):926-32, 2011.

**Zaharoff, D.A.**, Hance, K.W., Rogers, C.J., Schlom, J., Greiner, J.W. “Intratumoral immunotherapy of established solid tumors with chitosan/IL-12.” *Journal of Immunotherapy*, 33(7):697-705, 2010.

### **Crop, Soil Environmental Sciences**

Akbudak M.A., A. More, S. Nandy, V. Srivastava. 2010. Dosage-Dependent Gene Expression from Direct Repeat Locus in Rice Developed by Site-Specific Gene Integration. *Mol. Biotechnol.* 45:15-23. (Impact factor: 2.444)

Akiyama, T., K. Asfahl, and **M.C. Savin**. 2010. Broad-Host-Range Plasmids in Treated Wastewater Effluent and Receiving Streams. *Journ. of Environmental Quality*. 39:2211-2215.

Akiyama, T., and **M.C. Savin**. 2010. Populations of Antibiotic-Resistant Coliform Bacteria Change Rapidly in a Wastewater Effluent Dominated Stream. *Science of the Total Environment*. 408:6192-6201.

Amuri, N., **K.R. Brye**, E.E. Gbur, D. Oliver, and J. Kelley. 2010. Weed Populations as Affected by Residue Management Practices in a Wheat-Soybean Double-Crop Production System. *Weed Sci*. 58:234-243.

**Anders, M.M.**, P.A. Beck, B.K. Watkins, S.A. Gunter, K.S. Lusby, and D.S. Hubble. 2010. Soil Aggregates and their Associated Carbon and Nitrogen Content in Winter Ann. Pastures. *Soil Sci. Soc. Am. Journ.* 74:1339-1347.

Bajwa, S.G., A.R. Mishra, and **R.J. Norman**. 2010. Canopy Reflectance Response to Plant Nitrogen. *Precision Agric*: 11:488-506.

Bajwa, S.G., A.R. Misha, and **R.J. Norman**. 2010. Plant Nitrogen Accumulation Dynamics in Rice (*Oryza sativa* L.) in Response to Nitrogen Management. *Comm. Soil Sci. & Plant Anal.* 41: 4, 454-471.

Bangarwa, S.K., **J.K. Norsworthy**, E.E. Gbur. and J.D. Mattice. 2010. Phenyl Isothiocyanate Performance on Purple Nutsedge under Virtually Impermeable Film Mulch. *HortTech*. 22:402-408.

Bibi, A.C., **D.M. Oosterhuis**, and E.D. Gonias. 2010. Exogenous Application of Putrescine Meliorates the Effect of High Temperature in *Gossypium hirsutum* L. Flowers and Fruit Development. *Journ. Agron. and Crop Sci.* 196:205-211.

**Bourland, F.M.**, R. Hogan, D.C. Jones, and E. Barnes. 2010 Development and Utility of Q-Score for Characterizing Cotton Fiber Quality. *Journ. Cotton Sci.* 14:53-63. Available at <http://www.cotton.org/journal/2010-14/2/upload/JCS14-53.pdf>.

**Bourland, F.M.**, and D.C. Jones. 2010. Registration of Arkot 9811 and Arkot 9815 Germplasm Lines of Cotton. *Journ. Plant Registrations* 4:232-235.

Brion, G., **K. Brye**, B. Haggard, V. Brahana, and C. West. 2010. Land-use Effects on Water Quality of a First-Order Stream in the Ozark Highlands, Mid-Southern United States. *River Research and Applications*. DOI: 10.1002/rra.1394.

Brooks, S.A., **M.M. Anders**, K.M. Yeater. 2010. Effect of Furrow Irrigation on the Severity of False Smut in Susceptible Rice Varieties. *Plant Disease* 94:5:570-574.

Brown, S. and **D.M. Oosterhuis**. 2010. High Daytime Temperature Stress Effects on the Physiology of Modern Versus Obsolete Cultivars. *Am. Journ. Plant Sci. And Biotechnol.* 4:93-96

**Brye, K.R.**, and E.E. Gbur. 2010. Regional Differences in Soil Carbon and Nitrogen Storage as Affected by Landuse and Soil Moisture Regime. *Soil Sci.* 175:339-348.

**Brye, K.R.**, A.L. Daigh, B.C. Menjoulet, M.L. Pirani, and C.P. West. 2010. Trends in Dry Matter Yield Following Differential Broiler Litter Application from a Soil Enriched with Organic Matter and Phosphorus. Online. Forage and Grazinglands doi:10.1094/FG-2010-0407-01-RS.

Burner, D.M., and **C.P. West**. 2010. Improving Tall Fescue Shade Tolerance: Identifying Candidate Genotypes. *Ag. Systems* DOI: 10.1007/s10457-009-9274-2.

Caldwell, J., K. Coffey, D. Philipp, K. Krehbiel, B. Holland, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, D. Kreider, M. Looper, M. Popp, **M. Savin**, E. Kegley, and C. Rosenkrans, Jr. 2010. Post-Weaning Performance by Spring and Fall-Born Steers Weaned from Full Access, Limited Access, or No Access to Endophyte -Infected Tall Fescue - 2 Year Summary. Journ. Anim. Sci. 88.

Caldwell, J., K. Coffey, D. Philipp, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, D. Kreider, M. Looper, M. Popp, **M. Savin**, E. Kegley, and C. Rosenkrans, Jr. 2010. Using Limited Acreage of Non-Toxic, Novel Endophyte-Infected Tall Fescue for Spring and Fall-Calving Cows Grazing Toxic, Wild-type Endophyte Infected Fescue. Journ. Anim. Sci. 88.

Cotner, J.B., E. Hall, **J.T. Scott**, and M. Haldal. 2010. Freshwater Bacteria Are Stoichiometrically Flexible and Have a Nutrient Composition Similar to Seston. Frontiers in Aquatic Microbiology 1: 1-11; doi:10.3389/fmicb.2010.00132.

Daigh, A.L., **K.R. Brye**, A.N. Sharpley, D.M. Miller, and E.E. Gbur. 2010. Broiler Litter Composition as Affected by Water Extractant, Dilution Ratio, and Extraction Time. Comm. Soil Sci. Plant Anal. 41:2340-2357.

David, M.M., and **B.E. Haggard**. 2010. Development of Regression-Based Models to Predict Fecal Bacteria Numbers at Select Sites Within the Illinois River Watershed, Arkansas and Oklahoma, USA. Water, Air and Soil Pollution [On-Line, DOI 10.1007/s11270-010-0497-7]

Dowd, M.K., D.L. Boykin, W.R. Meredith, Jr., B.T. Campbell, **F.M. Bourland**, J.R. Gannaway, K.M. Glass, and J. Zhang. 2010. Fatty Acid Profiles of Cotton Genotypes from the National Cotton Variety Trials. Journ. Cotton Sci.14:64-73. Available at <http://www.cotton.org/journal/2010-14/2/upload/JCS14-64.pdf>.

Doyle, R.D., **J.T. Scott**, and M.G. Forbes. 2010. Hot Spots and Hot Moments of Planktonic Nitrogen Fixation in a Eutrophic Southern Reservoir. Lake and Reservoir Management 26: 95-103.

Filstrup, C.T., **J.T. Scott**, J.D. White, and O.T. Lind. 2010. Sediment Elemental and Isotopic Compositions Record a Polymictic Reservoir's Eutrophication. Lakes and Reservoirs: Research and Management 15: 25-39.

Groves, F.E., and **F.M. Bourland**. 2010. Estimating Seed Surface Area of Cottonseed. Journ. Cotton Sci. 14:74-81. Available at <http://www.cotton.org/Journ./2010-14/2/upload/JCS14-74.pdf>.

**Haggard, B.E.** 2010. Phosphorus Concentrations, Loads and Sources at the Illinois River, Arkansas, 1997-2008. Journ. of Environmental Quality 39: 2113-2120.

He, Z., H. Zhang, G.S. Toor, Z. Dou, C.W. Honeycutt, **B.E. Haggard**, and M.S. Reiter. 2010. Phosphorus Distribution in Sequentially-Extracted Fractions of Biosolids, Poultry Litter and Granulated Products. Soil Science 175(4):154-161.

Hirsch, R.L., D.O. Tebeest, **C.P. West**, B.H. Bluhm. 2010. First Report of Rust Caused by *Puccinia Emaculata* on Switchgrass in Arkansas. Plant Disease 94:381.

Horax, R., N.S. Hettiarachchy, and **P. Chen**. 2010. Extraction, Quantification, and Antioxidant Activities of Phenolics from Pericarp and Seeds of Bitter Melons (*Momordica charantia*) Harvested at 3 Maturity Stages (Immature, Mature, and Ripe). Journ. Agri. Food Chem. 58(7):4428-4433.

Horax, R., N.S. Hettiarachchy, A. Kannan, and **P. Chen**. 2010. Protein Extraction Optimization, Characterization, and Functionalities of Protein Isolate from Bitter Melon (*Momordica charantia*) Seed. Food Chem. 124:545-550.

Horax, R., N.S. Hettiarachchy, K. Over, **P. Chen**, and E. Gbur. 2010. Extraction, Fractionation and Characterization of Bitter Melon Seed Proteins. *Journ. Agri. Food Chem.* 58(3):1892-1897.

Horax, R., N.S. Hettiarachchy, A. Kannan, and **P. Chen**. 2010. Proximate Composition, Amino Acid and Mineral Contents of *Momordica charantia* L. Pericarp and Seeds at Different Maturity Stages. *Food Chem.* 122(4):1111-1115.

Hou, A., **P. Chen**, A. Shi., B. Zhang, and Y.J. Wang. 2010. Sugar Variation in Soybean Seed Assessed with a Rapid Extraction and Quantification Method. *Intl. Journ. Agron.* (DOI:10.1155/2009/484571).

Jha, P., **J.K. Norsworthy**, M.B. Riley, and W. Bridges, Jr. 2010. Ann. Changes in Temperature and Light Requirements for Palmer Amaranth (*Amaranthus palmeri*) Seeds Retrieved from Soil. *Weed Sci.* 58:426-432.

Jha, P., **J.K. Norsworthy**, M.B. Riley, and W. Bridges, Jr. 2010. Shade and Plant Location Effects on Germination and Hormone Content of Palmer Amaranth (*Amarnathus palmeri*) seed. *Weed Sci.* 58:16-21.

Jha, P., **J.K. Norsworthy**, and R.C. Scott. 2010. Cyhalofop Application Timing and Adjuvant Selection for Echinochloa Crus-Galli Control in Rice. *Crop Prot.* 29:820-823.

Jia, Y. and **K. Moldenhauer**. 2010. Development of Monogenic and Digenic Rice Lines for Blast Resistance Genes *Pi-ta*, *Pi-k<sup>h</sup>/Pi-k<sup>s</sup>*. *Journ. of Plant Registrations* 4:163-166.

Jung, H.I., Y.I. Kuk, H.Y. Kim, K. Back, D.J. Lee, S. Lee, **N.R. Burgos**. 2010. Resistance Levels and Fitness of Protoporphyrinogen Oxidase (PROTOX) Inhibitor-Resistant Transgenic Rice in Paddy Fields. *Field Crops Res.* 115:125-131.

Kawakami, E.M., **D.M. Oosterhuis**. and J.L. Snider. 2010. Physiological Effects of 1-Methylcyclopropene on Well-Watered and Water-Stressed Cotton Plants. *Journ. Plant Growth Regulation* 29:280-288.

Lawton-Rauh A. and **N.R. Burgos**. 2010. Cultivated and Weedy Rice Interactions and Domestication Process. *Molec. Ecol.*, 19 (16): 3243-3245.

Li, Xiaobai, Wengui Yan, Hesham Agrama, Biaotin Hu, Limeng Jia, Melissa Jia, Aaron Jackson, **Karen Moldenhauer**, Anna McClung and Dianxing Wu. 2010. Genotypic and Phenotypic Characterizations of Genetic Differentiation and Diversity in the USDA Rice Mini-Core Collection. *Gentica: Volume 138, Numbers 11-12, 1221-1230.* DOI: 10.1007/s10709-010-9521-5

Li, D., **P. Chen**, J. Alloatti, A. Shi, and Y. F. Chen. 2010. Identification of New Alleles for Resistance to Soybean Mosaic Virus in Soybean. *Crop Sci.* 50:649-655.

Li, S., **P. Chen**, J. Rupe, and A. Wrather. 2010. Reaction of Maturity Group V Soybean Plant Introductions to Phomopsis Seed Decay in Arkansas, Mississippi, and Missouri, 2009. *Plant Disease Management Reports* 4:ST034. Available at <http://www.plantmanagementnetwork.org/pub/trial/PDMR/reports/2010/ST034.pdf>.

Loka, D. and **D.M. Oosterhuis**. 2010. Effects of High Night Temperature on Cotton Respiration, ATP Levels and Carbohydrate Content. *Journ. Exp Environ Bot* 68:258-263.

Longing, S.D., and **B.E. Haggard**. 2010. Biological Assessment to Support Ecological Recovery of a Degraded Headwater System. *Environmental Management* 46: 459-470.

Longing, S.D., and **B.E. Haggard**. 2010. Distributions of Median Nutrient and Chlorophyll Concentrations Across the Red River Basin, USA, 1996-2006. *Journ. of Environmental Quality* 39: 1966-1974.

Malik, M.S., M.B. Riley, **J.K. Norsworthy**, and W. Bridges, Jr. 2010. Variation of Glucosinolate in Wild Radish (*Raphanus raphanistrum*) Accessions. Journ. Ag., Food, Chem. 58:11626-11632.

Malik, M.S., **J.K. Norsworthy**, M.B. Riley, and W. Bridges, Jr. 2010. Temperature and Light Requirements for Wild Radish (*Raphanus raphanistrum*) Germination over a 12-Month Period Following Maturation. Weed Sci. 58:136-140.

Malik, M.S., M.B. Riley, **J.K. Norsworthy**, and W. Bridges, Jr. 2010. Glucosinolate Profile Variation among Growth Stages of Wild Radish (*Raphanus raphanistrum*). Journ. Ag. Food Chem. 58:3309-3315.

Malik, M.S., **N.R. Burgos**, and R.E. Talbert. 2010. Confirmation and Control of Propanil-Resistant and Quinclorac-Resistant Barnyardgrass in Rice. Weed Technol. 24:226-233.

Maschmann, E.T., **N.A. Slaton**, R.D. Cartwright, and R.J. Norman. 2010. Rate and Timing of Potassium Fertilization and Fungicide Influence Rice Yield and Stem Rot. Agron. Journ. 102:163-170.

**Mason, R.E.**, S. Mondal, F.W. Beecher, A. Pacheco, B. Jampala, A.M.H. Ibrahim, D.B. Hays. 2010. QTL Associated with Heat Susceptibility Index in Wheat (*Triticum aestivum* L.) Under Short-Term Reproductive Stage Heat Stress. Euphytica 174: 423-436.

Massey, L.B., **B.E. Haggard**, J.M. Galloway, K.A. Loftin, M.T. Meyer, and W.R. Green. 2010. Antibiotic Fate and Transport in Three Effluent-dominated Ozark Streams. Ecological Engineering 36(7): 930-938.

**Mattice, J.D.**, B.W. Skulman, R.J. Norman, E.E. Gbur, Jr. 2010. Analysis of River Water for Rice Pesticides in Eastern Arkansas from 2002 to 2008. Journ. of Soil and Water Conservation 2010 65(2):130-140.

McDowell, R. W., and A.N. Sharpley. 2009. Atmospheric Deposition Contributes Little Nutrient and Sediment to Stream Flow from an Agricultural Watershed. Ag. Ecosys. Environ. 134:19-23.

Meng, J., Y. Xu, C. Li, X. Zhang, S. Li, D. Dong, and **P. Chen**. 2010. Soybean Growth and Soil Microbial Populations under Conventional and Conservation Tillage Systems. Journ. Crop Improvement 24 (4): 337-348.

Nandy S and **V. Srivastava**. 2010. Site-Specific Gene Integration in Rice Genome Mediated by the FLP-FRT Recombination System. Plant Biotech Journ. doi: 10.1111/j.1467-7652.2010.00577.x (Impact factor: 4.732)

**Norsworthy, J.K.**, P. Jha, L.E. Steckel, and R.C. Scott. 2010. Confirmation and Control of Glyphosate-resistant Giant Ragweed (*Ambrosia trifida*) in Tennessee. Weed Technol. 24:64-70.

**Norsworthy, J.K.**, M.S. Malik, M.B. Riley, and W. Bridges, Jr. 2010. Effect of Temperature and Photoperiod on Phenological Development of Wild Radish (*Raphanus raphanistrum*) in South Carolina. Weed Sci. 58:402-407.

**Norsworthy, J.K.**, M. McClelland, G. Griffith, S.K. Bangarwa, and J. Still. 2010. Evaluation of Legume Cover Crops and Weed Control Programs in Conservation-Tillage, Enhanced, Glyphosate-Resistant Cotton. Weed Technol. 24:269-274.

**Norsworthy, J.K.**, S.K. Bangarwa, R.C. Scott, J. Still, and G.M. Griffith. 2010. Use of Propanil and Quinclorac Tank Mixtures for Broadleaf Weed Control on Rice (*Oryza sativa*) Levees. Crop Prot. 29:255-259.

Oard, J., **K. Moldenhauer**, R. Fjellstrom, J.C. Nelson, B. Scheffler, S. Linscombe, J. Correll, J. Silva, G.D. May. 2010. Registration of the MY2 Cypress/LaGrue Rice Recombinant Inbred Line Mapping Population. *Journ. of Plant Registrations* 4 (3):261-265.

Paerl, H.W. and **J.T. Scott**. 2010. Throwing Fuel on the Fire: Synergistic Effects of Excessive Nitrogen Inputs and Global Climate Change on Harmful Algal Blooms. *Env. Sci. & Tech.* 44: 7756-7758.

**Purcell, L.C.**, K.R. Brye, M.R. McClelland, and M.C. Savin. 2010. Comment on "Soybean Aphid Population Dynamics, Soybean Yield Loss, and Development of Stage-Specific Economic Injury Levels" by M. A. Catangui, E. A. Beckendorf, and W. E. Riedell, *Agron. Journ.* 101:1080-1092 (2009) *Agronomy Journ.* 102:55-56.

Rom, C.R., M.E. Garcia, J. McAfee, H. Friedrich, H.S. Choi, D.T. Johnson, J. Popp and **M. Savin**. 2010. The Effects of Groundcover Management and Nutrient Source During Organic Orchard Establishment. *Acta Hort.* 873: 105-113.

Saldivar, X., Ya-Jane Wang, **P. Chen**, and A. Hou. 2010. Changes in Chemical Composition During Soybean Seed Development. *Journ. Food Chem.* 124:1369-1375.

Saldivar, X., Y.-J. Wang, **P. Chen**, and A. Mauromoustakos. 2010. Effects of Blanching and Storage Conditions on Soluble Sugar Contents in Vegetable Soybean. *LWT-Food Sci. and Tech.* 43:1368-1372.

**Scott, J.T.**, and M.J. McCarthy. 2010. Nitrogen Fixation May Not Balance the Nitrogen Pool of Lakes over Timescales Relevant to Eutrophication Management. *Limnology and Oceanography* 55: 1265-1270.

**Sharpley, A.N.**, Matlock, M., Heathwaite, A.L., and Simpson, T.W. 2010. Managing Agricultural Catchments to Sustain Production and Water Quality. *In* R. Ferrier and A. Jenkins (eds), *Handbook of Catchment Management*. Blackwell Publishing, Oxford, England. p. 107-134.

**Sharpley, A.N.** 2010. Agriculture's Challenge: Feeding the World While Sustaining Environmental Stewardship. *Currents* 11(1):2-3.

Shi, A., S. Kantartz, M. Mmbaga, and **P. Chen**. 2010. PCR-RFLP is a Useful Tool to Distinguish Two Powdery Mildew Pathogens of Flowering Dogwood (*Cornus florida*). *Ag. Biol. Journ. N. Am.* 1(3):208-212.

Shi, A., S. Kantartzi, M. Mmbaga, and **P. Chen**. 2010. Development of ISSR PCR Markers for Diversity Study in Dogwood (*Cornus* spp.). *Ag. Biol. Journ. N. Am.* 1(3):189-194.

Shi, A., **P. Chen**, B. Zhang, and A. Hou. 2010. Genetic Diversity and Association Analysis of Protein and Oil Content in Food-Grade Soybeans from Asia and the United States. *Plant Breeding* 129:250-256.

Shi, A., R. Vierling, R. Grazzini, **P. Chen**, H. Caton, and Y. Weng. 2010. Development of Single Nucleotide Polymorphism (SNP) Markers for Selection of *Ve* gene of Tomato Verticillium Wilt Resistance. *Intl. Res. Journ. Plant Sci.* 1(2): 34-42.

Shivrain, V.K., **N.R. Burgos**, R.C. Scott, E.E. Gbur Jr., L.E. Estorninos Jr., M.R. McClelland. 2010. Diversity of Weedy Red Rice (*Oryza sativa* L.) in Arkansas, U.S.A. in Relation to Weed Management. *Crop Prot.* 29:721-730.

Shivrain, V.K., **N.R. Burgos**, H.A. Agrama, A. Lawton-Rauh, B. Lu, M.A. Sales, V. Boyett, D.R. Gealy, K.A.K. Moldenhauer. 2010. Genetic Diversity of Weedy Red Rice (*Oryza sativa*) in Arkansas, USA. *Weed Research* 50: 289-302.

- Shivrain, V.K., **N.R. Burgos**, M.A. Sales, and Y.I. Kuk. 2010. Polymorphisms in the ALS Gene of Weedy Rice Accessions with Different Tolerance to Imazethapyr. *Crop Prot.* 29(4):336-341.
- Slaton, N.A.**, B.R. Golden, R.E. DeLong, and M. Mozaffari. 2010. Correlation and Calibration of Soil Potassium Availability with Yield and Trifoliate Leaf Potassium Concentration of Full-Season Soybean. *Soil Sci. Soc. Am. Journ.* 74:1642-1651.
- Snider, J.L., **D.M. Oosterhuis**, and E.M. Kawakami. 2010. Genotypic Differences in Thermotolerance Are Dependent upon Prestress Capacity for Antioxidant Protection of the Photosynthetic Apparatus in *Gossypium hirsutum*. *Physiol. Plant.* 138:268-277.
- Srivastava V.** and D. Gidoni. 2010. Site-Specific Gene Integration Technologies for Crop Improvement. *In Vitro Cellular and Developmental Biology - Plant* 46:219-232. (Impact factor: 0.5)
- Watkins, K.B., J.A. Hignight, **R.J. Norman**, T.L. Roberts, N.A. Slaton, C.E. Wilson, Jr., and D.L. Frizzell. 2010. Comparison of Economic Optimum Nitrogen Rates for Rice in Arkansas. *Agron. Journ.* 102:1099-1108.
- Watkins, K.B., J.A. Hignight, P.A. Beck, **M.M. Anders**, D.S. Hubbell, III, and S. Gadberry. 2011. Stochastic Dominance Analysis of Returns to Stocker Grazing on Conservation Tillage Winter Wheat Forage in Arkansas. *Journ. of Soil and Water Conservation.* 66:1, Jan/Feb 2011, p. 51-60.
- White, J.D., S.J. Prochnow, C.T. Filstrup, **J.T. Scott**, B.W. Byars, and L. Zygo-Flynn. 2010. A Combined Watershed-Water Quality Modeling Analysis of the Waco Lake Reservoir: I. Calibration and Confirmation of Predicted Water Quality. *Lake and Reservoir Management* 26: 147-158.
- Woeste, K., S. Blanche, **K. Moldenhauer**, and D. Nelson. 2010. Plant Breeding and Rural Development in the United States. *Crop Sci.* 50: 1625-1632.
- Zhang, B., **P. Chen**, S. L. Florez-Palacios, A. Shi, A. Hou, and T. Ishibashi. 2010. Seed Quality Attributes of Food-Grade Soybeans from the U.S. and Asia. *Euphytica* 173(3): 387-396.

### **Entomology**

- Barnes, J. K.** 2010. New species related to *Diogmites angustipennis* Loew (Diptera: Asilidae). *Zootaxa*, 2545:1-22.
- Barnes, J. K.** 2010. Revision of Nearctic *Stichopogon* species (Diptera: Asilidae) with white-banded abdomens, including description of *Stichopogon venturiensis*, new species, from coastal California. *Proceedings of the Entomological Society of Washington*, 112:367-380.
- Dowling**, A.P.G., G. R. Bauman, J. J. Beard and R. Ochoa. 2010. SEM vouchers and genomic data from an individual specimen: maximizing the utility of delicate and rare specimens. *Acarologia*, 50:479-485.
- Dowling**, A.P.G., and B. M. OConnor. 2010. Phylogenetic relationships within the suborder Dermanyssoidea (Acari: Parasitiformes) and a test of dermanyssoid monophyly. *International Journal of Acarology*, 36:299-312.
- Dowling**, A.P.G., and B. M. OConnor. 2010. Phylogeny of Dermanyssoidea (Acari: Parasitiformes) suggests multiple origins of parasitism. *Acarologia*, 50:113-129.
- Fisher, J. R., and A.P.G. **Dowling**. 2010. Modern methods and technology for doing classical taxonomy. *Acarologia*, 50:395-409.

Roy, L., A.P.G. **Dowling**, C. M. Chauve and T. Buronfosse. 2010. Diversity of phylogenetic information according to the locus and the taxonomic level: an example from a parasitic mesostigmatid mite genus. *International Journal of Molecular Science*, 11:1704-1734.

Anstead J., P. Samuel, N. Song, C. Wu, G. A. Thompson and F. L. **Goggin**. 2010. Activation of ethylene-related genes in response to aphid feeding on resistant and susceptible melon and tomato plants. *Entomologia Experimentalis et Applicata*, 134:170-181.

Francis F., F. Guillonneau, P. Leprince, E. De Pauw, E. Haubruge, L. Jia and F. L. **Goggin**. 2010. Tritrophic interactions among *Macrosiphum euphorbiae* aphids, their host plants and endosymbionts: investigation by a proteomic approach. *Journal of Insect Physiology*, 56:575-585.

**Goggin**, F. L., C. A. Avila and A. Lorence. 2010. Vitamin C content in plants is modified by insects and influences susceptibility to herbivory. *Bioessays*, 32:777-790.

Pallipparambil, R., J. Reese, C. A. Avila, J. Louis and F. L. **Goggin**. 2010. *Mi*-mediated aphid resistance in tomato: tissue localization and impact on the feeding behavior of two potato aphid clones with differing levels of virulence. *Entomologia Experimentalis et Applicata*, 135:295-307.

Suza, W. P., C. A. Avila, K. Carruthers, S. Kulkarni, F. L. **Goggin** and A. Lorence. 2010. Exploring the impact of wounding and jasmonates on ascorbate metabolism. *Plant Physiology and Biochemistry*, 48:337-350.

**Johnson**, D., B. Lewis, C. **Rom**, H. Friedrich, R. Bryant and M. Pszczolkowski. 2010. Organic fruit production needs and pest management practices in the southeastern United States. *Acta Hort*, 873:37-44.

**Johnson**, D. T., C. R. **Rom**, J. McAfee, J. McKern, E. T. Stafne and J. R. **Clark**. 2010. Differences in defoliation of fruit genotypes by adult Japanese beetle feeding. *Journal of American Pomologist Society*, 64:184-198.

**Rom**, C., M. E. **Garcia**, J. McAfee, H. Friedrich, H. S. Choi, D. T. **Johnson**, J. **Popp** and M. **Savin**. 2010. The effects of groundcover management and nutrient source during organic orchard establishment. *Acta Hort*, 873:105-113.

**Rom**, C., M. E. **Garcia**, D. T. **Johnson**, J. **Popp**, H. Friedrich and J. McAfee. 2010. High tunnel production of organic blackberries and raspberries in Arkansas. *Acta Hort*, 873:269-276.

Vincent, C., M. E. **Garcia**, D. T. **Johnson** and C. R. **Rom**. 2010. Broad mite on primocane-fruited blackberry in organic production in Arkansas. *HortTechnology*, 20:718-723.

Conway, H. E., and T. J. **Kring**. 2010. Coccinellids associated with the cotton aphid (Homoptera:Aphididae) in northeast Arkansas cotton. *Journal of Entomological Science*, 45:129-139.

Head, G., R. E. Jackson, J. Adamczyk, J. R. Bradley, J. VanDuyn, J. Gore, D. D. Hardee, B. R. Leonard, R. **Luttrell**, J. Ruberson, J. W. Mullins, R. G. Orth, S. Sivasupramaniam, and R. Voth. 2010. Spatial and temporal variability in host use by *Helicoverpa zea* as measured by analyses of stable carbon isotope ratios and gossypol residues. *Journal of Applied Ecology*, 47:583-592.

Jones, A. K., P. **McLeod** and D. **Steinkraus**. 2010. Influence of cowpea planting date on tobacco thrips (Thysanoptera: Thripidae) abundance, within plant distribution, and foliar injury. *Journal of Agriculture and Urban Entomology*, 26:41-46.

Jones, A. K., P. **McLeod** and D. **Steinkraus**. 2010. Use of expanding foam for confining thrips in cages on cowpea flowers. *Journal of the Kansas Entomological Society*, 83:97-99.



Rom, C., M. E. **Garcia**, D. T. **Johnson**, J. **Popp**, H. Friedrich and J. McAfee. 2010. High tunnel production of organic blackberries and raspberries in Arkansas. *Acta Hort*, 873:269-276.

**Rom**, C., M. E. **Garcia**, J. McAfee, H. Friedrich, H. S. Choi, D. T. **Johnson**, J. **Popp** and M. **Savin**. 2010. The effects of groundcover management and nutrient source during organic orchard establishment. *Acta Hort*, 873:105-113.

Trout, R., C. D. **Steelman** and A. L. **Szalanski**. 2010. Phylogenetics and population genetics of the louse fly, *Lipoptena mazamae* from Arkansas, USA. *Medical and Veterinary Entomology*, 24:258-265.

Trout, R. T., C. D. **Steelman** and A. L. **Szalanski**. 2010. Population genetics and phylogeography of *Amblyomma americanum* L. (Acari: Ixodidae) collected from Arkansas. *Journal of Medical Entomology*, 47:152-161.

Trout, R. T., C. D. **Steelman**, A. L. **Szalanski** and K. Loftin. 2010. Establishment of *Amblyomma maculatum* (Gulf Coast Tick) in Arkansas, U.S.A. *Florida Entomologist*, 93:120-122.

Trout, R. T., C. D. **Steelman**, A. L. **Szalanski** and P. C. Williamson. 2010. Identification of *Rickettsia parkeri* and *Rickettsia amblyommii* in *Amblyomma maculatum* from Arkansas, USA. *Emerging Infectious Diseases*, 16:830-832.

Hannam, J., and D. **Steinkraus**. 2010. The natural occurrence of *Pandora heteropterae* (Zygomycetes: Entomophthorales) infecting *Lygus lineolaris* (Hemiptera: Miridae). *Journal of Invertebrate Pathology*, 103:96-102.

Pell, J. K., J. J. Hannam and D. C. **Steinkraus**. 2010. Conservation biological control using fungal entomopathogens. *BioControl*, 55:187-198. In Roy, H.E., F. E. Vega, M.S. Goettel, D. Chandler, J.K. Pell, and E. Wajnberg (Eds.), *The Ecology of Fungal Entomopathogens*, Special Issue/book of *BioControl*.

Scorsetti, A. C., A. Macia, D. C. **Steinkraus** and C. C. Lopez Lastra. 2010. Prevalence of *Pandora neoaphidis* (Zygomycetes: Entomophthorales) infecting *Nasonovia ribisnigri* (Hemiptera: Aphididae) on lettuce crops in Argentina. *Biological Control*, 52:46-50.

**Steinkraus**, D. C. 2010. Early spring flowers in northwest Arkansas: The excellent, the good, and the poor. *American Bee Journal*, 150:351-354.

Fierke, M. K., and F. M. **Stephen**. 2010. Dendroentomological evidence associated with an outbreak of a native wood-boring beetle *Enaphalodes rufulus*. *Canadian Journal of Forest Research*, 40:679-686.

Haavik, L. J., M. K. Fierke and F. M. **Stephen**. 2010. Factors affecting suitability of *Quercus rubra* as hosts for *Enaphalodes rufulus* (Coleoptera: Cerambycidae). *Environmental Entomologist*, 39:520-527.

Haavik, L. J., and F. M. **Stephen**. 2010. Historical dynamics of a native cerambycid, *Enaphalodes rufulus*, in relation to climate in the Ozark and Ouachita Mountains of Arkansas. *Ecological Entomology*, 35:673-683.

Haavik, L. J., and F. M. **Stephen**. 2010. Stand and individual tree characteristics associated with *Enaphalodes rufulus* (Haldeman) (Coleoptera: Cerambycidae) infestations within the Ozark and Ouachita National Forests. *Forest Ecology and Management*, 259:1938-1945.

Bae, C. H., R. T. Robbins and A. L. **Szalanski**. 2010. Secondary structure models of D2-D3 expansion segments of 28S rRNA for Hoplolaiminae species. *Journal of Nematology*, 42:218-229.

Magnus, R. M., and A. L. **Szalanski**. 2010. Genetic evidence of honey bees belonging to the Middle East lineage in the United States. *Sociobiology*, 55:285-296.

McKern, J. A., A. L. **Szalanski**, J. W. Austin and R. E. Gold. 2008. Genetic diversity of field populations of the cat flea, *Ctenocephalides felis* and the human flea, *Pulex irritans*, in the United States. *Journal of Agricultural and Urban Entomology* 26:259-263.

Solorzano, C., A. L. **Szalanski**, C. B. Owens and C. D. **Steelman**. 2010. Genetic diversity of *Aedes vexans* in New Orleans: Pre and post Katrina. *Biochemical Genetics*, 48:711-726.

**Szalanski**, A. L., J. A. McKern, C. Solorzano and J. W. Austin. 2010. Genetic diversity of ants (Hymenoptera: Formicidae) from the Ozark-St. Francis National Forest, Arkansas, USA. *Sociobiology*, 56:601-610.

**Szalanski**, A. L., and R. M. Magnus. 2010. Mitochondrial DNA characterization of Africanized honey bee (*Apis mellifera* L.) populations from the USA. *Journal of Apicultural Research*, 49:177-185.

Trout, R. T., C. R. Minter, G. R. Pallipparambil, R. M. Magnus and R. N. **Wiedenmann**. 2010. A perspective on education in research ethics for entomology graduate students. *American Entomologist*, 56:198-205.

### **Horticulture**

**Clark**, J.R. 2010. Eastern United States table grape breeding. *J. Amer. Pomol. Soc.* 64:72-77.

**Clark**, J.R and C.E. Finn. 2010. Register of new fruit and nut cultivars list 45. *HortScience* 45:716-756.

Johnson, D.T., C.R. **Rom**, J. McAfee, J. McKern, E.T. Stafne, and J.R. **Clark**. 2010. Differences in defoliation of fruit genotypes by adult Japanese beetle feeding. *J. Amer. Pomol. Soc.* 64:184-198.

Ruple, A., J.R. **Clark**, and M.E. **Garcia**. 2010. An evaluation of fertility in Arkansas primocane-fruiting blackberries. *HortScience* 45:1-6.

**Evans**, Michael R. 2011. Physical properties of and plant growth in peat-based root substrates containing glass-based aggregate, perlite and parboiled fresh rice hulls. *HortTechnology* 21(1):1-5.

**Garcia**, M.E., R. Moran, T.L. Bradshaw, L.P. Berkett, S.L. Kingsley-Richards, and M.L. Cromwell. 2010. Using “new” alternatives to enhance adoption of organic apple production. *Acta Hort.* 873: 277-283.

Vincent, C. I., M. Elena **Garcia**, Donn T. Johnson, and Curt R. **Rom**. 2010. Broad Mite on Primocane-fruiting Blackberry in Organic Production in Arkansas. *HortTech*. 20:718-723.

Young, J.R., D.E. **Karcher**, and M.D. **Richardson**. 2010. Microdochium nivale isolated from colonial bentgrass cultivars following harsh winter in Northwest Arkansas. Online. *Applied Turfgrass Science* doi:10.1094/ATS-2010-1013-01-BR.

Arnold, M., E. Bush, R. Cabrera, G. Denny, J. Griffin, J. Iles, A. King, G. Knox, G. **McDonald**, C. McKenney, T. Montague, G. Niu, A. Owings, and D. Struve. 2010. Testing tolerances of Taxodium. *Landscape Plant News* 20(3):10-11.

Kaur, N., and **Murphy**, J.B. 2010. Cloning, characterization, and functional analysis of cowpea isoflavone synthase (*IFS*) homologs. *Plant Mol. Biol. Biotechnol.* 1-1: 6-13.

**Richardson**, M.D., D.E. **Karcher**, A.J. Patton, and J.H. McCalla. 2010. Measurement of golf ball lie in various turfgrasses using digital image analysis. *Crop Sci.* 50:730-736.

**Richardson**, M.D. and K.W. Hignight. 2010. Seedling emergence of tall fescue and kentucky

bluegrass, as affected by two seed coating techniques. *HortTechnology* 20: 415-417

Patton, A.J., J.M. Trappe, and M.D. **Richardson**. 2010. Cover technology influences warm-season grass establishment from seed. *HortTechnology* 20:153-159.

Wright, A.N., J.A. **Robbins**, M. Gu. 2010. Course Content and Attitudes Toward Instructional Multimedia Use in Nursery Management and Production Courses in the United States. *HortTechnology* 20(3): 1-6.

**Rom**, C. R. M. E. **Garcia**, D. T. Johnson, J. Popp, H. Friedrich, and J. McFee. High tunnel production of organic blackberries and raspberries in Arkansas. 2010. *Acta Hort.* 873: 269-276.

**Rom**, C. R., M. E. **Garcia**, J. McAfee, H. Friedrich, H. S. Choi, D. T. Johnson, J. Popp, and M. Savin. The effect of groundcover management and nutrient source during organic orchard establishment. 2010. *Acta Hort.* 873: 105-114.

**Rom**, C. R., D.T. Johnson, J. McAfee, J. McKern, E. Stafne, J. R. **Clark**. 2010 Differences in Defoliation of Fruit Genotypes by Adult Japanese Beetle Feeding. *Jrnl. Amer. Pom.Soc.* 64: 184-198

Johnson, D., B. Lewis, C. **Rom**, H. Friedrich, R. Bryant, and M. Pszczolkowski. 2010. Organic fruit production needs and pest management practices in the Southeastern United States. *Acta Hort.* 873: 37-44.

### **Human Environmental Sciences**

Ballagas, R., Raffle, H., Go, J., **Revelle**, G., Kaye, J., Ames, M., Horii, H., Mori, K., & Spasojevic, M. (2010). Story time for the 21st century. *IEEE Pervasive Computing*, 9(2), 28-36.

Chang, L., **Way**, K. (2010). Individual employment characteristics of hotel employees that play a role in employee satisfaction and work retention. *The International Journal of Hospitality Management*, Vol. 29 (3), p. 344-353.

**Harrington, R.J., Ogbeide, G.A., & Ottenbacher, M.C.** (2010). Maximizing hospitality learning outcomes: an integrated experiential in-class approach. *FIU Review*, 28(1) 108-130.

**Harrington, R.J. & Ottenbacher, M.C.** (2010). Culinary tourism – a case study of the gastronomic capital. *Journal of Culinary Science & Technology*, 8(1), 14-32.

Moon, Z.K. & **Farmer, F.L** (2010). Human induced switches on public lands boundaries: the emergence of ecological islands? *Society and Natural Resources*, Vol. 23. No. 7: 636-652.

Ottenbacher, M. & **Harrington, R.J.** (2010). A study of innovative versus incremental new service developments: Different strategies for achieving success. *Journal of Services Marketing*. 24(1), 3-15.

Young, M., Penhollow, T.M., & **Bailey, W.C.** (2010). Hooking-up and condom provision: Is there a double standard?. *American Journal of Health Studies*, 25(3), 156-164.

### **Plant Pathology**

Ma, L-J., Charlotte van der Does, H., Borkovich, K.A., Coleman, J.J., Daboussi, M-J., Pietro, A.D., Dufresne, M., Freitag, M., Grabherr, M., Henrissat, B., Houterman, P.M., Kang, S., Shim, W-B., Woloshuk, C., Xie, X., Xu, J-R., Antoniow, J., Baker, S.E., **Bluhm, B.H.**, Breakspear, A., Brown, D.W., Butchko, R.A.E., Chapman, S., Coulson, R., Coutinho, P.M., Danchin, E.G.J., Diener, A., Gale, L.R., Gardiner, D.M., Goff, S., Hammond-Kosack, K.E., Hilburn, K., Hua-Van, A., Jonkers, W., Karzan, K., Kodira, C.D., Koehrsen, M., Kumar, L., Lee, Y-H., Li, L., Manners, J.M., Miranda-Saavedra, D., Mukherjee, M., Park, G., Park, J., Park, S-Y., Proctor, R.H., Regev, A., Ruiz-Roldan, M.C., Sain, D., Sakthikumar, S., Sykes, S., Schwartz, D.C., Turgeon, B.G.,

Wapinski, I., Yoder, O., Young, S., Zeng, Q., Zhou, S., Galagan, J., Cuomo, C.A., Kistler, H.C., Rep, M. 2010. Comparative genomics reveals mobile pathogenicity chromosomes in *Fusarium*. *Nature* 464:367-373.

**Bluhm BH**, Burnham AM, Dunkle LD. 2010. A circadian rhythm regulating hyphal melanization in *Cercospora kikuchii*. *Mycologia* 102:1221-1228.

Hirsch RL, TeBeest DO, **Bluhm BH**, West CP. 2010. First Report of Rust Caused by *Puccinia emaculata* on Switchgrass in Arkansas. *Plant Disease* 94:381.

Correll JC, **Bluhm BH**, Feng C, Lamour K, du Toit LG, Koike ST. 2010. Spinach: Better management of downy mildew and white rust through genomics. *European Journal of Plant Pathology* (*in press*; DOI: 10.1007/s10658-010-9713-y).

Goodwin SB, Ben M'Barek S, Dhillon B, Wittenberg AHJ, Crane CF, Van der Lee TAJ, Grimwood J, Aerts A, Antoniw J, Bailey A, **Bluhm B**, Bowler J, Bristow J, Canto-Canche B, Churchill A, Conde-Ferraz L, Cools H, Coutinho PM, Csukai M, Dehal P, De Wit P, Donzelli B, Foster AJ, Hammond-KOsack K, Hane J, Henrissat B, Kilian A, Koopmann E, Kourmpetis Y, Kuzniar A, Lindquist E, Lombard V, Maliepaard C, Martins N, Mehrabi R, Oliver R, Ponomarenko A, Rudd J, Salamov A, Schmutz J, Schouten JH, Shapiro H, Stergiopoulos I, Torriani SFF, Tu H, de Vries RP, Wiebenga A, Zwiers LH, Grigoriev IV, Kema GHJ. Finished Genome of *Mycosphaerella graminicola* Reveals Stealth Pathogenesis and Extreme Plasticity. *PLOS Genetics* (*in press*).

Kim H, Ridenour JB, Dunkle LD, and **Bluhm BH**. Regulation of Stomatal Tropism and Infection by Light in *Cercospora zae-maydis*: Evidence for Coordinated Host/Pathogen Responses to Photoperiod? *PLOS Pathogens* (*in press*).

Kim H, Ridenour JB, Dunkle LD, and **Bluhm BH**. Regulation of pathogenesis by light in *Cercospora zae-maydis*: an updated perspective. *Plant Pathology Journal* (*in press*).

Hirsch RL, Ridenour JB, and **Bluhm BH**. *UBL1* of *Fusarium verticillioides* encodes a putative E3 ubiquitin ligase involved in growth, conidiation, virulence, amylolysis and secondary metabolism. *Molecular Microbiology* (*in press*).

Smith JE, Lay JO, and **Bluhm BH**. Metabolic fingerprinting reveals a new genetic linkage between ambient pH and metabolites associated with desiccation tolerance in *Fusarium verticillioides*. *Metabolomics* (*in press*).

Dai, Y., Jia, Y., **Correll, J. C.**, Wang, X., and Wang, Y. 2010. Diversification and evolution of the avirulence gene AVR-Pita in field isolates of *Magnaporthe oryzae*. *Fungal Genetics and Biology* 47:973-980.

Oard, J. H., Moldenhauer, K., Fjellstrom, B., Nelson, J. C., Scheffler, B., Linscombe, S. **Correll, J. C.**, Silva, J., and May, G. D. 2010. Registration of the MY2 Cypress/LaGrue rice recombinant inbred line mapping population. *Journal of Plant registrations* 4:1-5. Doi: 10.3198/jpr2009.11.0668crmp

Wrather, J.A., G. Stevens, E.D. Vories, **T.L. Kirkpatrick**, J.D. Mueller, and A. Mauromoustakos. 2010. The use of root galls to determine high-risk zones in cotton fields infested by *Meloidogyne incognita*. *Crop Science* 50:2575-2579.

Venu, R.C., M.S. Madhav, M.V. Sreerekha, K. Nobuta, Y.Zhang, P.Carswell, Michael J. Boehm, Blake C. Meyers, **Korth, K.L., & G.-L. Wang** (2010) Deep and comparative transcriptome analysis of rice plants infested by beet armyworm (*Spodoptera exigua*) and water weevil (*Lissorhoptrus oryzophilus*) insects. *Rice*, 3:22-35

Gale, L. R., Harrison, S. A, Ward, T. J., O'Donnell, K., **Milus, E. A.**, Gale, S. W., and Kistler, H. C. 2011. Nivalenol-type populations of *Fusarium graminearum* and *F. asiaticum* are prevalent on wheat in southern Louisiana. *Phytopathology* 101:124-134.

Horevaji, P., Gale, L. R., and **Milus, E. A.** 2011. Resistance in winter wheat lines to initial infection and spread within spikes by deoxynivalenol and nivalenol chemotypes of *Fusarium graminearum*. Plant Dis. 95:31-37.

Horevaji, P., **Milus, E.A.**, and Bluhm, B. 2011. A real-time qPCR assay to quantify *Fusarium graminearum* biomass in wheat kernels. Journal of Applied Microbiology (in press)

Ye, Weimin and **R.T Robbins**. 2010. Morphology and Taxonomy of *Xiphinema* (Nematoda: Longidoridae) Occurring in Arkansas, USA. Acta Agriculturae Universitatis Jianxiensis 32:928-945.

Pedram M., G. Niknam, M. T. Vinciguerra, W. Ye and **R. T. Robbins**. 2010. Morphological and molecular characterisation of *Paractinolaimus sahandi* n. sp. (Nematoda: Actinolaimidae) from Sahand Mountains in Iran. Journal of Helminthology doi:10.1017/ S0022149X10000556 First view article

Pedram, M., G. Niknam, **R. T. Robbins**, W. Decraemer, W. Ye and Y. Qing . 2010. First record of *Trichodorus primitivus* (de Man, 1880) Micoletzky, 1922 and morphological and molecular identification of *Longidorus elongatus* (de Man, 1876) Micoletzky, 1922 from Canada. Plant Disease (Disease notes) 94:782

Pourjam, E., M. Pedram, M. T. Vinciguerra, and **R. T. Robbins**. 2010. *Enchodelus decraemerae* n. sp and *Enchodorus dolichurus* Vinciguerra, 1976 (Dorylaimida: Nordiidae), two rare species from Iran. Russian Journal of Nematology 18:191-197.

Niknam, G., M. Pedram, E. G. Nejad, W. Ye, **R. T. Robbins** and Z.T. Maafi . 2010. Morphological and molecular characterization of *Longidorus tabrizicus* n. sp. and *L. sturhani* Rubtsova, Subbotin, Brown and Moens, 2001 (Nematoda: Longidoridae) from north-western Iran. Russian Journal of Nematology 18:127-140.

Avanzato, M. V., and **C. S. Rothrock**. 2010. Use of selective media and baiting to detect and quantify the soilborne plant pathogen *Thielaviopsis basicola* on Pansy. Laboratory Exercises APSnet Education Center, Introductory Laboratory Exercise.

Monfort, W. S., A. G. Carroll, M. J. Emerson, J. Fortner, and **C. S. Rothrock**. 2010. First Report of Black Root Rot Caused by *Thielaviopsis basicola* on Soybean (*Glycine max*) in Arkansas. Plant Dis. 94:1168. DOI: 10.1094/PDIS-94-9-1168A.

Chen, P., T. Ishibashi, C.H. Sneller, **J.C. Rupe**, D.G. Dombek, R.T. Robbins, and R.D. Riggs. 2010. Registration of 'UA 4910' Soybean. J. Plant Registrations (In press).

Chen, P., T. Ishibashi, C.H. Sneller, **J.C. Rupe**, D.G. Dombek, and R.T. Robbins Registration of R99-1613F, R01-2731F, and R01-3474F Soybean Germplasm Lines with Diverse Pedigrees. J. Plant Registrations (In press).

Chen, P., T. Ishibashi, D.G. Dombek, and **J.C. Rupe**. 2010. Registration of R05-1415 and R05-1772 High Protein Soybean Germplasm Lines. J. Plant Registrations (In press).

Li, S., A. Wrather, **J. Rupe**, and P. Chen. 2010. Reaction of maturity group III soybean plant introductions to *Phomopsis* seed decay in Arkansas, Mississippi, and Missouri, 2009. Plant Disease Management Reports 4: ST036, 2010.

Li, S., **J. Rupe**, P. Chen, and A. Wrather. 2010. Reaction of maturity group IV soybean plant introductions to *Phomopsis* seed decay in Arkansas, Mississippi, and Missouri, 2009. Plant Disease Management Reports 4: ST035, 2010.

Li, S., P. Chen, **J. Rupe**, and A. Wrather. Reaction of maturity group V soybean plant introductions to *Phomopsis* seed decay in Arkansas, Mississippi, and Missouri, 2009. *Plant Disease Management Reports* 4: ST034. 2010.

Hirsch, R.L., **D.O. TeBeest** and B.H. Bluhm. 2010. First report of rust caused by *Puccinia emaculata* on switchgrass in Arkansas. *Plant Disease* 94:381.

Moore, J.L., M. Ditmore and **D.O. TeBeest**. 2010. Development of anthracnose on grain sorghum inoculated with recently described pathotypes of *Colletotrichum sublineolum* in Arkansas. *Plant Disease* 94:589-595.

Martin, R.R., J. Zhou, and **I.E. Tzanetakis**. 2010. Blueberry latent virus: An amalgam of the *Partitiviridae* and the *Totiviridae*. *Virus Research* 155: 175-180.

Kraus, J., S. Cleveland, M.L. Putnam, K.E. Keller, R.R. Martin, and **I.E. Tzanetakis**. 2010. A new potyvirus infects verbena exhibiting leaf mottling symptoms. *Plant Disease* 94:1132-1136.

Poudel, B., A.G. Laney, and **I.E. Tzanetakis**. 2010. First report of *Cucumber mosaic virus* infecting *Blephilia hirsuta* in North America. *Plant Disease* 94:1070.

**Tzanetakis, I.E.**, R.R. Martin, and S.W. Scott. 2010. Genomic sequences of blackberry chlorotic ringspot virus and strawberry necrotic shock virus and the phylogeny of viruses in subgroup 1 of the genus *Ilarvirus*. *Archives of Virology* 155:557-561.

**Tzanetakis, I.E.**, J.D. Postman, A. Samad, and R.R. Martin. 2010. Mint Viruses: Beauty, Stealth and Disease. *Plant Disease* 94:4-12.

**Tzanetakis, I.E.** 2010. Emerging strawberry virus and virus-like diseases in the world. *Julius-Kühn-Archiv* 427:41-43.

**Tzanetakis, I.E.**, A.G. Laney, K.E. Keller, and R.R. Martin. 2010. New viruses found in fig exhibiting mosaic symptoms. *Julius-Kühn-Archiv* 427:79-82.

### **Poultry Science**

Paxton, H., **N. B. Anthony**, S. A. Corr and J.R. Hutchinson, 2010. The effects of selective breeding on the architectural properties of the pelvic limb in broiler chickens: a comparative study across modern and ancestral population. *J. Anat.* 217: 153-166.

Aggrey, S. E., A. B. Kamush, B. Sebastian and **N. B. Anthony**, 2010. Genetic properties of feed efficiency parameters in meat-type chickens. *Genet. Sel. Evol.* 42: 25.

Velleman, S. G., K. E. Nestor, C. S. Coy, I. Harford, and **N. B. Anthony**, 2010. Effect of posthatch feed restriction on broiler breast muscle development and muscle transcriptional regulatory factor gene and heparin sulfate proteoglycan expression. *Int. J. Poult. Sci.*, 9: 417-425.

Tinsley, N., M. Iqbal, N.R. Pumford, K. Lassiter, C. Ojano-Dirain, T. Wing, and **W. Bottje**. 2010. Investigation of mitochondrial protein expression and oxidation in heart muscle in low and high feed efficient male broilers in a single genetic line. *Poultry Sci.* 89:349-352.

Lee, J. Y., J. J. Song, A. Wooming, X. Li, H. Zhou, **W. G. Bottje**, and B. Kong. 2010. Transcriptional profiling of host gene expression in chicken embryo lung cells infected with laryngotracheitis virus. *BMC Genomics* 11:445.

**Bottje, W.**, A. Wolfenden, L. Ding, R. Wolfenden, M. Morgan, N. Pumford, K. Lassiter, G. Duncan, T. Smith, T. Slagle, and B. Hargis. 2010. Improved hatchability and post-hatch performance in turkey poults receiving a dextrin-iodinated casein solution in ovo. *Poult. Sci.* 89:2646-2650.

Bakst, M. R., A. M. Donoghue, D. E. Yoho, J. R. Moyle, S. M. Whipple, M. J. Camp, G. Q. Liu And **R. K. Bramwell**, 2010. Comparisons of sperm storage tubule distribution and number in four strains of mature broiler breeders and in turkey hens before and after the onset of photostimulation. *Poultry Science* 89:986–992.

Moyle, J. R., D. E. Yoho, R. S. Harper, and **R. K. Bramwell**, 2010. Mating behavior in commercial broiler breeders: Female affects. *Journal of Applied Poultry Research* 2010 19: 24-29.

**Chapman, H. D.**, Jeffers, T. K. and R. B. Williams. 2010. Forty years of monensin for the control of coccidiosis. *Poultry Science* 38:1788-1801.

Miska, K. B., Schwarz, R. S., Jenkins, M. C. Rathinam, T. and **H. D. Chapman**. 2010. Molecular characterization and phylogenetic analysis of *Eimeria* from turkeys and gamebirds: implications for evolutionary relationships in galliform birds. *Journal of Parasitology* 96:982-986.

Ekmay, R. and **C.N. Coon**. 2010. The effect of limestone particle size on the performance of three broiler breeder purelines. *Int. J. Poult. Sci.* 9 (11):1038-1042.

Ekmay, R. and **C.N. Coon**. 2010. An examination of the P requirements of broiler breeders for performance, progeny quality, and P balance 1. Non-phytate phosphorus. *Int. J. Poult. Sci.* 9 (11):1043-1049.

Ekmay, R.D., M. de Beer, R.W. Rosebrough, M.P. Richards, J.P. McMurtry, and **C.N. Coon**. 2010. The role of feeding regimens in regulating metabolism of sexually mature broiler breeders. *Poult. Sci.* 89:1171-1181.

Richards, M.P., R.W. Rosebrough, **C.N. Coon** and J.P. McMurtry. 2010. Feed intake regulation for the female broiler breeder: In theory and in practice. *J. Appl. Poult. Res.* 19:182-193.

Kollanoor Johny, A., Darre, M J., Donoghue, A.M., **Donoghue, D.J.** and Venkitanarayanan, K. 2010. Antibacterial activity of *trans*-cinnamaldehyde, eugenol, carvacrol, and thymol on *Salmonella* Enteritidis and *Campylobacter jejuni* in chicken cecal contents *in vitro*. *J. Appl. Poult. Res.* 19:237-244.

Medrano, G., M. Dolan, N. Stephens, A. McMickle, **G. F. Erf**, D. Radin and C. Cramer. 2010. Efficient plant-based production of chicken IL-12 yields a strong immunostimulatory cytokine. *J. Interferon & Cytokine Res.* 30:143-54.

**Kuenzel, W.J.**, and A. Jurkevich. 2010. Molecular neuroendocrine events during stress in poultry. *Poultry Sci.* 89:832-840.

Xie, J., **Kuenzel, W.J.**, N.B. Anthony and A. Jurkevich. 2010. Subpallial and hypothalamic areas activated following sexual and agonistic encounters in male chickens. *Physiol. Behav.* 101:344-359.

Leona N. Calhoun, and **Y. M. Kwon**. 2010. Proteomic analysis of *Salmonella enterica* serovar Enteritidis following propionate adaptation. *BMC Microbiolgy* 10, 249

Wolfenden R. E., S. L. Layton, A. D. Wolfenden, A. Khatiwara, G. Gaona-Ramírez, N. R. Pumford, K. Cole, **Y. M. Kwon**, G. Tellez, L. R. Bergman, and B. M. Hargis. 2010. Development and evaluation of candidate recombinant *Salmonella*-vectored *Salmonella* vaccines. *Poultry Science*, 89, 2370-9

Leona N. Calhoun, and **Y. M. Kwon**. 2010. The effect of long term propionate adaptation on the stress resistance of *Salmonella* Enteritidis. *J. Appl. Microbiol.* 109, 1294-1300.

Martin, E.M., C.A. O'Bryan, R.Y. Lary Jr., C.L. Griffis, K.L.S. Vaughn, **J.A. Marcy**, P.G. Crandall and S.C. Ricke. 2010. Spray application of liquid smoke to reduce or eliminate *Listeria monocytogenes* surface inoculated on frankfurters. *Meat Science*, 85: 640-644.

Solis de los Santos, F., M. Hume, K. Venkitanarayanan, A. M. Donoghue, I. Hanning, **M. F. Slavik**, V. F. Aguiar, J. H. Metcalf, I. Reyes-Herrera, P. J. Blore, and D. J. Donoghue. 2010. Caprylic acid reduces enteric *Campylobacter* colonization in market aged broiler chickens but does not appear to alter cecal microbial population. *J. Food Protection* 73(2):251-257.

Wang, Y., R. Wang, Y. Li, B. Srinivasan, S. Tung, H. Wang, **M. F. Slavik** and C. L. Griffis. 2010. Detection of *Escherichia coli* 0157:H7 using interdigitated array microelectrode based label-free immunosensor. *Biological Engineering* 2(2):49-62.

Min, Y., F. Yan, F.Z. Liu, C. Coto, and **P.W. Waldroup**. 2010. Glycerin—A new energy source for poultry. *Int. J. Poult. Sci.* 9:1-4.

Abdel-Maksoud, A., F. Yan, S. Cerrate, C. Coto, Z. Wang, and **P.W. Waldroup**. 2010. Effect of arginine level and source and level of methionine on performance of broilers 0 to 18 d of age. *Int. J. Poult. Sci.* 9:14-20.

Abdel-Maksoud, A., F. Yan, S. Cerrate, C. Coto, Z. Wang, and **P.W. Waldroup**. 2010. Effect of dietary crude protein, lysine level and amino acid balance on performance of broilers 0 to 18 d of age. *Int. J. Poult. Sci.* 9:21-27.

Karimi, A., F. Yan, C. Coto, J.H. Park, Y. Min., C. Lu, J.A. Gidden, J.O. Lay, Jr., and **P.W. Waldroup**. 2010. Effects of level and source of oregano leaf in starter diets for broiler chicks. *J. Appl. Poult. Res.* 19:137-145.

Cerrate, S., and **P.W. Waldroup**. 2010. Maximum profit feed formulation. 3. Interaction between energy content and temperature. *Int. J. Poult. Sci.* 9:634-640.

Cerrate, S., and **P.W. Waldroup**. 2010. Maximum profit feed formulation. 4. Interaction between energy content and feed form. *Int. J. Poult. Sci.* 9:641-647.

Coto, C., S. Cerrate, Z. Wang, F. Yan, Y. Min, F. P. Costa, and **P. W. Waldroup**. 2010. Effect of source and level of Vitamin D on the performance of breeder hens and the carryover to the progeny. *Int. J. Poult. Sci.* 9:623-633.

Coto, C., S. Cerrate, Z. Wang, F. Yan, and **P. W. Waldroup**. 2010. Effect of source and level of maternal Vitamin D on carryover to newly hatched chicks. *Int. J. Poult. Sci.* 9:613-622.

Yan, F. C. Coto, Z. Wang, S. Cerrate, **S.E. Watkins**, and P.W. Waldroup. 2010. Comparison of nutrient recommendations for broilers. *Int. J. of Poult. Sci.* 9 (11) 1006-1014.

Hamal, K. R., **R. F. Wideman**, N. B. Anthony, and G. F. Erf. 2010. Differential gene expression of pro-inflammatory chemokines and cytokines in lungs of ascites-resistant and -susceptible broiler chickens following intravenous cellulose microparticle injection. *Vet. Immunol. Immunopathol.* 133:250-255.

Hamal, K., **R. F. Wideman**, N. B. Anthony, and G. F. Erf. 2010. Differential expression of vasoactive mediators in the microparticle challenged lungs of chickens that differ in susceptibility to pulmonary arterial hypertension. *Am. J. Physiol. Regul. Comp. Physiol.* 298:R235-R242.

**Wideman, R. F.**, M. L. Eanes, K. R. Hamal, and N. B. Anthony. 2010. Pulmonary vascular pressure profiles in broilers selected for susceptibility to pulmonary hypertension syndrome: Age and gender comparisons. *Poult Sci.* 89:1815-1824.



## Conference proceedings, books or book chapters authored

### Agricultural Economic and Agribusiness

Drichoutis, A, **R. M. Nayga, Jr.**, and P. Lazaridis. 2010. "Nutritional Label Users' Ability to Perform Nutrition Tasks as a Dietary Consumption Constraint." *Research Topics in Agricultural and Applied Economics* (ed. A.N. Rezitis), pp. 103-113. (book chapter)

Samarendu Mohanty, **Eric Wailes**, and **Eddie Chavez**. 2010. "The Global Rice Supply and Demand Outlook: The Need for Greater Productivity Growth to Keep Rice Affordable." *Rice in the Global Economy: Strategic Research and Policy Issues for Food Security* (eds. Sushil Pandey, Derek Byerlee, David Dawe, Achim Dobermann, Samarendu Mohanty, Scott Rozelle, and Bill Hardy), pp. 175-187. (book section)

### Agricultural and Extension Education

Wardlow, G.W. and Osborne, E.W. (2010). Philosophical underpinnings in agricultural education. Chapter in published book, Preparing and Advancing Teachers in Agricultural Education, Torres, Kitchel and Ball (Eds.). Columbus, OH: Ohio State University.

### Agricultural Statistics Laboratory

**Krementz**, D.G., and E.E. Gbur. (2010). American woodcock wingbee reliability. Proceedings of the Tenth American Woodcock Symposium. ed. C.A. Stewart and V.R. Frawley. Michigan Department of Natural Resources and Environment, Lansing, MI.

### Animal Science

**Apple, J. K.** Nutritional effects on pork quality. Pages 288-300 in: National Swine Nutrition Guide (D. J. Meisinger, Ed.), U. S. Pork Center of Excellence, Ames, IA.

Owens, C. M., and **J. K. Apple**. Pale, soft and exudative poultry meat. Pages 515-531 in: Handbook of Poultry Science and Technology: Volume I: Primary Processing (I. Guerrero-Legarreta and Y. H. Hui, Ed.), John Wiley & Sons, Hoboken, NJ.

Yancey, J. W. S., **J. K. Apple**, J. –F. Meullenet, and J. T. Sawyer. 2010. Consumer responses of tenderness and overall impression can be predicted by visible and near-infrared spectroscopy, Meullenet-Owens razor shear, and Warner-Bratzler shear force. *Meat Sci.* 85:487-492.

Yancey, J. W. S., M. D. Wharton, and **J. K. Apple**. 2010. Cookery method and end-point temperature can affect the Warner-Bratzler shear force, cooking loss, and internal color of beef *Longissimus* steaks. *Meat Sci.* doi: 10.1016/j.meatsci.2010.11.020.

**Brown, A.H., Jr.**, S.T. Reiter, M.A. Brown, Z.B. Johnson, I.A. Nabhan, M.A. Lamb, A.R. Starnes, and C.F. Rosenkrans, Jr. 2010. Effects of heat shock protein-70 gene and forage system on milk yield and composition of beef cattle. *Prof. Anim. Sci.* 26:398:403.

Thrift, F. A., J. O. Sanders, M. A. Brown, **A. H. Brown, Jr.**, A. D. Herring, D. G. Riley, S. M. DeRouen, J. W. Holloway, W. E. Wyatt, R. C. Vann, C. C. Chase, Jr., D. E. Franke, L. V. Cundiff, and J. F. Baker. 2010. Review: Prewaning, Postweaning and Carcass Trait Comparisons for Progeny Sired by Subtropical Adapted Sire Breeds at Various U. S. Locations. *Prof. Anim. Sci.* 26:451-473.

Caldwell, James D., **Kenneth P. Coffey**, Wayne K. Coblenz, John A. Jennings, Donald S. Hubbell III, David L. Kreider, Michael L. Looper, Douglas L. Galloway, Elizabeth B. Kegley, and Charles F. Rosenkrans Jr. 2011. Weaning and post-weaning performance by fall-born beef calves weaned

on different dates in the spring from *Neotyphodium coenophialum*-infected tall fescue pastures. *Livestock Science* 135:44-52. doi:10.1016/j.livsci.2010.06.004.

Francis, P. B., T. G. Montgomery, W. A. Whitworth, **K. P. Coffey**, and P. A. Beck. 2010. Annual ryegrass response to increased seeding rate and nitrogen fertilization. Online. *Forage and Grazinglands* doi:10.1094/FG-2010-0604-01-RS.

Looper, M.L., S.G. Black, S.T. Reiter, R. Okimoto, **Z.B. Johnson**, M.A. Brown, and C.F. Rosenkrans, Jr. 2010. Identification of polymorphisms in the enhancer region of the bovine prolactin gene and association with profitability traits of beef cattle. *Prof. Anim. Sci.* 26:103–108.

Quilo, S. A., **F. W. Pohlman**, P. N. Dias-Morse, A. H. Brown, Jr., P. G. Crandall, R. P. Story. 2010. Microbial, instrumental color and sensory characteristics of inoculated ground beef produced using potassium lactate, sodium metasilicate or peroxyacetic acid as multiple antimicrobial interventions. *Meat Sci.* 84:470-476.

**Rosenkrans, C., Jr.**, A. Banks, S. Reiter, M. Looper. 2010. Calving rates of Brahman-influenced cows are associated with heat shock protein 70 genetic polymorphisms. *Anim. Repro. Sci.* 119:178-182.

Looper, M.L., S.T. Reiter, B.C. Williamson, M.A. Sales, D.M. Hallford, and **C.F. Rosenkrans, Jr.** 2010. Effects of body condition on measures of intramuscular and rump fat, endocrine factors, and calving rate of beef cows grazing common bermudagrass or endophyte-infected tall fescue. *J. Anim. Sci.* 88:4133-4141.

### **Biological and Agricultural Engineering**

**Osborn, G. S.**, G. Richardson, M. Matlock, A. McCain. 2010. “Oxygenation of Lake Hypolimnion without Thermocline Disruption using New SDOX System.” North American Lake Management Society. 2010 Annual Meeting. Oklahoma City, OK

### **Crop, Soil and Environmental Sciences**

Griffith, G.M., **J.K. Norsworthy**, and T. Griffin. 2010. Cotton Yield Reductions Associated with Spatial Movement of Glyphosate-Resistant Palmer amaranth. *AR Crop Prot. Assoc.* 14:11.

Johnson, D.B., **J.K. Norsworthy**, G.M. Griffith, and M.J. Wilson. 2010. Residual Programs for Control of Glyphosate-Resistant Palmer amaranth in Widestrike Cotton. *AR Crop Prot. Assoc.* 14:14.

**Norsworthy, J.K.**, J. Still, G.M. Griffith, J.D. DeVore, and K.L. Smith. 2010. Influence of Rainfall on Activation of Residual Cotton Herbicides for Controlling Palmer Amaranth. Beltwide Cotton Conf., New Orleans, LA.

Starkey, C., **J.K. Norsworthy**, D.B. Johnson, and P. Devkota. 2010. Comparison of Residual Herbicides for Controlling *Palmer amaranth*. *AR Crop Prot. Assoc.* 14:7.

Wilson, M.J., **J.K. Norsworthy**, D.B. Johnson, G. Griffith, J. DeVore, and C. Starkey. 2010. Herbicide Programs for Controlling ALS-Resistant Barnyardgrass in Clearfield Rice. *AR Crop Prot. Assoc.* 14:13.

Wilson, M.J., **J.K. Norsworthy**, G.M. Griffith, J.D. DeVore, J.A. Still, and S.K. Bangarwa. 2010. Can Command use Rates in Rice be Increased? *RTWG* 33:146.

## **Books**

**James McD. Stewart**, D.M. Oosterhuis., J.J. Heitholt, and J.R. Mauney (ed). 2010. *Physiology of*

Cotton. Springer, Dordrith Netherlands. 563 pages.

**Norman, R.J.** and K.A.K. Moldenhauer (eds). 2010. B.R. Wells Rice Res. Stud. - 2009. UofA. Ag. Exp. Stn. Res. Ser., 571. 328 pages.

**Oosterhuis, D.M.** (Ed.) 2010. Summ. of AR Cotton Res.. UofA Ag. Exp. Stn. Res. Ser. 582. 223 pages.

## Book Chapters

Constable, G.C. and **D.M. Oosterhuis**, 2010. Temporal Dynamics of Cotton Leaves and Canopies. *In* J.M. Stewart, D.M. Oosterhuis, J.J. Heitholt and J.R. Mauney (ed). Physiology of Cotton. Springer, New York. p. 72-79.

Cothorn, J.S. and **Oosterhuis, D.M.** 2010. Plant Growth Regulators in Cotton. *In* J.M. Stewart, D.M. Oosterhuis J.J. Heitholt and J.R. Mauney (ed). Physiology of Cotton. Springer, New York. p. 289-303.

Crass, William A and **J. McD. Stewart**. 2010. Cycles and Rhythms in Cotton. Chapter 10. *In* James McD. Stewart., D.M. Oosterhuis., J.J. Heitholt, and J.R. Mauney (ed). Physiology of Cotton. Springer, Dordrith Netherlands. p. 106-110.

Haggard, B.E. and **J.T. Scott**. 2010. Chapter 3 Water Quality Standards: Designated Uses and Numeric Criteria Development, Editors: Y. Li and K.W. Migliaccio, Water Quality Concepts, Sampling, and Analyses, CRC Press Taylor and Francis Group, LLC. p. 21-40.

John, M.E and **J.McD. Stewart**. 2010. Genetic Engineering Applications in Crop Improvement. Chapter 35. *In* James McD. Stewart., D.M. Oosterhuis., J.J. Heitholt, and J.R. Mauney (ed). Physiology of Cotton. Springer, Dordrith Netherlands. p. 394-403.

McMichael, B.L. and **Oosterhuis, D.M.** 2010. Growth and Development of Cotton Root Systems. *In* J.M. Stewart, D.M. Oosterhuis, J.J. Heitholt and J.R. Mauney (ed). Physiology of Cotton. Springer, New York. p. 57-71.

Migliaccio, K.W., J. Castro, and **B.E. Haggard**. 2010. Chapter 13 Water Quality Statistical Analysis, Editors: Y. Li and K.W. Migliaccio, Water Quality Concepts, Sampling, and Analyses, CRC Press Taylor and Francis Group, LLC. p. 241-274.

Mozzoni, L.A. and **P. Chen**. 2010. *In vitro* Maintenance of Plant Viruses in Tissue Culture. *In* A. M. Wang (ed.) Principles and Practice of Advanced Methods in Plant Virology. Research Signpost Press, Kerala, India. p. 105-129.

**Oosterhuis, D.M.** and Weir, W. 2010. Foliar Fertilization of Cotton. *In* J.M. Stewart, D.M. Oosterhuis, J.J. Heitholt and J.R. Mauney (ed). Physiology of Cotton. Springer, New York. p. 272-288. 564 p., ISBN: 978-90-481-3194-5.

Reddy, K.N. and **J.K. Norsworthy**. 2010. Glyphosate-Resistant Crop Production Systems: Impact on Weed Species Shifts. *In* Glyphosate Resistance in Crops and

Weeds: History, Development, and Managment. V. Nandula (ed.) John Wiley & Sons. p. 165-184.

Scaboo, A.M., **P. Chen**, D.A. Sleper, and K.M. Clark. 2010. Classical Genetics and Conventional Breeding of Soybean. *In* K. D. Bilyeu, M. B. Ratnaparkhe, and C. Kole (ed.) Genomics of Oilseed and Pulse Crops: Soybean Genomis. CRC Press, Boca Raton, FL, USA. p.19-53.

**Stewart, James McD**. 2010. Germplasm Resources for Physiological Research and Development. Chapter 2. *In* James McD. Stewart., D.M. Oosterhuis., J.J. Heitholt, and J.R. Mauney (ed).

### **Entomology**

**Stephen**, F. M. 2010. Southern pine beetle competitors. Chapter 12 *in* The Southern Pine Beetle II. Coulson, R. N. and K. D. Klepzig *eds.* USDA Forest Service.

**Stephen**, F. M. 2010. Southern pine beetle population dynamics in trees. Chapter 4 *in* Coulson, R. N. and K. D. Klepzig *eds.* The Southern Pine Beetle II. USDA Forest Service.

### **Horticulture**

**Evans**, Michael, Donna Graham, Janet C. Cole, Edwin Miller, Richard Harkess, Walter Taylor, Jeff Kuehny and Elizabeth Garrison. 2010. The Alliance for Cooperative Course Exchange in the Plant Sciences. NACTA/SERD Conference Proceedings. Abst.#115.

**McDonald**, G.V. 2010. Landscape Sustainability. In: Professional Landscape Management. 3<sup>rd</sup> Edition. D.L. Hensley (ed). Stipes Publishing.

**Robbins**, J.A. and D. Hensley. 2010. Fertilizing the Landscape. In: Professional Landscape Management, Third Ed., Stipes Publishing, Urbana, IL pp. 203-229.

**Robbins**, J. and J. Lindstrom. 2010. University of Arkansas Plant Evaluation Program. Proc. Int'l Plant Prop. Soc. 59:4-5.

Gomez, C. and J. **Robbins**. 2010. Rooting of Three Ornamental Plants in Eight Propagation Substrates. Proc. Int'l Plant Prop. Soc. 59: 18-22

### **Plant Pathology**

**Bluhm BH**, Zhao X. 2010. Measuring protein kinase and sugar kinase activity in filamentous fungi. *In: Methods in Molecular Microbiology: Molecular and Cell Biology Methods for Fungi*. A. Sharon, Ed. Humana Press: Totowa, NJ, USA.

Smith JE, **Bluhm BH**. Fungal secondary metabolomics. *In: Methods in Molecular Microbiology: Fungal Genomics*.

**Milus, E. A.** 2010. Bacterial Streak and Basal Glume Rot chapters for the third edition of the Compendium of Wheat Diseases. APS Press.

**Tzanetakis, I.E.** 2010. Arkansas soybean virus report. NCERA-200 annual meeting.

**Tzanetakis I.E.** 2010. New viruses in blackberry and blueberry in Arkansas. WERA-20 annual meeting.

**Tzanetakis, I.E.** How many viruses make a disease? The Gordian knot of small fruit virology. *Phytopathology* 100:S112

**Tzanetakis, I. E.,** A. Cortez, J. Zhou, B. Poudel, R.C. Larsen, and W.M. Wintermantel. 2010. Epidemiology of two *Diodia virginiana* criniviruses. *Phytopathology* 100:S128

Sabanadzovic, S. and **I.E. Tzanetakis**. 2010. A new ilarvirus from subgroup 1 infects ligustrum. *Phytopathology* 100:S112

Poudel, B., W. M. Wintermantel, S. Sabanadzovic, and **I.E. Tzanetakis**. 2010. Epidemiological studies on *Blackberry yellow vein associated virus*. *Phytopathology* 100:S103

Laney, A., R. Gergerich, K. Keller, R.R. Martin, and **I.E. Tzanetakis**. 2010. Rose rosette and Redbud yellow ringspot agents are caused by two new emaraviruses. *Phytopathology* 100:S67

Laney, A., R. Gergerich, and **I.E. Tzanetakis**. 2010. Redbud yellow ringspot disease: Thirty years of research. *Phytopathology* 100:S201

Kanrar, S., M. Afunian, G. Greer, **I.E. Tzanetakis** and G. Vidalakis. 2010. Molecular characterization of viruses associated with yellow vein and vein enation disease of citrus. 18<sup>th</sup> IOCV meeting.

### **Poultry Science**

**Bramwell, R. Keith.**, and Ann M. Donoghue, 2010. Predicting Fertility IV. Determination of Holes Made by Sperm in the Perivitelline Layer of Laid Eggs: The Sperm Penetration Assay. In *Techniques for Semen Evaluation, Semen Storage, and Fertility Determination*, 2<sup>nd</sup> Edition.

Donoghue, A.M. and **Donoghue, D.J.** 2010. Probiotics as Natural Solutions to Enteric Pathogens with Organic Production Implications in Poultry. In: *World Nutrition Forum: the future of animal nutrition*. Editor E. M. Binder Nottingham University Press, England. pgs. 211-215.

Reyes Herrera, I., Donoghue, A.M. and **Donoghue, D.J.** 2010. The ecology and pre-harvest control of *Campylobacter* in poultry. In: *Food Safety Considerations in Poultry*. S. Ricke and M. Johnson, editors. University of Arkansas Press, pgs. 11-26.

**Erf, G. F.** 2010 Animal models. Pages 205-218 in: Vitoligo, Picardo, M and Taieb, A, editors. Springer-Verlag GmbH, Berlin Heidelberg, Germany.

**Hargis, Billy**, 2010 Ascites Syndrome. In: *The Merck Veterinary Manual*, 10<sup>th</sup> edition.

**Hargis, Billy**, 2010 Round Heart Disease. In: *The Merck Veterinary Manual*, 10<sup>th</sup> edition.

**Hargis, Billy**, 2010 Microbiological Pathogens: Live Poultry Considerations. In: *Poultry Meat Processing*, 2<sup>nd</sup> Edition.

Jurkevich, A., M.V. Mikhailova, F.N. Madison, L.E. Cornett and **W.J. Kuenzel**. 2010. Molecular processes underlying neuroendocrine regulation of stress responses in an avian species. In: *Neuroendocrinology Research Development*. Nova Science Publishers: Hauppauge, N.Y.

**Owens, C.M.**, 2010. Coated poultry products. Pages 279-293 In: *Poultry Meat Processing*. 2<sup>nd</sup> Ed., Ed. C.M. Owens, C.Z. Alvarado and A.R. Sams. CRC Press, Boca Raton, FL.

Sams, A.R. and **C.M. Owens**, 2010. Second processing: Parts, deboning and portion control. Pages 51-65 In: *Poultry Meat Processing*. 2<sup>nd</sup> Ed., Ed. C.M. Owens, C.Z. Alvarado and A.R. Sams. CRC Press, Boca Raton, FL.

**Owens, C.M.** and J.F. Meullenet. 2010. Poultry Meat Tenderness. Pages 491-514. In: *Handbook of Poultry Science and Technology: Volume 1: Primary Processing; Volume 2: Secondary Processing*. Guerrero-Legarreta, I. and Y. H. Hui, Eds. John Wiley and Sons, Inc. Hoboken, NJ.

**Owens, C.M.** and J.K. Apple. 2010. Pale, soft, and exudative poultry meat. Pages 515-531. In: *Handbook of Poultry Science and Technology: Volume 1: Primary Processing; Volume 2: Secondary Processing*. Guerrero-Legarreta, I. and Y. H. Hui, Eds. John Wiley and Sons, Inc. Hoboken, NJ.

Hanning, I., and **M. Slavik**. 2010. *Campylobacter jejuni* in biofilms: A possible mechanism of survival inside and outside the chicken host. In *Perspectives on Food Safety Issues of Animal Derived Foods*. Pp. 105-117.

**Waldroup, P.W.**, 2010. Chickens: Broiler Nutrition Management. In: *Encyclopedia of Animal Science*. W. G. Pond and A. W. Bell, Ed. Marcel Dekker, New York, NY.

## Non-refereed publications authored

### Agricultural Economics and Agribusiness

**Ahrendsen, Bruce L.** 2010. "Key Financial Risks for Producers" White Paper, Southern Risk Management Education Center, University of Arkansas, Division of Agriculture, Fayetteville, September: 3 pp.

**Akaichi, F., Gil, M.J., and Nayga, Jr., R. M.** 2010. "Assessing Consumers' Willingness to Pay for Different Units of Organic Milk: Evidence From Multi-unit Auctions." Annual meetings Agricultural and Applied Economics Association Meeting, Denver, Colorado, USA, July 24-28.

**Akaichi, F., R. M. Nayga, Jr., and J. Gil.** 2010. "Assessing Consumers' Willingness to Pay for Different Units of Organic Milk: Evidence from Multi-Unit Auctions", Agricultural and Applied Economics Association Meetings, Denver, Colorado, July 25-27.

**Akaichi, F., R. M. Nayga, Jr., and J. Gil,** "Assessing Consumers' Willingness to Pay for Different Units of Organic Milk: Evidence from Multi-Unit Auctions", Agricultural and Applied Economics Association Meetings, Denver, Colorado, July 25-27, 2010.

**Akaichi, F., R. M. Nayga, Jr., and J. Gil.** 2010. On the Use of Multi-Unit Auctions in Assessing Consumers' Valuation for Food Products." Agricultural and Applied Economics Association Meetings, Denver, Colorado, July 25-27.

**Alviola IV, P. A., and O. Capps, Jr.** 2010. "Examining the Factors affecting the purchase of Organic and Conventional Milk in the United States." *AFCERC Commodity Market Research Report No. CP-02-10 February*.

**Alviola IV, P. A., Capps, Jr. O., and Wu, X.** *Micro-Demand Systems Analysis of Non-Alcoholic Beverages in the United States: An Application of Econometric Techniques Dealing with Censoring*. Selected paper prepared for presentation at the Agricultural & Applied Economics Association's 2010 AAEA, CAES and WAEA Joint Annual Meeting, Denver, Colorado, July 25-27.

**Alviola IV, P. A.** *How to Survive Grad School*. Panelist, GSC Track Session at the Agricultural & Applied Economics Association's 2010 AAEA, CAES and WAEA Joint Annual Meeting, Denver, Colorado, July 25-27.

**Alviola, P., R. M. Nayga, Jr., M. Thomsen, D. Danforth, and J. Smartt.** 2010. "The Effect of Fast Food Restaurants on School Level Obesity Rates." Arkansas Biosciences Institute Symposium, Little Rock, AR, September 29.

**Armah, Paul and Mary Clayton.** 2010. "The Economic Impact of Ethanol Production on Arkansas Corn-based Livestock Feed Prices." Abstract and Presentation. Food Distribution Research Society, Annual Conference, Sandestin Beach Golf Resort and Spa Sandestin, Florida, October 16 - 20.

**Barham, Elizabeth** (editor). 2010. *American Origin Products: Protecting a Legacy*. Organisation for an International Geographical Indications Network (oriGIn: <http://www.origin-gi.com/>). Geneva, Switzerland.

**Bektemirov, Kuatbay.** 2010. "Peculiarities of Strategy Development for Ecologically Strained Regions." In: *III International Scientific-Practical Conference ?Problems of Rational Use and Protection of Biological Resources of Southern Aral Sea Region?*, Nukus, Uzbekistan, May 13-14 (in Russian).

Brady, P. O., **M. Thomsen** and J. R. Morris. 2010. "Marketing Options for Grapes and Grape Products." University of Arkansas, Division of Agriculture, Arkansas Agricultural Experiment Station, Research Report 988. (January) 37 pages.

**Caputo, V., R. M. Nayga, Jr.**, and M. Canavari. 2010. "Organic Consumers' Valuation for Food Miles Labels: Do they Get More Utility from Food Miles Information than Organic Attribute Information?" 119th European Association of Agricultural Economists' Seminar, Capri, Italy, June 30-July 2.

**Caputo, V.** and **R. M. Nayga, Jr.** 2010. "Consumers' Valuation for Generic Food Miles Labeling Programs: Implications for Local Foods." Northeastern Agricultural and Resource Economics Association Workshop on Economics of Local Food Markets, Atlantic City, New Jersey, June 15-16.

**Caputo, V.**, A. Vassilopoulos, **R. M. Nayga, Jr.**, and M. Canavari. 2010. "Welfare Effects of Food Miles Labels." 120th European Association of Agricultural Economists' Seminar, Crete, Greece, September 2-4.

Carriquiry, Miguel, Fengxia Dong, Xiaodong Du, Amani Elobeid, Jacinto F. Fabiosa, **Eddie Chavez**, and Suwen and Pan. 2010. "World Market Impacts of High Biofuel Use in the European Union." Working Paper 10-WP 508, Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa.

**Carvalho, Thais, Michael R, Thomsen** and John R. Clark. 2010. "Commercial Fresh Blackberry Shipping Market Growth and Price Trends in the United States." *Small Fruit News* 10,2(April):8-10.

**Dixon, Bruce L., Bruce L. Ahrendsen**, and Latisha A. Settlege. 2010. "A Triple Hurdle Model of U.S. Commercial Bank Use of Guaranteed Loans and Interest Assistance." Abstract in *Agricultural and Rural Finance Markets in Transition*, Regional Research Committee NC-1177, October 1: 2 pp.

Elbakidze, L. and **R. M. Nayga, Jr.** 2010. "Willingness to Pay for Animal Welfare Attributes in Dairy Products: Evidence from Experimental Auctions", Agricultural and Applied Economics Association Meetings, Denver, Colorado, July 25-27.

**Flanders, Archie**, Jeffrey Hignight, and **H. Scott Stiles**. 2010. "2010 Crop Enterprise Budgets for Arkansas Field Crops Planted in 2010." University of Agriculture, Division of Agriculture, AG-1259-12-09.

**Goeringer, L. Paul**. 2010. "Oklahoma's 2009 Right-to-Farm Amendments: Extending New Protections to Oklahoma's Producers." *San Joaquin Agricultural Law Review*, 19:1.

**Goeringer, L. Paul**. 2010. "A Practitioner's Guide to the Oklahoma Groundwater Act: How to Dip Your Bread into Gravy While It is Still Hot." *Kentucky Journal of Equine Agricultural & Natural Resource Law*, 2:157.

Knutson, Ronald D. Russell W. Currier, Luis Ribera, **Paul Goeringer**. 2010. "Asymmetry in Raw Milk Safety Perceptions and Information: Implications for Risk in Fresh Produce Marketing and Policy." Selected paper 1<sup>st</sup> Joint EAAE/AAEA Seminar *The Economics of Food, Food Choice and Health* Freising, Germany, 15-17 September.

McFadden, Brandon R., **Bruce L. Dixon**, and **Bruce L. Ahrendsen**. 2010. "Macroeconomic Impacts on Agriculture." *Farm Management and Marketing Newsletter*. University of Arkansas, Division of Agriculture. 18,1(March):7-9.

Miller, J. D., S. W. McCullough, **D. V. Rainey**, and B. Das. 2010. "Arkansas Agritourism Business Operators: Who They Are, How They Communicate, What They Want to Learn, and How They Want to Learn it." Proceedings of the 107th Annual Meeting of the Southern Association of Agricultural Scientists Agricultural Communications Section, Orlando, FL.

Moldenhauer, K., **L. Nalley**, **B. Watkins**, and J. Gibbons. 2010. "Twenty-five Years of Rice in Arkansas: Impacts and Changes." Paper Presented at the 33rd Rice Technical Working Group meetings. Biloxi, Mississippi. February 22-25.

Moldenhauer, K., **L. Nalley**, **B. Watkins**, J. Gibbons, and K. Gravios. 2010. "Impact of Rice Variety Development: Changes, Challenges, and Future." Paper presented at the 2009 American Society of Agronomy (ASA) meetings. Pittsburg, Pennsylvania. November 1-5, 2009.

Moser, A., S. Chen, and **R. M. Nayga, Jr.**, 2010. "Underlying Contributions to Childhood Obesity: The Effect of Role Modeling in Nutrition Behavior and Health Related Activities." Joint EAAE/AAEA Seminar on The Economics of Food, Food Choice, and Health, Munich, Germany, September 15-17.

**Nalley**, L. and F. Lee. 2010. "The Genetic and Economic Impact of Improved Blast Resistance in Arkansas Rice Varieties." In B. R. Wells Rice Research Studies 2009. Arkansas Agricultural Experiment Station. Fayetteville, Arkansas.

**Nalley**, L., **M. Popp**, and C. Fortin. 2010. "How A Cap-and-Trade Policy of Green House Gases Could Alter the Face of Agriculture in the South: A Spatial and Production Level Analysis." Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Orlando, Florida. February 6-9.

**Nalley**, L., and **M. Popp**. 2010. "Modeling the Effects of Cap and Trade and a Carbon Offset Policy on Crop Allocations and Farm Income." Paper presented at the 2010 Agriculture and Applied Economics Association Annual Meetings, Denver, Colorado, July 25-27.

**Nalley**, L., Z. Niederman, M. Matlock, and K. Brye. 2010. "A County Level Methodology for Estimating Green House Gas Emissions and Sequestration for Cotton Production in the United States." Paper presented at the 2009 SETAC Africa/ANCAP meetings. Kampala, Uganda. November 2-5, 2009.

Niederman, Z., **L. Nalley**, and M. Matlock. 2010. "Evaluation of Potential Human and Ecotoxicity Impacts from US Cotton Production Practices." Paper presented at the 2009 SETAC Africa/ANCAP meetings. Kampala, Uganda. November 2-5, 2009.

**Popp**, J., **N. Kemper**, **W. Miller**, **K. McGraw** and K. Karr. 2010. "Economic Impact of Arkansas Agriculture: Pocket Guide." UA Division of Agriculture, Little Rock. 31pp.

**Popp**, M. R. Babcock, **G. Vickery** and E. Clausen 2010. "Economic Issues Related to Continuous Supercritical Biodiesel Production." Blackwell Transportation Center, Fayetteville, AR.

**Rainey**, Daniel V., **Harjanto Djunaidi**, Stacey W. McCullough, and Biswa R. Das. 2010. "Factors That Affects Arkansas Farm Operators' and Landowners' Decision to Participate in Agritourism." *Journal of Agricultural and Applied Economics* 42(3):585. And in AgEcon Research in Agricultural and Applied Economics.

**Rodríguez**, H. G., **J. Popp**, C. Maringanti, and I. Chaubey. 2010. "Selection and Placement of Best Management Practices Used to Reduce Total Phosphorous Runoff in the Lincoln Lake Watershed in Northwest." Abstract published in the *Journal of Agricultural and Applied Economics* 42 (3):598. Winner of first place poster award at the 2010 Southern Agricultural Economics Meetings.



**Smith, A., M Popp,** and **L. Nalley.** 2010. "Carbon Offset Payments and Spatial Biomass Supply in Arkansas: Implications of Pine and Switchgrass." Paper presented at the 2010 Challenges of Natural Resource and Economic Policy Meeting. New Orleans, Louisiana, May 26-28.

Teague, Tina Gray and **Diana M. Danforth.** 2010. "Irrigation Timing and Tarnished Plant Bug Management — Implications for Late Season Susceptibility to Tarnished Plant Bug and Crop Termination Decisions." Proceedings Beltwide Cotton Conferences, National Cotton Council, Memphis, TN, pp 825-840.

Vassilopoulos, A., A. Drichoutis, **R. M. Nayga, Jr.,** and P. Lazaridis. 2010. "Food Stamp Participation and Obesity: Matching Estimators and their Sensitivity." Ioannina Meeting on Applied Economics and Finance, Greece, June 10-11.

**Wailes, E. J.** and **E. C. Chavez.** 2010. "Price and Policy Analytical Baseline, 2010-2019." In: R. J. Norman and K. A. K. Moldenhauer (eds.). B. R. Wells Rice Research Studies 2009. University of Arkansas Agricultural Experiment Station, Research Series 581, August:255-264.

**Wailes, Eric** and **Ed Chavez.** 2010. "World Rice." In FAPRI 2010 U.S. and World Agricultural Outlook. Contributors of the rice section to FAPRI Staff Report 10-FSR1, Food and Agricultural Policy Research Institute, Iowa State University and University of Missouri-Columbia. January. pages 7-8, 27, 167-184.

**Wailes, Eric** and **Ed Chavez.** 2010. "Rice Outlook." In FAPRI 2010 World Agricultural Briefing Book, Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa. 76 pages.

**Wailes, Eric J.** and **Eddie Chavez.** 2010. "Updated Arkansas Global Rice Model." University of Arkansas Department of Agricultural Economics and Agribusiness, Division of Agriculture Staff Paper 04-2010.

**Wailes, E. J.** and **E. C. Chavez.** 2010. FAPRI 2011 Preliminary Baseline: International Rice, 2010-2020. Presented at the 2011 FAPRI Baseline Review in Washington, D.C. December 13-14

**Wailes, Eric,** Jeffrey Hignight, **Wayne Miller,** **H. Scott Stiles,** and **K. Brad Watkins.** 2010. "Arkansas Crop Losses from Poor Harvest Conditions in 2009" *Farm Management and Marketing Newsletter* 18, 1(March).

Xue, H., D. Mainville, W. You, and **R. M. Nayga, Jr.** 2010. "The Influence of Endogenous Nutrition Knowledge on Consumers' Willingness to Pay for Healthful Food Products." Agricultural and Applied Economics Association Meetings, Denver, Colorado, July 25-27.

### **Agricultural and Extension Education**

**Johnson, D.M.** (2010). Request for re-recognition of the area of concentration in Agricultural Systems Technology Management (ASTM) in the Agricultural Education, Communication, and Technology (AECT) B.S. major in the Department of Agricultural and Extension Education University of Arkansas. *Program review document prepared for the ED-206 Committee of the American Society of Agricultural and Biological Engineers (ASABE)*, 36 pages.

### **Animal Science**

**Apple, J. K.** 2010. The influence of Paylean™ (ractopamine hydrochloride) on pork quality. National Swine Nutrition Guide, Pig Information Gateway Factsheet, U. S. Pork Center of Excellence, Iowa State University, Ames.

**Apple, J. K.** 2010. Pork quality nutrition. National Swine Nutrition Guide, Pig Information Gateway Factsheet, U. S. Pork Center of Excellence, Iowa State University, Ames.

Keys, C. A., **J. K. Apple**, J. W. S. Yancey, R. J. Stackhouse, and L. N. Mehall. 2010. Benefits of natural branded vs. conventionally-fed, commodity beef. Arkansas Anim. Sci. Res. Report 584:57-59.

Gadberry, S., P. Beck, B. Barham, W. Whitworth, G. Montgomery, and **J. Apple**. 2010. Impact of a starch- or fiber-based creep feed and backgrounding diet on calf growth performance and carcass characteristics. Arkansas Anim. Sci. Res. Report 584:89-91.

Yancey, J. W. S., **J. K. Apple**, T. M. Johnson, and R. J. Stackhouse. 2010. Clarified noni juice spray was not successful as an antioxidant in beef loin steaks. Arkansas Anim. Sci. Res. Report 584:77-79.

Tapp, W. N., J. W. S. Yancey, **J. K. Apple**, and R. G. Godbee. 2010. Noni pulp (*Morinda citrifolia*) mixed in beef patties enhanced color stability. Arkansas Anim. Sci. Res. Report 584:72-76.

Stackhouse, R. J., **J. K. Apple**, J. W. S. Yancey, C. A. Keys, and T. M. Johnson. 2010. Citric acid enhancement at solution pH values between 3.5 and 5.0 does not alter the fresh or cooked color of dark-cutting beef. Arkansas Anim. Sci. Res. Report 584:65-67.

Stackhouse, R. J., **J. K. Apple**, J. W. S. Yancey, C. A. Keys, and T. M. Johnson. 2010. Citric acid marination can improve the cooked color, but not fresh color, of dark-cutting beef. Arkansas Anim. Sci. Res. Report 584:68-71.

Starnes, AR, **AH Brown, Jr, ZB Johnson, JG Powell, JL Reynolds, CF Rosenkrans, Jr.** 2010. Relationship of fecal egg counts to prolactin promoter polymorphisms in Angus calves. Research Series 584 Arkansas Animal Science Department Report 2010. 45-46.

Ata, M., **K. P. Coffey**, J. D. Caldwell, A. N. Young, **D. Philipp, E. Kegley**, G. F. Erf, D. S. Hubbell, III, and **C. F. Rosenkrans, Jr.** 2010. Immune function responses of spring and fall-born calves weaned from wild-type or novel-endophyte infected tall fescue. Research Series 584 Arkansas Animal Science Department Report 2010:16-19.

Briggs, B. E., T. G. Montgomery, **K. P. Coffey, D Philipp**, P. B. Francis, J. D. Caldwell, W. A. Whitworth, and A. N. Young. 2010. Growth Performance by Heifers Grazing Sod-Seeded Annual Ryegrass Pastures Fertilized with Nitrogen or Overseeded with Crimson, Ladino, or both Crimson and Ladino Clovers Arkansas Agri. Exper. Sta. Research Series 584:24-25.

**Caldwell, J., K. Coffey, C. West, D. Philipp, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, D. Kreider, M. Looper, M. Popp, M. Savin, E. Kegley, and C. Rosenkrans, Jr.** Performance by Spring and Fall-Calving Cows Grazing with Full Access, Limited Access, or No Access to Wild-Type Endophyte-Infected Fescue—3-Year Summary. Arkansas Animal Science Department Report 2010. Research Series 584, Pages 10-12.

**Caldwell, J., K. Coffey, D. Kreider, D. Philipp, D. Hubbell, III, J. Tucker, A. Young, M. Looper, M. Popp, M. Savin, J. Jennings, and C. Rosenkrans, Jr.** Post-Weaning Performance by Spring and Fall-Born Steers Weaned from Full Access, Limited Access, or No Access to ‘Wild-Type’ Endophyte-Infected Tall Fescue Pastures—2 Year Summary. Arkansas Animal Science Department Report 2010. Research Series 584, Pages 13-15.

Jogan, K., **N. Jack** and R. Laurence. Half-way to a Dream. July-Sept 2010. AR Thoroughbred Breeders and Horsemen’s Association Newsletter Manship, A. J., 2010. IRAP: Osteoarthritis Treatment. July-Sept 2010. AR Thoroughbred Breeders and Horsemen’s Association Newsletter

Richeson, J.T., **E.B. Kegley, J.G. Powell**, J.A. Hornsby, D.L. Galloway, B.L. Vander Ley, J.F. Ridpath. 2010. Pre-Arrival Management of Newly Received Beef Calves with or without Continuous Exposure to a Persistently Infected Bovine Viral Diarrhea Virus Type 1 Calf Affects

Health, Performance, Bovine Viral Diarrhea Virus Type 1a Titers, and Circulating Leukocytes. Research Series 584 Arkansas Animal Science Department Report 2010. 47-52.

Richeson, J. T., **E. B. Kegley**, D. L. Galloway, and T. J. Wistuba. 2010. Influence of supplemental calcium and feeding fish oil on fatty acid composition in muscle of grazing calves. Research Series 584 Arkansas Animal Science Department Report 2010:53-56.

Richeson, J. T., and **E. B. Kegley**. Pre-arrival management of newly received beef calves with or without exposure to a persistently infected bovine viral diarrhea virus type I calf affects health, performance, bovine viral diarrhea virus type I titers, and circulating leukocytes. 2010 Joint Annual Meeting, July 14, Denver, CO.

Hatungimana, E., D. **W. Kellogg**, K. S. Anschutz, and **A. H. Brown, Jr.** 2010. Effect of Treatment of Selected Mature Forages with Sodium Hydroxide on In Vitro Dry Matter Degradability. J. Anim. Sci. 88(E-Suppl. 3):19.

Hickman, Emily, **David Kreider**, Chris Tucker, Jana Reynolds, **Jeremy Powell**, and **Tom Yazwinski**. 2010. Studies into cytauxzoon and helminth infections of bobcats (*Lynx rufus*) of Northwest Arkansas. 2010. Discovery, Vol 11:13-19.

**Kreider, D.L.**, N. B. Anthony, S. Whiting, G. F. Erf, and K. R. Hamal. Single Nucleotide Polymorphisms Associated with Ascites in Susceptible and Resistant Broiler Lines. Arkansas Animal Science Department Report 2010. Research Series 584, Pages 103-106.

**Philipp, D.**, B. Briggs, **K. Coffey**, John Jennings, and R. Rhein. 2010. Clovers in Response to Broadcast vs. No-Till Drill Planting – Second Year Results. Arkansas Agri. Exper. Sta. Research Series 584:86-88.

Mehall, L. N., **F. W. Pohlman**, **A. H. Brown, Jr.**, P. N. Dias-Morse, and J. A. McDaniel. 2010. The Effects of Cetylpyridinium Chloride, Trisodium Phosphate, Potassium Lactate, Sodium Metasilicate, or Water as Multiple Application Antimicrobial Interventions on Microbiological Characteristics of Beef *Biceps Femoris* Muscles. Arkansas Animal Science Department Report. Arkansas Agri. Exper. Sta. Research Series 584:60-62.

**Pohlman, F. W.**, P. N. Dias-Morse, A. Mohan, L. N. Mehall, T. N. Rojas, and J. A. McDaniel. 2010. Influence of hydrochloric/citric acid mixture alone or in combination with cetylpyridinium chloride and TSP in reducing *E. coli*, coliform and aerobic plate counts in inoculated beef. Arkansas Animal Science Report. Arkansas Agri. Exper. Sta. Research Series 584:63-64.

**Powell, J.G.**, **R.W. Rorie**, T.D. Lester. 2010. Effect of GnRH timing following a long-term CIDR-based estrous synchronization protocol on estrous response and conception rates in postpartum beef cows. Research Series 584 Arkansas Animal Science Department Report 2010. p26-27.

Troxel, T.R., J.A. Jennings, M.S. Gadberry, B.L. Barham, K. Simon, **J.G. Powell**, D.S. Hubbell, J.D. Tucker. 2010. 300 Day Grazing Demonstration – Year 2. Research Series 584 Arkansas Animal Science Department Report 2010. 92-96.

Robinette, J.A., B.C. Williamson, R. Flores, J.B. Woolley, C.R. Bailey, L.M. Tharel, J.R. King, D.M. Burner, P. Carver, W.K. Coblenz, T.J. Wistuba, **C.F. Rosenkrans, Jr.**, and M.L. Looper. 2010. In situ ruminal kinetics of dry matter and neutral detergent fiber disappearance for the biomass forages Amur Silvergrass and Big Bluestem. AR Agr. Exp. Sta. Research Series 584:20-23.

Sales, M.A., M.L. Looper, C.R. Krehbiel, D.L. VanOverbeke, D. Burken, S. Reiter, D. Holtz, and **C.F. Rosenkrans, Jr.** 2010. Effects of genotype on body weight, cortisol, and prolactin in steers grazing toxic or non-toxic endophyte-infected fescue. AR Agr. Exp. Sta. Research Series 584:31-35.

Shrum, K., T. Lester, R. Rorie, S. Reiter, M. Looper, and **C. Rosenkrans, Jr.** 2010. Effects of heat shock protein 70 haplotype and tall fescue variety on bull sperm characteristics. AR Agr. Exp. Sta. Research Series 584:39-44.

Williamson, B.C., **C.F. Rosenkrans, Jr.**, S.T. Reiter, J.D. Thompson, M.A. Sales, and M.L. Looper. 2010. Identification of single nucleotide polymorphisms of the lactate dehydrogenase-B gene and association with cow and calf performance. AR Agr. Exp. Sta. Research Series 584:36-38.

Hubbell, III, and **C.F. Rosenkrans, Jr.** 2010. Immune function responses of spring and fall-born calves weaned from wild-type or novel-endophyte infected tall fescue. Arkansas Agri. Exper. Sta. Research Series 584:16-19.

Relative to Teaching: February 2010. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: **Charles Rosenkrans, Jr.**, Janine Parry, and Marianne Neighbors.

### **Biological and Agricultural Engineering**

**Osborn, G. S.**, A. McCain, G. Richardson. 2010. New Approaches: Introduction to the SDOX a new method for adding dissolved oxygen to rivers and shallow lakes. Lakeline – The Journal of the North American Lake Management Society, Summer 2010 p. 13-17.

**Osborn, G.S.** 2010. A Firm Foundation: The Personal Side of the PE Exam, p. 16-17. Resource. Jan/Feb 2010. ASABE, St. Joseph, MI

### **Entomology**

**Barnes, J. K.** 2010. Azalea lace bug. University of Arkansas Arthropod Museum Notes 78.

**Barnes, J. K.** 2010. Chiggers. University of Arkansas Arthropod Museum Notes 77.

**Barnes, J. K.** 2010. Confused flour beetle. University of Arkansas Arthropod Museum Notes 79.

**Barnes, J. K.** 2010. Elm sawfly. University of Arkansas Arthropod Museum Notes 70.

**Barnes, J. K.** 2010. Glow-worm. University of Arkansas Arthropod Museum Notes 71.

**Barnes, J. K.** 2010. Golden digger wasp, great golden digger. University of Arkansas Arthropod Museum Notes 69.

**Barnes, J. K.** 2010. Nine-spotted lady beetle. University of Arkansas Arthropod Museum Notes 76.

**Barnes, J. K.** 2010. Pennsylvania leatherwing. University of Arkansas Arthropod Museum Notes 74.

**Barnes, J. K.** 2010. Pinching bug. University of Arkansas Arthropod Museum Notes 73.

**Barnes, J. K.** 2010. Red imported fire. University of Arkansas Arthropod Museum Notes 72.

**Barnes, J. K.** 2010. Southern armyworm. University of Arkansas Arthropod Museum Notes 75.

**Dowling, A.P.G.**, R. J. Saylor and R. D. **Cartwright.** 2010. Genetic characterization of the panicle rice mite, *Steneotarsonemus spinki* (Acari: Tarsonemidae). 2009 B.R. Wells Rice Research Studies.

**Sayler**, R. J., C. Walker, T. L. Kirkpatrick, R. Robbins and F. L. **Goggin**. 2010. Detection of reniform nematode by conventional and real-time PCR. *Phytopathology*, 110:S114.

**Garcia**, M. E., D. T. **Johnson**, I. E. **Tzanetakis**, T. Kirkpatrick and C. I. Vincent. 2010. Cultural problems facing the blueberry industry in Arkansas. *Proceedings OK & AR Horticulture Industries Show* 29:97-98.

**Johnson**, D., B. Lewis, A. Knutson and F. Pontasch. 2010. Management of green June beetles and Japanese beetles in fruit. *Proceedings OK & AR Hort. Industries Show* 29:73-77.

**Rom**, C. R., J. McAfee, H. Friedrich, D. **Johnson**, E. **Garcia** and J. **Popp**. 2010. Early performance of an organic apple orchard as affected by nutrient source and ground cover management. *Proceedings OK & AR Horticulture Industries Show* 29:80-83.

**Rom**, C. R., H. Friedrich, J. McAfee, D. **Johnson**, E. **Garcia** and J. **Popp**. 2010. Opportunities and challenges for high tunnel fruit production in the Arkansas-Oklahoma. *Proceedings OK & AR Horticulture Industries Show* 29:68-71.

Hopkins, J., and P. **McLeod**. 2010. Insect pest management in the home garden. University of Arkansas Cooperative Extension Service FSA 7510. 4 p.

**McLeod**, P. 2010. Evaluation of foliar insecticides for corn earworm management on sweet corn, 2009. *Arthropod Management Tests*, E27.

**McLeod**, P. 2010. Evaluation of insecticides for control of corn earworm on snap bean, 2009. *Arthropod Management Tests*, E20.

**Szalanski**, A. L., J. Whitaker and P. Cappy. 2010. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. *American Bee Journal*, 150:508 (abstract).

### **Horticulture**

**Clark**, J.R. 2010. Prime-Ark® 45, a New Blackberry Variety. Southern Region Small Fruit Newsletter, Jan. pgs.3-6.

**Clark**, J.R. 2010. White Diamond and White Cloud peaches. Arkansas Fruit and Nut Newsletter.

Carvalho, T., M.R. Thomsen, and J.R. **Clark**. 2010 Commercial Fresh Blackberry Shipping Market Growth and Price Trends in the United States. Southern Region Small Fruit Consortium Newsletter, April, pgs.8-10.

Carvalho, T., M.R. Thomsen, and J.R. **Clark**. 2010. Growth and Price Trends in the Commercial Fresh Blackberry Shipping Market. N Amer Raspberry and Blackberry Assn Newsletter 25:1 Spring, pgs. pages 5-7.

Finn, C.E., J.R. **Clark**, and S. Sleezer. 2010. Blackberry. In: J.R. Clark and C.E. Finn (eds.). Register of new fruit and nut cultivars List 45. *HortScience* 45:720-721.

Sandefur, P.J., J.R. **Clark**, and D. **Karcher**. 2010. Characterization and Inheritance assessment of fruit and leaf shape in unique *Vitis* seedlings. *Discovery, The Student Journal of the Dale Bumpers College of Agricultural, Food and Life Sciences* 11:40-45.

Taylor, M., M. **Evans**, and J. Kuehny. 2010. The Beef on Biocontainers : Strength, Water Use, Biodegradability and Greenhouse Performance. The OFA Bulletin. Sept/Oct. 923:1, 5-9.

Taylor, M., M. **Evans**, and J. Kuehny. 2010. Comparing Strength and Biodegradability of Biocontainers. Greenhouse Management and Production (GMPro).September. pp. 14-20.

**Karcher**, D.E. A.J. Patton, and M.D. **Richardson**. 2010. Editors, Arkansas Turfgrass Report 2009. Ark. Ag. Exp. Stn. Res. Ser. 579. The publication includes 34 individual papers summarizing research activities within the UofA turf program.

**Karcher**, D. and J. Summerford. 2010. Effects of “Immerse GT” and “Immerse GT 2009” wetting agents on localized dry spot incidence and rootzone moisture distribution under various moisture conditions. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:57-63.

**Karcher**, D., M. **Richardson**, A. Patton, and J. Summerford. 2010. Summary of the 2008 NTEP bentgrass tee/fairway trial - 1st year data. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:10-14.

**Karcher**, D., M. **Richardson**, A. Patton, and J. Summerford. 2010. Summary of the 2008 NTEP bentgrass putting green trial - 1st year data. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:15-19.

**Karcher**, D., M. **Richardson**, A. Patton, and J. Summerford. 2010. Wetting agent effects on rootzone moisture distribution under various irrigation regimes - Year 2 summary. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:50-56.

Richards, J., D. **Karcher**, M. **Richardson**, A. Patton, and J. Summerford. 2010. High frequency rolling on a sand-based putting green. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:77-81.

Strunk, D., J. Young, D. **Karcher**, M. **Richardson**, and A. Patton. 2010. Ball lie of creeping and colonial bentgrass cultivars under fairway conditions. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:40-45.

Trappe, J., A. Patton, D. **Karcher**, and M. **Richardson**. 2010. Golf ball lie differs among bermudagrass and zoysiagrass cultivars - year 2. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:87-90.

Trappe, J., A. Patton, D. **Karcher**, and M. **Richardson**. 2010. Clipping yield and scalping tendency of bermudagrass and zoysiagrass cultivars - year 2. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:91-94.

Trappe, J., A. Patton, D. **Karcher**, and M. **Richardson**. 2010. Divot recovery among bermudagrass and zoysiagrass cultivars - year 2. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:119-122.

Trappe, J., A. Patton, D. **Karcher**, and M. **Richardson**. 2010. Divot resistance of bermudagrass and zoysiagrass cultivars. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:123-126.

Trappe, J., A. Patton, D. **Karcher**, and M. **Richardson**. 2010. Shade and traffic tolerance of bermudagrass and zoysiagrass - year 2 results. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:127-132.

Summerford, J. and **Karcher**, D. 2010. Poultry compost as an amendment for establishing creeping bentgrass in a sand-based rootzone. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:104-107.

Summerford, J. and D. **Karcher**. 2010. Tall fescue establishment under varying levels of phosphorous. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:108-111.

Patton, A., J. Trappe, D. **Karcher**, and M. **Richardson**. 2010. Golf club selection and golfer influence divot size in bermudagrass fairways. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:165-168.

Yang, L., D. **Karcher**, and J. Summerford. 2010. Organic matter accumulation of bentgrass cultivars following establishment on a sand-based putting green. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:46-49.

**Lindstrom**, J.T. 2010. Fragrant Abelia. Arkansas Gardener 10(4):48.

**McDonald**, G.V. 2010. Go home and go bold. Arkansas Gardener. State-by-state publishing. February 2010.

**McDonald**, G.V. 2010. Going native for a change. Arkansas Gardener. State-by-state publishing. March 2010.

**McDonald**, G.V. 2010. Go with the flow. Arkansas Gardener. State-by-state publishing. June 2010.

**Richardson**, M., J. McCalla, D. **Karcher**, and A. Patton. 2010. Report from the 2006 NTEP tall fescue trial - 2009 data. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:36-39.

**Richardson**, M., D. **Karcher**, and J. McCalla. 2010. Drought tolerance of 15 bermudagrass cultivars. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:112-115.

**Richardson**, M., D. **Karcher**, and J. McCalla. 2010. Drought tolerance of Kentucky and hybrid bluegrass cultivars. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:116-118.

**Richardson**, M., J. McCalla, and K. Hignight. 2010. Seedling emergence of tall fescue and Kentucky bluegrass as affected by two seed coating techniques. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:99-103.

**Richardson**, M., and J. McCalla. 2010. Response of bermudagrass and zoysiagrass cultivars to dismiss south and solitary herbicides. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:155-159.

**Richardson**, M., and C. Stiegler 2010. 2009 weather summary for Fayetteville, Arkansas. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:169-170.

Patton, A., M. **Richardson**, D. **Karcher**, and J. Trappe. 2010. 2007 NTEP bermudagrass trial - year 3 results. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:20-24.

Patton, A., M. **Richardson**, D. **Karcher**, and J. Trappe. 2010. 2007 NTEP seashore paspalum trial - year 3 results. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:25-27.

Patton, A., M. **Richardson**, D. **Karcher**, and J. Trappe. 2010. 2007 Arkansas zoysiagrass trial - Year 3 results. Ark. Ag. Exp. Stn. Res. Ser. 579:28-35.

Stiegler, C., M. **Richardson**, J. McCalla, J. Summerford, and T. Roberts. 2010. Ammonia volatilization following foliar application of various liquid and granular-soluble nitrogen sources to

putting green turf. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:82-86.

McCalla, J., M. **Richardson**, J. Boyd, and A. Patton. 2010. Annual bluegrass control in creeping bentgrass putting greens. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:133-138.

McCalla, J., M. **Richardson**, J. Boyd, and A. Patton. 2010. Effect of mesotrione on overwintering and spring green-up of seeded bermudagrass. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:139-144.

McCalla, J., M. **Richardson**, J. Boyd, and A. Patton. 2010. Effect of mesotrione on sod quality of Tifwaybermudagrass. Arkansas Turfgrass Report 2009, Ark. Ag. Exp. Stn. Res. Ser. 579:145-149.

Patton, A., J. Trappe, M. **Richardson**, and E. Nelson. 2010. Herbicides for seashore paspalum seedlings: Several herbicides can be safely applied to control weeds in seashore paspalum seedlings. Golf Course Management 78(2):p. 98-102.

**Robbins**, J. 2010. Starting a Wholesale Nursery, Part I. FSA 6055 (revised)

**Robbins**, J. 2010. Starting a Wholesale Nursery, Part II. FSA 6056 (revised)

**Robbins**, J. 2010. Starting a Greenhouse Business, Part I. FSA 6051 (revised)

**Robbins**, J. 2010. Starting a Wholesale Nursery, Part II. FSA 6052 (revised)

**Robbins**, J. 2010. Garden Phlox. FSA 6111 (revised)

**Robbins**, J. 2010. Irrigation Water for Greenhouses and Nurseries. FSA 6061 (revised)

**Robbins**, J. 2010. Ornamental Horticulture Businesses: Licenses. FSA6099 (revised)

**Robbins**, J. and J. Lindstrom. 2010. Tested Tough. Arkansas Gardener 10(1): 48-49.

**Robbins**, J. 2010. Firethorn. Arkansas Gardener 10(2): 49.

**Robbins**, J. 2010. Japanese Maple. Arkansas Gardener 10(3): 48.

**Robbins**, J. 2010. Weeping Eastern Redbud. Arkansas Gardener 10(4): 49.

**Robbins**, J. 2010. Yoshino Cherry. Arkansas Gardener 10(5): 49.

**Robbins**, J. 2010. Soft Cedars. Arkansas Gardener 10(6): 49.

**Robbins**, J. 2010. Double Reeves Spirea. Arkansas Gardener 10(7): 49.

**Robbins**, J. 2010. Paperbark Maple. Arkansas Gardener 10(8): 48.

**Robbins**, J. 2010. A Blaze of Color. Arkansas Gardener 10(9): 48.

**Robbins**, J. 2009. Formulating your nutrition plan. Digger. 53(12):37-40

**Robbins**, J. 2010. A Green Fertilizer. Digger. 54(8):39-41

**Rom**, C.R. 2010. Local, National, Global: What is the place of local foods. HortSci 45(8): S10

**Rom**, C.R. 2010. Local Food Systems - Where do they Fit. An introduction. HortSci 45(8): S10



### **Human Environmental Sciences**

**Apple, L.** (2010). Using students dominant processing style and spatial visualization test to determine teaching methodology for apparel studies computer based course. International Textile and Apparel Association's Annual Conference, Montreal, Canada.

**Harrington, R.J.,** Ottenbacher, M.C. & **Way, K.** (2010). QSR choice: Key restaurant attributes and the role of gender, age and dining frequency. *Proceedings. 2010 I-CHRIE Conference*, Puerto Rico.

**Ogbeide, G.A.** (2010). The millennial (generation Y) students' perception of teaching effectiveness: a case of a tier-one U.S. midwestern university. *International Council on Hotel, Restaurant and Institutional Education Annual Conference & Exposition (I-CHRIE), San Juan, Puerto Rico.*

Raffle, H., **Revelle, G.,** Mori, K., Ballagas, R., Buza, K., Horii, H., Kaye, J., Cook, K., Freed, N., Go, J., & Spasojevic, M. (2010). Hello, is grandma there? let's read! story visit: family video chat and connected E-books. *Proceedings. 29th International Conference on Human Factors in Computing Systems.*

Raffle, H., Ballagas, R., **Revelle, G.,** Horii, H., Follmer, S., Go, J., Reardon, E., Mori, K., Kaye, J., & Spasojevic, M. (2010). Family story play: reading with young children (and Elmo) over a distance. *Proceedings. 28<sup>th</sup> International Conference on Human Factors in Computing Systems.* New York: ACM,1583-1592.

**Smith, K.R. & Southward, C.L.** (2010). LinkedIn to twitter and facebook: social media implications for college undergraduates. *Proceedings. American Association of Family and Consumer Sciences Annual Conference*, Cleveland, OH.

**Way, K., Robertson, L.J., & Turner, M.J.** (2010). Travel and spending characteristics of the mature biker: An exploratory study. *Proceedings of the Harrah's Hospitality Research Summit.*

Wolf, D., **Warnock, M.,** & Davis, K. (2010). Using first-order kinetics to characterize biodegradation rates of three cellulosic fabrics in soil. *Proceedings. Beltwide Cotton Conference. Nonwovens Symposium.* New Orleans, LA (Beltwide.org).

### **Plant Pathology**

**Bluhm BH,** Zhao X. 2010. Measuring protein kinase and sugar kinase activity in filamentous fungi. *In: Methods in Molecular Microbiology: Molecular and Cell Biology Methods for Fungi.* A. Sharon, Ed. Humana Press: Totowa, NJ, USA.

Smith JE, **Bluhm BH.** Fungal secondary metabolomics. *In: Methods in Molecular Microbiology: Fungal Genomics.*

**Milus, E. A.** 2010. Bacterial Streak and Basal Glume Rot chapters for the third edition of the Compendium of Wheat Diseases. APS Press.

**Tzanetakis, I.E.** 2010. Arkansas soybean virus report. NCERA-200 annual meeting.

**Tzanetakis I.E.** 2010. New viruses in blackberry and blueberry in Arkansas. WERA-20 annual meeting.

**Tzanetakis, I.E.** How many viruses make a disease? The Gordian knot of small fruit virology. *Phytopathology* 100:S112

**Tzanetakis, I. E.,** A. Cortez, J. Zhou, B. Poudel, R.C. Larsen, and W.M. Wintermantel. 2010. Epidemiology of two *Diodia virginiana* criniviruses. *Phytopathology* 100:S128

Sabanadzovic, S. and **I.E. Tzanetakis.** 2010. A new ilarvirus from subgroup 1 infects ligustrum. *Phytopathology* 100:S112

Poudel, B., W. M. Wintermantel, S. Sabanadzovic, and **I.E. Tzanetakis.** 2010. Epidemiological studies on *Blackberry yellow vein associated virus*. *Phytopathology* 100:S103

Laney, A., R. Gergerich, K. Keller, R.R. Martin, and **I.E. Tzanetakis.** 2010. Rose rosette and Redbud yellow ringspot agents are caused by two new emaraviruses. *Phytopathology* 100:S67

Laney, A., R. Gergerich, and **I.E. Tzanetakis.** 2010. Redbud yellow ringspot disease: Thirty years of research. *Phytopathology* 100:S201

Kanrar, S., M. Afunian, G. Greer, **I.E. Tzanetakis** and G. Vidalakis. 2010. Molecular characterization of viruses associated with yellow vein and vein enation disease of citrus. 18<sup>th</sup> IOCV meeting.

### **Poultry Science**

Krishnamoorthy, S., **N. Anthony,** D. Rhoads, R. Wideman, and G. Erf. 2010. Analysis of ascites susceptibility using genetic markers in commercial broilers. Poultry Science Association Annual Meeting (Denver, CO),(abstract). Poult. Sci. Vol. 89, E-Suppl.:1:320.

Al-Rubaye, A. A., N. B. Anthony, G. F. Erf, **R. F. Wideman,** and D. D. Rhoads. Using quantitative PCR to investigate three candidate genes related to pulmonary hypertension in the chicken. Poultry Science Association Annual Meeting (Denver, CO), 2010 (abstract). Poult. Sci. Vol. 89, E-Suppl. 1:321.

Al-Rubaye, A. K., **N. B. Anthony,** G. F. Erf, R. F. Wideman, and D. D. Rhoads. 2010. Using quantitative PCR to investigate three candidate genes related to pulmonary hypertension in the chicken. Plant and Animal Genome, San Diego, CA, January 2010.

Krishnamoorthy, S., **N. Anthony,** D. Rhoads, R. Wideman, and G. Erf. 2010. Analysis of ascites susceptibility using genetic markers in commercial broilers. Poult. Sci. Vol. 89, E-Suppl. 1: 320.

Chinn, A., **N. B. Anthony,** G. F. Erf, R. F. Wideman, D. D. Rhoads. April, 2010. Genetic analysis of regions on chromosome Z for contribution to pulmonary hypertension and ascites in the chicken. Arkansas Academy of Science, Little Rock, AR.

Al-Rubaye, S. Krishnamoorthy, **N.B. Anthony,** G.F. Erf, R.F. Wideman, D.D. Rhoads, 2010. Genetic Analysis of Pulmonary Hypertension and Ascites in the Chicken. (abstract) for the NC1007

Bakst, M. R., A. M. Donoghue, D. E. Yoho, J. R. Moyle, S. M. Whipple, M. J. Camp, G. Q. Liu And **R. K. Bramwell,** 2010. Comparisons of sperm storage tubule distribution and number in four strains of mature broiler breeders and in turkey hens before and after the onset of photostimulation. *Poultry Science* 89:986–992.

Moyle, J. R., D. E. Yoho, R. S. Harper, and **R. K. Bramwell,** 2010. Mating behavior in commercial broiler breeders: Female affects. *Journal of Applied Poultry Research* 2010 19: 24-29.

Gadde, U., **H. D. Chapman**, T. Rathinam, and G. F. Erf. 2010. Acquisition of immunity to the protozoan parasite *Eimeria adenoeides* in turkey poult and the peripheral blood leukocyte response to a primary infection. 94th Annual Meeting of the Arkansas Academy of Science. P 43.

Gadde, U., **H. D. Chapman**, T. Rathinam, and G. F. Erf. 2010. Acquisition of immunity to the protozoan parasite *Eimeria adenoeides* in turkey poult and the peripheral blood leukocyte response to a primary infection. International Poultry Scientific Forum. P77.

Gadde U, **H. D. Chapman**, T. Rathinam, and G. F. Erf. 2010. Altered leukocyte profiles in turkey poult following a primary infection with *Eimeria adenoeides*. AAVP Newsletter 32 (2): 11.

**F.D. Clark**, C.A. Tucker, J. Reynolds, T.A. Yazwinski, S. Clark, V. Smith, K. Dobson. July 10-15, 2010. Effect of feeding nitarsone medicated ration on the acquisition and development of nematode parasites in the chicken. 2010 ADSA-PSA-AMPA-CSAS-ASAS Joint Proceedings.

J. R. Moyle, S. M. Whipple, **F. D. Clark** and R. K. Bramwell. July 10-15, 2010. Testicular abnormalities in *Gallus gallus* males. 2010 ADSA-PSA-AMPA-CSAS-ASAS Joint Proceedings.

Arsi, K., Metcalf, J.H., Reyes-Herrera, I., Donoghue, A.M., Venkitanarayanan, K., Blore, P.J., Fanatico, A.C. and **Donoghue, D.J.** 2010. The efficacy of the natural plant extracts, thymol and carvacrol, against *Campylobacter* colonization in broiler chickens. Poultry Sci. 89:473.

Metcalf, J.H., Moore Jr., P.A. Donoghue, A.M., Reyes-Herrera, I., Arsi, K., Blore, P.J. and **Donoghue, D.J.** 2010. Bacterial content following simulated rainfall on poultry waste. Poultry Sci. 89:507.

Kollanoor Johny, M.J., Darre, M., Khan, I., Donoghue, A.M., **Donoghue, D.J.** and Venkitanarayanan, K. 2010. Antibacterial activity of trans-cinnamaldehyde, eugenol, carvacrol, and thymol on *Salmonella* Enteritidis and *ampylobacterjejuni* in chicken cecal contents *in vitro*. Poultry Sci. 89:615.

**Erf, G. F.** 2010. Annual Project Leader Report, **NE-1016** Regional Project on the “Genetic Bases for Resistance and Immunity to Avian Diseases”.

**Erf, G. F.** 2010. Year 2 Annual Progress Report on “Environmental triggers of Autoimmune Vitiligo” for Arkansas Biosciences Institute-Agriculture

**Erf, G. F.** 2010. CRIS Reports (2), including new CRIS projects on “Genetic Bases for Resistance and Immunity to Avian Diseases” and Avian Innate Immune Function: Leukocyte responses to pathogen associated molecular patterns (PAMPS).

**Erf, G. F.** 2010. Minimally invasive procedure to monitor tissue toxicity and immunogenicity of nanomaterials *in vivo*. Nanotechnology and Health Care: 29.

Stepicheva, N. A., R. Liyanage, J. O. Lay, R. L. Dienglewicz, and **G. F. Erf.** 2010. Abnormal morphology of melanosomes in the autoimmune vitiligo-prone Smyth line chicken does not appear to be due to alteration in lipid composition. J. Immunol. 182: 83.16.

Ata, M. A., K. P. Coffey, J. D. Caldwell, E. B. Kegley, M. L. Looper, A. N. Young, D. Philipp, C. P. West, **G. F. Erf**, D. S. Hubbell III, and C. F. Rosenkrans Jr. 2010. Immune function responses by spring and fall-born calves weaned from wild-type or non-toxic endophyte-infected tall fescue. J. Anim. Sci. Vol. 88, E-Suppl. 2: 54.

Dong, L., R. L. Dienglewicz, and **G. F. Erf.** 2010. The response of melanocytes to 4-tertiary butylphenol is related to vitiligo susceptibility in the Smyth line chicken model for autoimmune vitiligo. Pigment Cell & Melanoma Research. 23 (5): 717.

**Erf, G. F.**, L. Dong, R. L. Dienglewicz, N. Stepicheva, and F. Shi. 2010. Environmental triggers of vitiligo expression in vitiligo-susceptible Smyth line chickens. *Pigment Cell & Melanoma Research*. 23 (5): 715.

Stepicheva, N. A., R. Liyanage, J. O. Lay Jr., R. L. Dienglewicz, and **G. F. Erf**. 2010. The alteration in lipid composition of melanosomes in Smyth line chickens appears to be the result rather than the cause of vitiligo expression. Arkansas INBRE Conference, B58.

**Erf, G. F.**, L. Dong, and F. Shi. October, 2010. Immunopathology in autoimmune vitiligo in the Smyth line chickens: a role of IL-21? Avian Immunology Research Group Meeting, Budapest, Hungary.

**Erf, G. F.** September, 2010. Meeting Report: Vitiligo, pathogenesis and therapy; XVIth Annual Meeting of the Pan-American Society for Pigment Cell Research, Vancouver, Canada,. PASPCR Newsletter Vol. 18 (3):17-18.

J. P. Higgins, S. E. Higgins, A. D. Wolfenden, S. N. Henderson, A. Torres-Rodriguez, J. L. Vicente, **B. M. Hargis**, and G. Tellez. February, 2010. Effect of lactic acid bacteria probiotic culture treatment timing on Salmonella Enteritidis in neonatal broilers. *Poultry Science*.89(2):243-7.

R.E. Wolfenden, N.R. Pumford, M.J. Morgan, S. Shivaramaiah, A.D. Wolfenden, G. Tellez and **B.M. Hargis**. 2010. Evaluation of a Screening and Selection Method for Bacillus Isolates for Use as Effective Direct-fed Microbials in Commercial Poultry. *International Journal of Poultry Science* 9 (4): 317-323.

Pixley, J. Barton, J.L. Vicente, A.D. Wolfenden, **B.M. Hargis** and G. Tellez. 2010. Evaluation of a Commercially Available Organic Acid Product During Feed Withdrawal and its Relation to Carcass Shrink in Commercial Turkeys *International Journal of Poultry Science*: 9 (6): 508-510.

G. Tellez, G.M. Nava, J.L. Vicente, M. De Franceschi, E.J. Morales, O. Prado, J.C. Terraes and **B.M. Hargis**. 2010. Evaluation of Dietary *Aspergillus* Meal on Intestinal Morphometry in Turkey Poults. *International Journal of Poultry Science* 9 (9): 875-878.

Khatiwara, A., **B. M. Hargis**, and Y. M. Kwon. 2010. Development of a method to enhance the surface display of an epitope in bacteria vectored vaccine for necrotic enteritis. 110<sup>th</sup> General Meeting of the American Society for Microbiology, May 23-27, San Diego, CA.

C.J. Kremer, S.L. Layton, Morgan. M., S. Shivaramaiah, G. Tellez, and **B.M. Hargis**. 2010. Quantitative Real-Time PCR as a diagnostic application for disease detection in poultry. 3er. Annual AECAM meeting, Juriquilla,, Mx, March 4-6.

G. Tellez, and **B.M. Hargis**. March 4-6, 2010. Inmunidad inata y vacunación en medicina veterinaria. 3er. Annual AECAM meeting, Juriquilla,, MX.

G. Tellez, Wolfenden A.D.and **B.M. Hargis**. September 9-10, 2010. Probiotics and gut health in poultry. Universidad de Santa María, Santa María Brasil.

G. Tellez, and **B.M. Hargis**. October 11-12, 2010. Inmunidad en mucosa y vacunación. 16th AMEVEA Chile.

G. Tellez, and **B.M. Hargis**. November, 11-12, 2010. Importancia de la inmunidad en mucosas para el éxito de las vacunas recombinantes. IX FENAVI Colombia, Cali, Colombia.

Lee, J.Y., and **Kong. B.W.** July 11-15, 2010. Continuously growing chicken liver cell lines for the vaccine production against poultry viruses. Joint annual meeting of ADSA-PSA-AMPA-CSAS-ASAS. Denver, CO.

Lee, J.Y., and **Kong. B.W.** July 17-21, 2010. The analysis of gene expression of infectious laryngotracheitis virus during lytic replication phase in cultured cells. 29<sup>th</sup> Annual meeting of American Society for Virology. Montana State University, Bozeman, Montana.

Huang, H., **Kong. B.W.**, Foster LK, and Foster DN. 2010. Development of a recombinant Avian Metapneumovirus (rAMPV). Midwest Poultry Consortium annual meeting, St. Paul, MN.

Shi, F., Lee, J.Y., Song JJ, **Kong. B.W.**, Dienglewicz RL, and Erf GF. May 7-11, 2010. Global transcriptome analysis of feathers from Smyth line chickens revealed different gene-expression profiles at various stages of autoimmune vitiligo. J. Immunol. 182: 83.17 (Abstr.) 97<sup>th</sup> annual meeting of the American Association of Immunologists in Baltimore, MD.

Lassiter, K., Lee, J.Y., **Kong, B.W.**, and Bottje WG. November 17-21, 2010. Cellular bioenergetics in chicken embryo fibroblast (CEF) and immortal CEF (DF-1) cells. Society of Free Radical Biology and Medicine, Orlando, FL.

**Kuenzel, W.J.**, J. Xie, and A. Jurkevich. 2010. Septal and hypothalamic structures activated following sexual and agonistic encounters in male broiler breeders. Poultry Sci. 89(E-Suppl. 1):565 (Abst. #708).

Xie, J., **W.J. Kuenzel** and A. Jurkevich. 2010. Various social behaviors induce differential responses of aromatase-ir neurons in the brain of male broilers. Poultry Sci. 89(E-Suppl. 1):565 (Abst. #709).

Jurkevich, A., J. Xie and **W.J. Kuenzel**. 2010. Fos protein induction in vasotocinergic neurons of male broilers following different social contexts. Poultry Sci. 89(E-Suppl. 1):565-566 (Abst. #710).

Brewer, V.B., A.C. Fanatico, **W.J. Kuenzel**, C.M. Owens, V.A. Kuttappan, and A.M. Donoghue. 2010. Humane slaughter methods for small- and mid-scale poultry operations. Poultry Sci. 89(E-Suppl. 1):523 (Abst. #588).

Xie, J., **W.J. Kuenzel** and A. Jurkevich. 2010. Sexual and agonistic behaviors induce differential activation of aromatase and vasotocin neurons in the chicken brain. Soc. for Neuroscience Program No. 495.4. 2010 Neuroscience Meeting Planner.

Brewer, V.B., A. C. Fanatico, **W. J. Kuenzel**, C. M. Owens, V. A. Kuttappan, and A. M. Donoghue. 2010. Humane slaughter methods for small- and mid-scale poultry operations. Poult. Sci. 89 (E-Suppl.1):588 (Abstr.)

Fanatico, A.C., V. B. Brewer, **C. M. Owens**, and A. M. Donoghue. 2010. Free-choice feeding of free-range meat chickens. Poult. Sci. 89 (E-Suppl. 1):184 (Abstr.)

S. Shivaramaiah, J.R. Barta, S.L. Layton, C. Lester, **Y.M. Kwon**, L.R. Berghman, B.M. Hargis and G. Tellez. 2010. Development and Evaluation of an aroA / htrA Salmonella enteritidis Vector Expressing Eimeria maxima TRAP Family Protein EmTFP250 with CD 154 (CD 40L) as Candidate Vaccines against Coccidiosis in Broilers. International Journal of Poultry Science 9 (11): 1031-1037.

Kim, J. N., and **Y. M. Kwon**. 2010. Characterization of RyhB-target interaction by random point mutagenesis. 110<sup>th</sup> General Meeting of the American Society for Microbiology, May 23-27, San Diego, CA.

Calhoun, L. N., and **Y. M. Kwon**. 2010. The ferritin-like protein Dps protects against the Fenton-mediated killing mechanism of bactericidal antibiotics in *S. Enteritidis*. 110<sup>th</sup> General Meeting of the American Society for Microbiology, May 23-27, San Diego, CA.

Zhao, J., R. Wang, T. Jiang, **Y. M. Kwon**, and Y. Li. 2010. In vitro selection of aptamers for detection of avian influenza virus H5N1. 110<sup>th</sup> General Meeting of the American Society for Microbiology, May 23-27, San Diego, CA.

Kuttappan, V.A., V. B. Brewer, J. F. Meullenet, and **C. M. Owens**. 2010. Optimization of the time of marination for early deboned broiler breast fillets. Poult. Sci. 89 (E-Suppl. 1):329 (Abstr.)

Kuttappan, V.A., J.F. Meullenet and **C.M. Owens**. 2010. Consumer acceptance of visual appearance of broiler breast meat with varying degrees of white striping. Poult. Sci. 89 (E-Suppl. 1):330 (Abstr.)

Reyes-Herrera, I., Solis de los Santos, F., Hume, M., Venkitanarayanan, K., Donoghue, A.M., Hanning, I., **Slavik, M.F.**, X Aguiar, V, Metcalf, J.H., Blore, P.J. and Donoghue, D.J. 2010. Feed supplementation with caprylic acid reduces *Campylobacter* colonization in market aged broiler chickens without altering cecal microbial populations. Poultry Sci. 89:472.

C. Lu, F. Yan, C. Coto, A. Karimi, J.H. Park, Y. Min, and **P. W. Waldroup**. 2010. Separate response to Lysine and to Methionine in Broiler Starter Diets. Abstract M207, PSA annual meeting.

C. Lu, F. Yan, C. Coto, A. Karimi, J.H. Park, Y. Min, and **P. W. Waldroup**. 2010. Separate response to Lysine and to Methionine in Broiler Grower Diets. Abstract M210 PSA annual meeting.

F. Mussini, C. Coto, S. Goodgame, C. Lu, **P.W. Waldroup**, A.J. Karimi, and J. Lee. 2010. Effect of CTCZyme  $\beta$ -Mannanase on broiler nutrient digestibility in corn-soybean meal diets for broilers. Abstract T208 PSA annual meeting.

Sandro Cerrate and **Park Waldroup**. 2010. Maximum Profit Feed Formulation. Interaction between Energy Content and Temperature. Abstract 703, PSA annual meeting (Award winner, student competition).

A. Karimi, Y. Min, J.H. Park, C. Coto, C. Liu, A. Hancock, F. Yan, and **P.W. Waldroup**. 2010. Effect of Rovabio® Max AP on energy and nitrogen utilization in diets high in DDGS. Abstract T224 PSA annual meeting.

P. Singh, A. Karimi, **P. W. Waldroup**, and Y.M. Kwon. 2010. Comparative Phylogenetic analysis of gut microbiota of Broilers fed with and without antibiotics. Abstract 107, PSA annual meeting.

Singh, P., A. Karimi, **P.W. Waldroup**, and Y.M. Kwon. 2010. Comparative phylogenetic analysis of gut microbiota of broilers fed with and without antibiotics. Poultry Science Association, Denver, Colorado.

**Wideman, R. F.**, F. Khajali, K. R. Hamal, A. F. Wideman, and H. Lester. 2010. A research model for inducing leg problems in broilers. Poultry Science Association Annual Meeting (Denver, CO) (*abstract*).

Bowen, O. T., **R. F. Wideman**, R. L. Dienglewicz, and G. F. Erf. 2010. Effects of repeated intravenous lipopolysaccharide injection on hematological characteristics of chicken blood. Poultry Science Association Annual Meeting (Denver, CO)(*abstract*). Poult. Scie. Vol. 89, E-Suppl.:50-60.

**Wideman, R. F. Jr.,** N.B. Anthony, G. F. Erf, D. D. Rhoads, K. R. Hamal, D. Cross. 2010. Pulmonary Arterial Hypertension: Avian Model of Complex Vascular Lesion Development. Annual progress report for NIH/NHLBI 1R15HL092517-01.

**Wideman, R. F.,** M. L. Eanes, K. R. Hamal, R. Klintworth, and N. B. Anthony. 2010. Pulmonary vascular pressure profiles in broilers selected for susceptibility to pulmonary hypertension syndrome: Age and gender comparisons. Poultry Science Association Annual Meeting (Denver, CO)(abstract).

**Wideman, R. F.,** K. R. Hamal, F. Khajali, A. F. Wideman, and H. Lester. 2010. A research model for inducing leg problems in broilers. Biomin World Nutrition Forum (Salzburg, Austria) October 13-16. (abstract)

**R. F. Wideman.** March 2010. Final Report Biomin Experiment #1. Contribution of Biomin Probiotic or Litter to Growth and Development of Lameness in Broilers Grown on Wire Flooring (12 pages, 8 photos, 3 figures, 2 tables).

**R. F. Wideman.** March, 2010. Final Report Cobb-Vantress Leg Model Experiment #3. Evaluation of Flat Wire Floors for Exposing Susceptibility to Lameness (24 pages, 19 figures, 7 tables).

**R. F. Wideman.** June, 2010. Final Report Biomin Experiment #2. Efficacy of Biomin Probiotic for Reducing the Incidence of Lameness in Broilers Grown on Wire Flooring (13 pages, 7 photos, 9 figures, 2 tables).

**R. F. Wideman.** June, 2010. Final Report Cobb-Vantress Leg Model Experiment #4. Evaluating Pedigree Progeny from two Lines for Susceptibility to Lameness when Grown on Flat Wire Flooring (34 pages, 12 figures, 6 tables).

**R. F. Wideman.** June, 2010. Annual Progress Report for NIH/NHLBI 1R15HL092517-01 (2009-2010) Pulmonary Arterial Hypertension: Avian Model of Complex vascular lesion Development (6 pages).

K. R. Hamal and **R. F. Wideman.** July, 2010. Final Report Cobb-Vantress SDS Experiment. Sudden Death Syndrome (SDS) Pilot Study: Initial Comparison of SDS-Susceptible Line versus Base Line (27 pages, 4 figures, 6 tables).

**R. F. Wideman.** November, 2010. Final Report Cobb-Vantress Leg Model Experiment #5. Evaluating Susceptibility to Lameness in Broilers from Two Lines Transferred to Wire Flooring or Floor Litter at Different Ages (33 pages, 12 photos, 13 figures, 6 tables).

**R. F. Wideman.** November, 2010. Final Report Biomin Experiment #3. Age of Administering the Biomin Probiotic for Reducing the Incidence of Lameness in Broilers Grown on Wire Flooring (13 pages, 7 figures, 2 tables)

## **Conference abstracts presented at national, international, or regional meetings**

### **Agricultural Economic and Agribusiness**

**Ahrendsen, Bruce L.** 2010. "United States and Arkansas Farm Real Estate: Average Value per Acre of Land and Buildings." Report prepared for USDA/NRCS, Little Rock, AR, August 6: 1 pp.

**Ahrendsen, Bruce L.** 2010. "Key Financial Risks for Producers" Presentation at the annual meeting of the Advisory Council of the Southern Risk Management Education Center, University of Arkansas, Division of Agriculture, Fayetteville, September 9.

**Akaichi, F.,** J. Gil, and **R. M. Nayga, Jr.** 2010. "Measuring Consumers' Willingness-to-pay for Food Products Through the Use of Multi-Unit Auctions." 8th International MAPP Workshop on

Consumer Behavior and Food marketing: "Innovative Methods in Consumer Research,"  
Copenhagen, Denmark, May, 4-5.

**Chavez, E. C., and E. J. Wailes.** 2010. Long-term Baseline Supply and Demand Projections for Selected African Rice Economies, 2010-2019." Paper presented at the 33rd Rice Technical Working Group, Biloxi, Mississippi, February 22-25.

**Chavez, Eddie C. and E. J. Wailes.** 2010. "Analysis of US Rice Policy in a Global Stochastic Framework." Abstract submitted and accepted for presentation at the SAEA 2011 annual meeting in Corpus Christi, Texas

Dennis, R. and **J. Popp.** 2010. "Water Use and Willingness to Pay in a Rapidly Urbanizing Region." Presentation at the Association of American Geographers Annual Meeting . Washington, DC. April 15.

**Dixon, Bruce L., Bruce L. Ahrendsen,** and Latisha A. Settlege. 2010. "A Triple Hurdle Model of U.S. Commercial Bank Use of Guaranteed Loans and Interest Assistance." Presented at Regional Research Committee NC-1177, Federal Reserve Bank of Kansas City, MO, October 1.

Lewis, S. and **J. Popp.** 2010. "Perceptions of and Willingness to Pay for Watershed Ecosystem Integrity in an Ozark Watershed." Presentation at Arkansas Sociological and Anthropological Association. Nov. 12.

**Flanders, Archie.** 2010. "Economic Importance of Food and Fiber Production Industries in the Arkansas Delta Economy, 2008. June.

**Flanders, Archie.** 2010. "Structure of the Arkansas Economy and 2008 Tax Revenue Collections due to the Food and Fiber Sector." June.

**Flanders, Archie** and Fred Bourland. 2010. "Cotton Comments Cotton Yield, Quality, and Revenue: 2009 Arkansas Cotton Variety Test." July.

**Flanders, Archie.** 2010. "Preliminary Economic Outlook for 2010 Arkansas Field Crops." July.

**Griffin, Terry, Brad Watkins, Bob Stark,** Stewart Runsick, Ralph Mazzanti, Chris Grimes, Steve Kelley, Charles E. Wilson, II and Jeremy Ross. 2010. "Estimating Rice and Soybean Yield Potential by Planting Date for Whole Farm Management: Utilizing Observed Data from the Arkansas Research Verification Program." Presentation to the Delta Region Farm Management and Agricultural Policy Working Group, SERA-35 2010 Annual Meeting, South Toledo Bend Park, Anacoco, Louisiana, May 26-28.

**Mane, R., E. J. Wailes,** and **E.C. Chavez.** 2010. "Comparison of 2009 FAPRI, USDA and OECD Rice Baseline Projections." Paper presented at the 33rd Rice Technical Working Group, Biloxi, Mississippi, February 22-25.

Moldenhauer, K., **L. Nalley, B. Watkins,** and J. Gibbons. 2010. "Twenty-five Years of Rice in Arkansas: Impacts and Changes." Paper Presented at the 33rd Rice Technical Working Group meetings. Biloxi, Mississippi. February 22nd-25th.

**Nalley, L., and M. Popp.** 2010. "Modeling the Effects of Cap and Trade and a Carbon Offset Policy on Crop Allocations and Farm Income." Paper presented at the 2010 Agriculture and Applied Economics Association Annual Meetings, Denver, Colorado, July 25-27th.

**Nalley, L., M. Popp,** and C. Fortin. 2010. "How A Cap-and-Trade Policy of Green House Gases Could Alter the Face of Agriculture in the South: A Spatial and Production Level Analysis." Paper presented at the 2010 Southern Agricultural Economics Association Annual Meeting, Orlando, Florida. February 6-9.



**Parsch, Lucas D., Bruce L. Ahrendsen, and Eric J. Wailes.** 2010. "2010 Annual Report: EU-U.S. Double-Degree Program in Rural Development and Agricultural Economics." Prepared for the U.S. Department of Education, Fund for the Improvement of Post Secondary Education, July 15: 17 pp.

**Popp, J.** 2010. "What goes into a Business Plan." Presentation for the Annie's Project Workshop. Heifer Ranch. Perryville, AR May 7.

**Popp, J.** 2010. "Developing a Strong Business Plan for Agricultural Businesses." Presentation at the Arkansas Women in Agriculture Conference, Little Rock AR.

**Popp, J., D. Newton, D. Pittman, D. Danforth** and A. Abdula. 2010. "Comparison of Factors Influencing Salaries of Agricultural Economics Professionals in Academic and Federal Employment." Selected Paper Presentation at the Southern Agricultural Economics Association annual Meeting. Orlando, FL Feb 7-9

**Popp, J., G. Rodríguez,** B. Haywood, H. Friedrich, C. Rom. 2010. "Raspberry and Blackberry Interactive High Tunnel Budgets." Selected Presentation at the 2010 Horticultural Industry Show. Tulsa, OK, January 8-9.

**Rainey, Daniel V., Harjanto Djunaidi,** Stacey W. McCullough, and Biswa R. Das. 2010. "Factors Affecting Arkansas Farm Operators' and Landowners' Decision to Participate in Agritourism". Paper presented at 2010 Southern Agricultural Economics Association Annual Meetings. Orlando, FL, February 6-9.

**Rainey, D. V.,** McCullough, S. W., and Miller, J. D. (team presentation) 2010. "Agritourism Development in Arkansas: Economics and Associated Constraints." Presented at the Economic and Environmental Issues in Arkansas: A Policy Perspective Symposium of the Public Policy Center at the University of Arkansas Cooperative Extension Service. Little Rock AR October 26.

**Rainey, Daniel V.** 2010. "The Time is Now." Winthrop Rockefeller Foundation Panel discussion on Higher Education in Arkansas. Little Rock, AR. November 8.

**Rainey, R., N. Kemper, and J. Popp.** 2010. "Arkansas' MarketMaker. 2010." Galaxy Conference. Petit Jean, AR. Mar 10-12.

**Smith, S. A., M Popp, and L. Nalley.** 2010. "Carbon Offset Payments and Spatial Biomass Supply in Arkansas: Implications of Pine and Switchgrass." Paper presented at the 2010 Challenges of Natural Resource and Economic Policy Meeting. New Orleans, Louisiana, May 26-28.

Thoma, G. D. Nutter, R. Ulrich, D.S. Kim, M. Matlock, **J. Popp, N. Kemper,** Z. Niederman, D. Shonnard, F. Adom, and C. Workman. 2010. Carbon Footprint of Fluid Milk in the US. Presentation at the University of Wisconsin Life Cycle Assessment Meeting February 10.

Thoma, G., **J. Popp,** D. Shonnard, D. Nutter, R. Ulrich, M. Matlock, D.S. Soo, Z. Neiderman, C. East, F. Adom, and **N. Kemper.** 2010. "Regional Analysis of the Global Warming Potential of Milk Production Practices in the United States." Selected Presentation at the LCA FOOD 2010 - VII International Conference on Food LCA. Bari, Italy. Sept 22-24.

#### **Agricultural and Extension Education**

Ahrens, C.R. and **Cox, C.K.** (2010). Arkansas youth leadership life skill development (YLLSD) study. *Poster presented at the 2010 Association of Leadership Educators Conference*, June 20-23, 2010, Milwaukee, WI.

#### **Refereed Oral Conference Presentations**

Amaral, K.N. and **Edgar, L.D.** (2010). Agricultural communication students' perceptions, knowledge and identified sources of information about agritourism. *Presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL.

**Cox, C.K., Edgar, L.E.,** Munise, K.D., **Graham, D.L., Edgar, D.W.,** and **Johnson, D.M.** (2010). Student computer use in undergraduate agriculture courses: A 10-year study. *Poster presented at the Annual Conference of the North American Colleges and Teachers of Agriculture*, June 22-25, 2010, State College, PA. (Peer reviewed: Abstract published in the *NACTA Journal*).

**Edgar, L.D.,** Pennington, K.M., Rutherford, T.A., Doerfert, D., and Murphrey, T.P. (2010). Industry professionals' perceptions of crisis communications education needs for new professionals and best practices for Second Life<sup>®</sup> simulations. *Poster presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL. Selected as Outstanding Faculty Research Poster Presentation.

Glaze, C.D., **Edgar, L.D.,** Rutherford, T.A. and Rhoades, E. (2010). College students' perceptions of rural America based on selected photographs. *Research paper presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL.

Glaze, C.D., **Edgar, L.D.,** Rhoades, E. and Rutherford, T.A. (2010) Visual communications: An analysis of university students' perceptions of rural America based on select photographs. *Research paper presented at the 2010 American Association for Agricultural Education National Research Conference*, May 24-28, 2010, Omaha, NE. and the *Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences*, June 14-17, 2010, St. Louis, MO.

Glaze, C.D., **Edgar, L.D.,** Rutherford, T.A., and Rhoades, E. (2010). How do college students perceive rural America based on media photographs? *Presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL

McGuire, A.C., **Edgar, L.D.** and **Edgar, D.W.** (2010). A philosophical view of teaching and learning in the digital world with an application based for Second Life<sup>®</sup>. *Research paper presented at the Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences*, June 14-17, 2010, St. Louis, MO.

Norton, M.R., **Edgar, L.D.** and **Edgar, D.W.** (2010). Readership habits and needs of a major beef cattle breed association publication. *Research paper presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL.

Pennington, K.M., **Edgar, L.D.,** Rutherford, T.A., and Doerfert, D. (2010). A crisis communications needs assessment of agricultural industry professionals to determine best practices for Second Life<sup>®</sup> simulations. *Research paper presented at the Association of International Agricultural and Extension Education*, May 16-19, 2010, Saskatoon, Saskatchewan, Canada.

Witt, C., Doerfert, D., Rutherford, T.A., and **Edgar, L.D.** (2010). A needs assessment of crisis communications. *Research paper presented at the 2010 American Association for Agricultural Education National Research Conference*, May 24-28, 2010, Omaha, NE.

## **Non-Refereed Oral Conference Presentations**

Davis, J.A., **Johnson, D.M.,** Sadaka, S.S., Skinner, J.V., Cox, R., **Edgar, D.W.,** and **Wardlow, G.W.** (2010). Biodiesel from waste oil and grease: Effects on engine performance, efficiency, and NO<sub>x</sub> emissions. *Paper presented at the Annual International Meeting of the American Society of*

**Edgar, L.D., Miller, J.D.,** McCullough, S.W., and Magee, K.B. (2010, May). Social media and small businesses – Creating marketing strategies in the digital age. *Poster presented at the 2010 American Association for Agricultural Education National Research Conference*, May 24-28, 2010, Omaha, NE.

**Miller, J.D.,** McCullough, S.W., **Edgar, L.D.,** and Magee, K.B. (2010, February). Social media marketing training for rural small business owners. *Poster presented at the 107<sup>th</sup> Southern Association of Agricultural Scientists Agricultural Communications Section Annual Meeting*, February 6-9, 2010, Orlando, FL.

Sallee, C.W., Davis, J.A., **Johnson, D.M., Edgar, D.W.,** and **Wardlow, G.W.** (2010). Effectiveness of a biodiesel education workshop for secondary students. *Paper presented at the Annual International Meeting of the American Society of Agricultural and Biological Engineers*, June 20-23, 2010, Pittsburgh, PA. (ASABE Paper #1008606).

### **Animal Science**

**Apple, J. K.,** J. T. Sawyer, J. F. Muellenet, M. D. Wharton, and J. W. S. Yancey. 2010. Lactic acid enhancement can improve the fresh and cooked beef color of dark-cutting beef. *J. Anim. Sci.* 88(E-Suppl. 3):83.

**Apple, J. K.,** J. T. Sawyer, J. F. Muellenet, M. D. Wharton, and J. W. S. Yancey. 2010. There is little benefit of acid enhancement at a low injection rate on the fresh and cooked color of dark-cutting beef. *J. Anim. Sci.* 88(E-Suppl. 3):82-83.

Keys, C. A., **J. K. Apple,** J. W. S. Yancey, R. J. Stackhouse, L. N. Mehall, and T. M. Johnson. 2010. Quality characteristics of natural branded vs. conventionally-fed, commodity beef *Longissimus* steaks. *Meat Sci.* 86:554.

Keys, C. A., **J. K. Apple,** J. W. S. Yancey, R. J. Stackhouse, T. M. Johnson, and L. N. Mehall. 2010. There is no difference in the color and tenderness of commodity and natural beef. *J. Anim. Sci.* 88(E-Suppl. 3):15.

Gadberry, M. S., P. A. Beck, B. Barham, W. Whitworth, and **J. Apple.** 2010. Does creep feed and backgrounding energy source affect lifetime growth performance and carcass characteristics of nursing calves pastured on annual ryegrass? *J. Anim. Sci.* 88(E-Suppl. 2):70-71.

Machete, J. B., **J. K. Apple,** R. J. Stackhouse, T. M. Johnson, C. A. Keys, and J. W. S. Yancey. 2010. Color stability and tenderness variations within the gluteus medius from beef top sirloin butts. *J. Anim. Sci.* 88(E-Suppl. 3):83.

Stackhouse, R. J., **J. K. Apple,** J. W. S. Yancey, C. A. Keys, T. M. Johnson, and L. N. Mehall. 2010. The impact of citric acid marination pH on visual and instrumental color characteristics of dark-cutting beef. *J. Anim. Sci.* 88(E-Suppl. 3):16.

Stackhouse, R. J., **J. K. Apple,** J. W. S. Yancey, C. A. Keys, and T. M. Johnson. 2010. Effect of enhancement colution pH on the fresh and cooked color of dark cutting beef. *Meat Sci.* 86:557-558.

Stackhouse, R. J., **J. K. Apple,** J. W. S. Yancey, C. A. Keys, and T. M. Johnson. 2010. Citric acid marination can improve the cooked color, but not fresh color, of dark-cutting beef. *Meat Sci.* 86:558.

Tapp, III, W. N., J. W. S. Yancey, **J. K. Apple**, and R. G. Godbee. 2010. The effects of using Noni pulp (*Morinda citrifolia*) on beef patties to enhance color stability. *J. Anim. Sci.* 88(E-Suppl. 3):38-39.

Trusell, K. A., **J. K. Apple**, G. L. Galloway, J. W. S. Yancey, T. M. Johnson, and R. J. Stackhouse. 2010. Fatty acid variations in fresh pork bellies. *J. Anim. Sci.* 88(E-Suppl. 3):39.

Barham, B., P. A. Beck, M. S. Gadberry, W. Whitworth, and **J. Apple**. 2010. Does creep feed and backgrounding energy source affect lifetime growth performance and carcass characteristics of nursing calves pastured on improved warm-season grasses? *J. Anim. Sci.* 88(E-Suppl. 2):71.

Rojas, T. N., **A. H. Brown**, **F. W. Pohlman**, M. A. Brown, P. Dias-Morse. 2010. Effects of sex and diet on beef quality sensory characteristics. *Meat Sci.* 84:554-555.

Rojas, T. N., **A. H. Brown, Jr.**, **F. W. Pohlman**, M. A. Brown, Z. B. Johnson, P. Dias-Morse, L. McKenzie, and L. Mehall. 2010. Effects of breed and diet on beef quality characteristics. *J. Anim. Sci.* Vol. 88 (E-Suppl. 3):1.

Starnes, A.R., **A.H. Brown, Jr.**, **Z.B. Johnson**, **J.G. Powell**, J.L. Reynolds, and **C.F. Rosenkrans, Jr.** 2010. Relationship of fecal egg counts and temperament scores to prolactin promoter polymorphisms in Angus calves. *J. Anim. Sci.* 88(E-Suppl. 3):1.

Ata, M.A., **K.P. Coffey**, J.D. Caldwell, **E.B. Kegley**, M.L. Looper, A.N. Young, D. Philipp, C.P. West, G.F. Erf, D.S. Hubbell III, and **C.F. Rosenkrans Jr.** 2010. Immune function responses by spring and fall-born calves weaned from wild-type or non-toxic endophyte-infected tall fescue. *J. Anim. Sci.* 88(E-Suppl. 2):54.

Caldwell, J., **K. Coffey**, M. Looper, **D. Kreider**, **E. Kegley**, J. Jennings, C. West, D. Hubbell III, J. Tucker, A. Young, T. Hess, M. Popp, M. Savin, D. Philipp, and **C. Rosenkrans Jr.** 2010. Biological parameters by spring and fall-calving cows grazing with full access, limited access, or no access to endophyte infected tall fescue—2 year summary. *J. Anim. Sci.* 88(E-Suppl. 2):54.

Caldwell, J., **K. Coffey**, **D. Philipp**, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, **D. Kreider**, M. Looper, M. Popp, M. Savin, **E. Kegley**, and **C. Rosenkrans, Jr.** 2010. Using limited acreage of non-toxic, novel endophyte-infected tall fescue for spring and fall-calving cows grazing toxic, wild-type endophyte-infected fescue. *J. Anim. Sci.* 88(E-Suppl. 3):12.

Caldwell, J., **K. Coffey**, **D. Philipp**, K. Krehbiel, B. Holland, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, **D. Kreider**, M. Looper, M. Popp, M. Savin, **E. Kegley**, and **C. Rosenkrans, Jr.** 2010. Post-weaning performance by spring and fall-born steers weaned from full access, limited access, or no access to endophyte -infected tall fescue – 2 year summary. *J. Anim. Sci.* 88(E-Suppl. 3):133.

**Coffey, K.**, M. Popp, J. Jennings, M. Savin, **C. Rosenkrans**, M. Looper. 2010. Beef Cattle Supply Chain Impacts of Novel Endophyte Fescue: Tradeoffs between Animal and Forage Performance in the Tall Fescue Region. AFRI Project Directors Meeting, Washington, D.C.

Briggs, B. E., T. G. Montgomery, **K. P. Coffey**, **D. Philipp**, P. B. Francis, J. D. Caldwell, W. A. Whitworth, and A. N. Young. 2010. Performance of Selected Forage Legumes in the Lower Midwest. AFGC Annual Meeting, Springfield, MO.

Caldwell, J., **K. Coffey**, C. West, D. Philipp, J. Jennings, D. Hubbell, III, J. Tucker, A. Young, T. Hess, D. Kreider, M. Looper, M. Popp, M. Savin, **E. Kegley**, and **C. Rosenkrans, Jr.** 2010. Use of novel endophyte fescue for cows. Proc. Am. For. Grassl. Council. June 21-23, Springfield, MO.

**Coffey, K. P.**, L. A. Hardin, A. E. Killion, J. D. Caldwell, **D. Philipp**, W. Coblenz. 2010. Effect of a lactic acid-*lactobacillus* preservative and moisture concentration at baling on intake and

digestibility of crabgrass hay by lambs and in-situ digestibility by heifers. Proc. Am. For. Grassl. Council. June 21-23, 2010, Springfield, MO.

Bass, B. E., J. W. Frank, **Z. B. Johnson**, J. H. Lee, **C. V. Maxwell**. 2010. Effect of dietary mannanase supplementation on pig growth performance. J. Anim. Sci. 88(E-Suppl. 3):98.

Moubarak, A.S., **Z.B. Johnson**, M.L. Looper, D. Holtz, and **C.F. Rosenkrans, Jr.** 2010. Effect of simultaneous exposure of ergot alkaloids on cytochrome P450 system. J. Anim. Sci. 88(E-Suppl. 3):18.

Hawley, J., J. D. Caldwell, **E. B. Kegley**, and **K. P. Coffey**. 2010. Comparison of management strategies commonly used to lessen or alleviate the symptoms of fescue toxicosis in cattle using meta-analysis. J. Anim. Sci. Vol. 88 (E-Suppl. 2):55.

Hawley, J., **E. B. Kegley**, **K. P. Coffey**, T. E. Davis, and J. A. Hornsby. 2010. Effects of dried distillers grains on performance of stocker cattle grazing bermudagrass. J. Anim. Sci. Vol. 88 (E-Suppl. 3):24.

Richeson, J. T., and **E. B. Kegley**. 2010. Pre-arrival management of newly received beef calves with or without exposure to a persistently infected bovine viral diarrhea virus type I calf affects health, performance, bovine viral diarrhea virus type I titers, and circulating leukocytes. J. Anim. Sci. Vol. 88 (E-Suppl. 2):740.

Richeson, J. T., **E. B. Kegley**, B. L. Vander Ley, and J. F. Ridpath. 2010. Pre-arrival management of newly received beef calves with or without exposure to a persistently infected bovine viral diarrhea virus type I calf affects health, performance, bovine viral diarrhea virus type I titers, and circulating leukocytes. Proc. 2010 Plains Nutrition Council Spring Conf., April 22-23, San Antonio, TX. p. 117

Richeson, J. T., **E. B. Kegley**, and T. J. Wistuba. 2010. Influence of supplemental calcium and feeding fish oil on growth performance and fatty acid composition of muscle of grazing calves. J. Anim. Sci. Vol. 88( E-Suppl. 3):139.

Hatungimana, Eric, **D. W. Kellogg**, K. S. Anschutz, and **A. H. Brown, Jr.** 2010. Effect of treatment of selected mature forages with sodium hydroxide on in vitro dry matter degradability. J. Anim. Sci. 88(E-Suppl.):19. (Abstr.) (Presented at the Southern Section of ASAS, Orlando, FL)

Popp, Jeannie, Greg Thoma, Rick Ulrich, M. Matlock, **W. Kellogg**, Z. Clayton-Niederman, N. Kemper, R. Pilgrim, D. Shonnard, and F. Adom. Factors Influencing the Green House Gas Footprint of US Dairy Farms. Presented at the Annual Meeting of the Agricultural & Applied Economics Association, Denver, CO, July 25-27, 2010.

Frank, J. W., C. L. Bradley, B. E. Bass, **C. V. Maxwell**, R. D. Boyd, and J. L. Usry. 2010. Effect of environment on the tryptophan:lysine ratio in nursery pigs. J. Anim. Sci. 88(E-Suppl. 3):87.

Bradley, C. L., **C. V. Maxwell**, **Z. B. Johnson**, J. L. Usry, and J. W. Frank. 2010. Effect of replacing fish meal with synthetic amino acids or soy protein concentrate in nursery diets containing distillers dried grains with solubles. J. Anim. Sci. 88 (E-Suppl. 3):113.

**Philipp, D.**, Popp, M., **Coffey, K.**, Savin, M., Jennings, J. 2009. Beef cattle production on grass-legume mixes: Economic implications of establishment methods. AFRI Project Directors Meeting, Washington, D.C.

Kanani, J., **D. Philipp**, **K. P. Coffey**, A. N. Young, R. Rhein, and J. D. Caldwell. 2010. Nutritive value of pearl millet hay as affected by moisture concentration and bale sampling depth. J. Anim. Sci. 88(E-Suppl. 2):56.

McDaniel, J. A., P. N. Dias-Morse, **F. W. Pohlman**, A. H. Brown, Jr., Anand Mohan, T. Rojas, L. N. Mehall. 2010. Effect of sequential dipping treatments of hydrochloric acid/citric acid together with cetylpyridinium chloride, and Trisodium phosphate on microbial properties of inoculated beef. *Meat Sci.* 86:559.

McKenzie, L. M., **F. W. Pohlman**, **A. H. Brown**, **Z. B. Johnson**, P. Dias-Morse, T. N. Rojas, C. M. Rojas, L. N. Mehall. 2010. Effects of strip loin beef steaks dipped into potassium lactate and Trisodium phosphate incorporated into gelatin coating systems for cook loss, shear force, and sensory taste characteristics. Institute of Food Technologist Annual Meeting, Chicago, IL, Abstract 139-01.

McKenize, L. M., **F. W. Pohlman**, **A. H. Brown**, **Z. B. Johnson**, P. Dias-Morse. 2010. Effects of strip loin beef steaks dipped into potassium lactate and Trisodium phosphate incorporated into gelatin coating systems for sensory color characteristics. Institute of Food Technologists Annual Meeting, Chicago, IL, Abstract 141-02.

Mehall, L. N., **F. W. Pohlman**, **A. H. Brown, Jr.**, P. N. Dias-Morse, L. M. McKenzie. 2010. The effects of cetylpyridinium chloride, trisodium phosphate, potassium lactate, sodium metasilicate, or water as antimicrobial interventions on microbiological characteristics of *biceps femoris*. Institute of Food Technologist Annual Meeting, Chicago, IL, Abstract 038-10.

Mehall, L. N. **F. W. Pohlman**, **A. H. Brown, Jr.**, P. N. Dias-Morse, L. M. McKenzie. 2010. The impact of cetylpyridinium chloride, trisodium phosphate, potassium lactate, sodium metasilicate, or water as antimicrobial interventions on instrumental color characteristics of *biceps femoris*. Institute of Food Technologist Annual Meeting, Chicago, IL, Abstract 041-06.

Mehall, L. N., **F. W. Pohlman**, **A. H. Brown, Jr.**, P. N. Dias-Morse, J. A. McDaniel. 2010. The effects of cetylpyridinium chloride, Trisodium phosphate, potassium lactate, sodium metasilicate, or water as multiple antimicrobial interventions on microbiological and instrumental color characteristics of beef *biceps femoris* muscles. *Meat Sci.* 86:559.

**Powell, J. G.**, T. J. Wistuba, and **E. B. Kegley**. 2010. Effects of supplemental poultry fat on calves grazing bermudagrass pasture. *J. Anim. Sci.* Vol. 88 (E-Suppl. 2):139.

**Powell, J.G.**, **R.W. Rorie**, T.D. Lester. 2010. Comparison of long-term CIDR-based estrous synchronization protocols on estrous response and conception rates in postpartum beef cows. Proceedings of 43<sup>rd</sup> Annual Conference of the American Association of Bovine Practitioners. Albuquerque, NM. Aug 19-21, 2010.

**Powell, J.G.**, Gunter, S.A., Tucker, C.A., Reynolds, J.L., **Johnson, Z.B.** 2010. Coprological evaluation of pour-on and injectable formulation of moxidectin in beef cattle. American Association of Veterinary Parasitologists Proceedings. Atlanta, GA. 85:77-78. July 30-Aug 3, 2010.

Robinette, J.A., B.C. Williamson, R. Flores, J.B. Woolley, C.R. Bailey, L.M. Tharel, J.R. King, D.M. Burner, P. Carver, W.K. Coblenz, T.J. Wistuba, **C.F. Rosenkrans, Jr.**, and M.L. Looper. 2010. *In situ* ruminal kinetics of DM and NDF disappearance for the biomass forages Amur silvergrass and big bluestem. *J. Anim. Sci.* 88(E-Suppl. 3):37.

Williamson, B.C., **C.F. Rosenkrans, Jr.**, S.T. Reiter, J.D. Thompson, M.A. Sales, and M.L. Looper. 2010. Identification of single nucleotide polymorphisms of the lactate dehydrogenase-B gene and association with cow and calf performance. *J. Anim. Sci.* 88(E-Suppl. 3):10.

**Rosenkrans, C., Jr.**, A. Banks, S. Reiter, L. Starkey, and M. Looper. 2010. Associations between heat shock protein 70 genetic polymorphisms and calving rates of brahman-influenced cows. *Reprod. Fert. Develop.* 22:281.

**Rosenkrans, C., Jr.,** M. Roe, M. Brown, Z. Johnson, H. Brown, and M. Looper. 2010. Association of single nucleotide polymorphisms within the bovine heat shock protein 70 gene and calving rates. *Reprod. Fert. Develop.* 22:280.

**Yazwinski, T.A.,** C.A. Tucker, **J. Powell,** J. Reynolds. 2010. Current considerations and findings relative to helminth control in beef and dairy cattle in the USA. pg. 88 of Proceedings of 25<sup>th</sup> Annual Southwest Nutrition & Management Conference, Tempe, Arizona. Feb 25-26, 2010.

### **Biological and Agricultural Engineering**

**Bajwa, S. G.,** and J. A. Apple. 2010. "Non-linear modeling of quality of cooked ground beef patties with visible-NIR spectroscopy." In: "Food Engineering", B. C.Siegler (Ed). Nova Science Publishers, Inc., Hauppauge, New York. ISBN 978-1-61728-913-2.

**Bajwa, S. G.** and S. S. Kulkarni. 2010. "Hyperspectral Data Mining." In: "Hyperspectral Remote Sensing of Vegetation," P.S. Thenkabail, J. G. Lyon and A.Huete (Eds). ISBN 978-1-4398453-7-0, CRC Press.

**Griffis, C.,** and Tareq Osaili. 2009. Control of Thermal Meat Processing, Chapter 9. Edited by Fidel Toldra. *Safety of Meat and Processed Meat*. Springer. ISBN 978-0-387-89026-5

Migliaccio, K.W., J. Castro, and **B.E. Haggard.** 2010. Chapter 13 "Water Quality Statistical Analysis", Editors: Y. Li and K.W. Migliaccio, *Water Quality Concepts, Sampling, and Analyses*, CRC Press Taylor and Francis Group, LLC. pp. 241-274.

**B.E. Haggard** and J.T. Scott. 2010. Chapter 3 "Water Quality Standards: Designated Uses and Numeric Criteria Development", Editors: Y. Li and K.W. Migliaccio, *Water Quality Concepts, Sampling, and Analyses*, CRC Press Taylor and Francis Group, LLC. pp. 21-40.

**Matlock, M.** and R. Morgan, 2011. "Ecological Engineering Design." John Wiley & Sons (March 2011), 328 pages, 16 chapters. ISBN-10: 0470345144 ISBN-13: 978-0470345146.

Luoni, S., **M. Matlock.** 2010. "Low Impact Development: a design manual for urban areas." UA Press. UA Community Design Center, Fayetteville, AR. ISBN: 978-0-9799706-1-0.

**Ye, K.** and Sha Jin, 2010. "Directed Differentiation of Human Embryonic Stem and Patient-Specific Stem Cells into Lineage-Specific Cells for Regenerative Medicine", Humana Press, USA, scheduled to be published in Spring 2010.

**Osborn, G. S.,** G. Richardson, M. Matlock, A. McCain. 2010. "Oxygenation of Lake Hypolimnion without Thermocline Disruption using New SDOX System." North American Lake Management Society. 2010 Annual Meeting. Oklahoma City, OK

### **Crop, Soil and Environmental Sciences**

Akbudak, M.A., **V. Srivastava.** 2010. Gene Dosage Dependent Expression from Direct Repeat Locus in Rice Developed by Site-Specific Gene Integration. *In Abstr. Society of In Vitro Biology Mtg.*, St Louis, 06-11 Jun.

Alcober, E.A.L., **N.R. Burgos,** A.L. Rauh, B. Rauh, T.M. Tseng, K.L. Smith. 2010. EPSPS Gene Sequence Variations in Palmer Amaranth from Different Geographies and Farming Systems. SWSS *In Abstr.* Vol. 63:185. Accessible at <http://www.swss.ws/NewWebDesign/Proceedings/>

Alcober, E.A.L., **N.R. Burgos,** and J.A. Beall. 2010. Effectiveness of Cotton Herbicides on Glyphosate-Resistant Palmer Amaranth Populations in Arkansas. *In Abstr. AR Crop Prot. Asso. Res. Conf.* 14:4.

Asfahl, K.L., and **M.C. Savin**. 2010. Persistence of Broad-Host-Range Plasmids in Municipal Wastewater Treatment Plants Utilizing Chlorination and UV-Irradiation Disinfection Regimes. *In* 110th General Mtg Abstr. Am. Soc. Microbiol. [CD-ROM]

**Bell, Chase**, Lawrence R. Oliver, and Mohammad T. Bararpour. 2010. Weed Control Programs in Soybean. *Abstr. AR Crop Prot. Assoc.* 14:14-15.

Branson, J.D., **C.E. Wilson, Jr.**, S.K. Runsick, D.L. Frizzell, R.J. Norman, N.E. Slaton, and R. Mazzanti. 2010. Trends in Arkansas Rice Cultural Practices. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

**Burgos, N.R.**, V.K. Shivrain, L. English, E. Gbur, M.A. Sales, F. Lamago, E. Bradley. 2010. Field Scale Pollen Flow from 'CL171' Herbicide-Resistant Rice to Conventional Rice in Arkansas. *In* WSSA Abstr. Vol. 50. Accessible at <https://srm.conference-services.net/reports/>

**Burgos, N.R.** and C. Mallory-Smith. 2010. Gene Flow and Herbicide Resistance. *In* WSSA Abstr. Vol. 50.

**Burgos, N.R.**, T.M. Tseng, V.K. Shivrain, M.A. Sales, E.A. Alcober, L.R. Oliver, and R.C. Scott. 2009. ACCase Mutation Profile of Herbicide-Resistant Ryegrass in Arkansas. *In* WSSA Ann. Mtg. Abstr. Vol. 49.

DeLong, R.E., **N.A. Slaton**, R.J. Norman, B.R. Golden, and C.E. Wilson, Jr. 2010. Evaluation of Poultry Litter as a Phosphorus and Potassium Fertilizer Source for Rice Production. *In* RTWG Abstr.. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

Dickson, J.W., **R.C. Scott**, N.R. Burgos, and B.M. Davis. 2010. Distribution and Control of Glyphosate-Resistant Ryegrass in Arkansas. *In* Abstr. AR Crop Prot. Asso. Res. Conf. 14:5. Accessible at <http://acpanews.com/conference/abstracts/>

Eberle, M.A., C.S. Rothrock, **N.A. Slaton**, and R.D. Cartwright. 2010. Soil Salinity Increases Rice Seedling Disease Severity Caused by Phytium Species. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

Estorninos, L. Jr., **N.R. Burgos**, D. Motes, E.A. Alcober, T.M. Tseng, P. Sapkota. 2010. Efficacy and Crop Safety of Spartan Charge on Cowpea Applied Preplant or Preemergence. *In* WSSA Abstr. Vol. 50. Accessible at <https://srm.conference-services.net/reports/>

Fogliatto, S., **N.R. Burgos**, T.M. Tseng, D.R. Gealy, H.R. Black, A. Ferrero. 2010. Loss of Red Rice Seed Dormancy in Response to Fall Flooding and Burial Depth. *In* SWSS Abstr. Vol. 63:186. Accessible at <http://www.swss.ws/NewWebDesign/Proceedings/>

Frizzell, D.L., M.W. Duren, **C.E. Wilson, Jr.**, R.J. Norman, N.A. Slaton, and J.D. Branson. 2010. Accuracy of the Arkansas DD50 Rice Program in Predicting Panicle Differentiation in Northeast Arkansas. *In* RTWG Abstr. 33rd Mtg., Biloxi, MS. 22-25 Feb.

Frizzell, D.L., **R.J. Norman**, C.E. Wilson, Jr., N.A. Slaton, and J.D. Branson. 2010. Accuracy of the Arkansas DD50 Program in Predicting Panicle Differentiation in Northeast Arkansas. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

Golden, B.R., **N.A. Slaton**, R.J. Norman, R.E. DeLong, and C.E. Wilson, Jr., 2010. Nitrification Contributions to Nitrogen Losses from Preflood Applied Urea in Delayed Flood Rice Culture. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.



Guerber, C.A., D. Panka, **C.P. West**, and M.D. Richardson. 2010. Susceptibility of tall fescue to *Rhizoctonia zeae* Infection as Affected by Endophyte Strain. *In* Abstr. of 7th Int. Symp. Fungal Endophytes of Grasses [CD-ROM]. 27 Jun.-01 Jul., Lexington, KY.

Lamego, F., **N.R. Burgos**, R. Vidal. 2010. Competitive Ability of ALS-Resistant and -Susceptible *Bidens Subalternans*. *In* WSSA Abstr. Vol. 50. Accessible at <https://srm.conference-services.net/reports/>

Lawson, K.W. and **J. Kelley**. 2010. Ten Year Summary of the Arkansas Corn and Grain Sorghum Research Verification Program. *In* Abst. National Assoc. of County Agricultural Agents Mtg., Tulsa, OK. Jul.

Li, S., A. Wrather, **P. Chen**, and J. Rupe. 2010. Research Update on Screening Germplasm and Breeding for Resistance to Phomopsis Seed Decay in Soybean. *In* Abstr. of the 37th Ann. Mtg. of the Southern Disease Workers Pensacola Beach, FL, 10-11 Mar. p 24.

Marsh, Matthew, **D. Longer**, R. Norman, J. Kelley, and J. Skinner. 2010. *In* Abst. Winter Field Pea as a Leguminous Cover Crop in Corn Production. *In* Abst. [CD-ROM] ASA Ann. Mtg., Long Beach, CA. 31 Oct.-03 Nov. Available at <http://a-c-s.confex.com/crops/2010am/webprogram/Paper58226.html>

Marsh, M., **D. Longer**, R. Norman, J. Kelly, and J. Skinner. 2010. Winter Field Pea as a Leguminous Cover Crop in Corn Production. *In* Abstr. [CD-ROM]. 2010 Joint Ann. Mtg. 31 Oct. - 03 Nov. Long Beach, CA.

**Mozaffari, M.**, N.A. Slaton, and C.G. Herron. 2010. Cotton Response to Urea and Organic Sources of Nitrogen. 2010. *In* Abstr. of Beltwide Cotton Conf.. New Orleans, LA. 04-09 Jan. [CD-ROM]. Nat'l Cotton Coun.. Memphis TN.

**Mozaffari, M.**, N.A. Slaton, C.G. Herron, S.D. Carroll. 2010. Corn and Cotton Response to Biosolids and Poultry Manure in Two Precision Leveled Fields. *In* Abstr. [CD ROM]. 2010 ASA S. Reg. Br. Ann. Mtg. 07-08 Feb. ASA, Orlando, FL.

**Mozaffari, M.** and N.A. Slaton. 2010. Corn and Cotton Response to Biosolids and Poultry Manure in Two Precision Leveled Fields. *In* Abst. of Southern Branch of ASA Mtg. Orlando. FL. [CD-ROM]. ASA, CSSA, and SSSA. Madison, WI.

**Mozaffari, M.** and N. A. Slaton. 2010. Corn Response to Biosolids and Poultry Litter in East Arkansas. *In* Abstr. of International Mtg of the ASA. Long Beach, CA. 31 Oct. - 03 Nov. [CD-ROM]. ASA, CSSA, and SSSA. Madison, WI.

Nandy, S., **V. Srivastava**. 2010. Dosage Dependent Gene Expression from Direct Repeat Locus in Rice Developed by Site-Specific Gene Integration. Abstr. Pres. at the Ann. ABI Symp. Little Rock, AR, Oct.

Nandy, S., **V. Srivastava**. 2010. FLP-Mediated Site-Specific Gene Integration in Rice. *In* Abstr. Ann. Mtg. of Society of *In Vitro* Biology, St Louis, 06-11 Jun.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton, and C.E. Wilson, Jr. 2010. Utility of Urease and Nitrification Inhibitors in Preventing Nitrogen Loss and the Development of a Soil-Based Nitrogen Test. *In* Abstr. 2010 Forest Nutrition Cooperative Workshop and Contact Mtg.. 09-10 Jun. Monticello, AR.

**Norman, R.J.**, A.J. Enochs, T.L. Roberts, N.A. Slaton, C.E. Wilson, Jr., D.L. Frizzell, and J.D. Branson. 2010. Nitrogen Content in Floodwater of Drill Seeded, Delayed Flood Rice Following Urea Fertilization. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

**Norman, R.J.**, A.M. Fulford, T.L. Roberts, N.A. Slaton, and C.E. Wilson, Jr. 2010. Development of a Soil-Based Nitrogen Test for Clay Soils. *In* Abstr. [CD-ROM]. 2010 Joint Ann. Mtg. 31 Oct.-03 Nov. Long Beach, CA.

**Norman, R.J.**, Enochs, A.J., Roberts, T.L., Slaton, N.A., Wilson, Jr., C.E., Frizzell, D.L., and Branson, J.D. 2010. Nitrogen Content in Floodwater of Drill-Seeded, Delayed-Flood Rice Following Fertilization at Preflood and Midseason. *In* RTWG Abstr.. 33rd Mtg., Biloxi, MS. 22-25 Feb.

**Norsworthy, J.K.** and N.R. Burgos. 2010. Resistance of Amazon Sprangletop to Cyhalofop and Fenoxaprop. SWSS Abstr. Vol. 63:188. Accessible at <http://www.swss.ws/NewWebDesign/Proceedings/>

**Roberts, T.L.**, Norman, R.J., Walker, T.W., Harrell, D.L., and McCauley, G.N. 2010. Across Soils and State Boundaries: Evaluation of N-ST\*R, A Soil-Based Nitrogen Test for Midsouth Rice Production. *In* RTWG Abstr. 33rd Mtg., Biloxi, MS. 22-25 Feb.

**Roberts, T.L.**, N.A. Slaton, J. Kelley and R.J. Norman. 2010. A Soil-Based Nitrogen Test for Arkansas Wheat Production: A New Approach to an Age-Old Problem. *In* Mid-South Assoc. of Wheat Scientists Abstr. 25th Mtg., Olive Branch, MS.

**Roberts, T.L.**, Norman, R.J., Slaton, N.A., Wilson, Jr., C.E., and Fulford, A.M. 2010. Field Validation of N-ST\*R: A Precision Nitrogen Management Tool for Direct-Seeded, Delayed-Flood Rice. *In* RTWG Abstr. 33rd Mtg., Biloxi, MS. 22-25 Feb.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton, A. M. Fulford, and R.E. DeLong. 2010. Short-Term Influence of Crop Rotation on Wheat Yield and Alkaline-Hydrolyzable Nitrogen. *In* Abstr. [CD-ROM]. 2010 Joint Ann. Mtg.. 31 Oct.- 03 Nov. Long Beach, CA.

**Roberts, T.L.**, Norman, R.J., Walker, T.W., Harrell, D.L., and McCauley, G.N. 2010. Across Soils and State Boundaries: Evaluation of N-ST\*R, A Soil-Based Nitrogen Test for Midsouth Rice Production. *In* RTWG Abstr.. 33rd Mtg., Biloxi, MS. 22-25 Feb.

**Roberts, T.L.**, R.J. Norman, A. M. Fulford, N.A. Slaton, and C.E. Wilson, Jr. 2010. Field Validation of N-ST\*R: A Soil-Based Nitrogen Test for Silt Loam Soils. *In* Abstr. [CD-ROM]. 2010 Joint Ann. Mtg. Long Beach, CA. 31 Oct. - 03 Nov.

Salas, R.A., **N.R. Burgos**, T.M. Tseng, L.E. Estorninos, Jr., and E.A.L. Alcober. 2010. Evaluation of Italian Ryegrass Resistance to Pinoxaden by Petri Plate Bioassay. *In* Abstr. AR Crop Prot. Asso. Res. Conf. 14:8.

Salas, R.A., **N.R. Burgos**, E.A.L. Alcober, R. Lassiter, and R.C. Scott. 2010. Multiple Resistance to ACCase- and ALS Inhibitors in Italian Ryegrass. *In* SWSS Abstr. Vol. 63:187.

**Savin, M.C.**, K.J. Davis, E. Gbur, and D.C. Wolf. 2010. Disruptive or Uncivil Behaviors in the College Classroom. *In* Ann. Mtg. Abstr. ASA, CSSA, SSSA, Madison, WI. Abstr. 59783. 1-5 Nov. 2010. Long Beach, CA.

**Savin, M.C.** 2010. Achieving Change in Undergraduate Science Education. CSA News. 55:48-50.

**Savin, M.C.**, K.J. Davis, E. Gbur, and D.C. Wolf. 2010. Disruptive or Uncivil Behaviors In The College Classroom. *In* Ann. Mtg. Abstr. ASA, CSSA, SSSA, Madison, WI. Abstract 59783. 01-05 Nov. Long Beach, CA.

Schaedler, C.E., J.A. Noldin, D.S. Eberhardt, and **N.R. Burgos**. 2010. Cross Resistance to ALS-Inhibitor Herbicides in *Fimbristylis miliacea* under Field Conditions in Southern Brazil. *In* Abstr. AR Crop Prot. Asso. Res. Conf. 14:10.

Siddon, U., **L. Purcell**, and M. Mozaffari. 2010. Calibration of Image Analysis for In-Season Corn N Fertilization. *In* Abstr. AR Crop Prot. Assoc. Research Conf.. Fayetteville, AR. 29-30. Nov. P. 14.

**Slaton, N.A.**, R.E. DeLong, R.J. Norman, and C.E. Wilson, Jr. 2010. Rice Yield and Nutrient Uptake as Affected by Phosphorus and Potassium Fertilization in the Fall, Winter, and Spring. *In* RTWG Abstr. [CD ROM]. 33rd Mtg., Mississippi State Univ., Biloxi, MS. 22-25 Feb. LSU, Crowley, LA.

**Slaton, N.A.**, R.E. DeLong, B. Gordon. 2010. Evaluation of the Nitrogen Fertilizer Value of Poultry Litter for Winter Wheat in Arkansas. *In* Abstr. [CD ROM]. 2010 ASA S. Reg. Br. Ann. Mtg. 07-08 Feb. ASA, Orlando, FL.

**Smith, K.L.**, J.K. Norsworthy, N.R. Burgos. 2010. Seed Production, Soil Seed Bank, and Emergence of Barnyardgrass (*Echinochloa crus-galli*) as Influenced by Cropping Systems. *In* WSSA Abstr. Vol. 50. Accessible at <https://srm.conference-services.net/reports/>

Stiegler, J.C., M. Richardson, J. B. Murphy, **D. Oosterhuis**, D. Karcher, and R.J. Norman. 2010. *In* Abstr. [CD-ROM]. 2010 Joint Ann. Mtg.. 31 Oct.- 03 Nov. Long Beach, CA.

Tomlinson, P.J., and **M.C. Savin**. 2010. Nitrogen in Soil Amended with Toxic and Novel Endophyte Infected Tall Fescue as Influenced by Earthworms. *In* Ann. Mtg Abstr. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

Tseng, T.M., **N.R. Burgos**, E.A.L. Alcober, V.K. Shivrain, L.E. Estorninos, Jr., P. Sapkota. 2010. Effects of Herbicide and Maturation Stage on Sugar Content of Sweet Sorghum. *In* SWSS Abstr. Vol. 63:189.

Tseng, T.M., **N.R. Burgos**, L.E. Estorninos, and E.A.L. Alcober. 2010. Efficacy and Crop Safety of Preplant and Preemergence Herbicides for Sweet Sorghum. *In* Abstr. AR Crop Prot. Asso. Res. Conf. 14:9. Accessible at [http://acpanews.com/conference/Abstr./](http://acpanews.com/conference/Abstr/)

Watkins, K.B., J.A. Hignight, **R.J. Norman**, T.L. Roberts, N.A. Slaton, C.E. Wilson, Jr. and D.L. Frizzell, 2010. Calculation of Economic Optimum Nitrogen Application Rates for Arkansas Rice. *In* RTWG Abstr. 33rd Mtg., Biloxi, MS. 22-25 Feb.

**West, C.P.**, A.J. Ashworth, J. Kiniry, D. Spanel, and K.R. Brye. 2010. Calibrating ALMANAC for Simulating Switchgrass Production in Arkansas. *In* Ann. Mtg.s Abstr. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

**West, C.P.**, Guerber, C.A., J.L. Underwood, D.P. Malinowski, and B.C. Grigg. 2010. Biochemical Responses of Drought-Stressed Summer Dormant and Summer Active Tall Fescue with Endophyte Infection. *In* Abstr. of 7th Int. Symp. Fungal Endophytes of Grasses [CD-ROM]. 27 Jun.-01 Jul. Lexington, KY.

**West, C.P.**, J.L. Underwood, D.P. Malinowski, B.C. Grigg, and C.A. Guerber. 2010. Survival of Summer Dormant and Summer Active Tall Fescue in Relation to Endophyte Presence. *In* Abstr. 7th Int. Symp. Fungal Endophytes of Grasses. 27 Jun.-01 Jul. Lexington, KY.

**West, C.**, A. Ashworth, J. Kiniry, D. Spanel, and K. Brye. 2010. Calibrating ALMANAC for Simulating Switchgrass Production in Arkansas. *In* Ann. Mtg Abstrs. [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

**Wilson, Jr., C.E.,** Frizzell, D.L., Branson, J.D., Norman, R.J., and Slaton, N.A. 2010. Influence of Seeding Date on Yield of Selected Rice Cultivars in Arkansas. *In* RTWG Abstr. 33rd Mtg., Biloxi, MS. 22-25 Feb.

### Entomology

**Barnes, J. K.** 2010. Azalea lace bug. University of Arkansas Arthropod Museum Notes 78.

**Barnes, J. K.** 2010. Chiggers. University of Arkansas Arthropod Museum Notes 77.

**Barnes, J. K.** 2010. Confused flour beetle. University of Arkansas Arthropod Museum Notes 79.

**Barnes, J. K.** 2010. Elm sawfly. University of Arkansas Arthropod Museum Notes 70.

**Barnes, J. K.** 2010. Glow-worm. University of Arkansas Arthropod Museum Notes 71.

**Barnes, J. K.** 2010. Golden digger wasp, great golden digger. University of Arkansas Arthropod Museum Notes 69.

**Barnes, J. K.** 2010. Nine-spotted lady beetle. University of Arkansas Arthropod Museum Notes 76.

**Barnes, J. K.** 2010. Pennsylvania leatherwing. University of Arkansas Arthropod Museum Notes 74.

**Barnes, J. K.** 2010. Pinching bug. University of Arkansas Arthropod Museum Notes 73.

**Barnes, J. K.** 2010. Red imported fire. University of Arkansas Arthropod Museum Notes 72.

**Barnes, J. K.** 2010. Southern armyworm. University of Arkansas Arthropod Museum Notes 75.

**Dowling, A.P.G., R. J. Sayler and R. D. Cartwright.** 2010. Genetic characterization of the panicle rice mite, *Steneotarsonemus spinki* (Acari: Tarsonemidae). 2009 B.R. Wells Rice Research Studies.

**Sayler, R. J., C. Walker, T. L. Kirkpatrick, R. Robbins and F. L. Goggin.** 2010. Detection of reniform nematode by conventional and real-time PCR. *Phytopathology*, 110:S114.

**Garcia, M. E., D. T. Johnson, I. E. Tzanetakis, T. Kirkpatrick and C. I. Vincent.** 2010. Cultural problems facing the blueberry industry in Arkansas. *Proceedings OK & AR Horticulture Industries Show* 29:97-98.

**Johnson, D., B. Lewis, A. Knutson and F. Pontasch.** 2010. Management of green June beetles and Japanese beetles in fruit. *Proceedings OK & AR Hort. Industries Show* 29:73-77.

**Rom, C. R., J. McAfee, H. Friedrich, D. Johnson, E. Garcia and J. Popp.** 2010. Early performance of an organic apple orchard as affected by nutrient source and ground cover management. *Proceedings OK & AR Horticulture Industries Show* 29:80-83.

**Rom, C. R., H. Friedrich, J. McAfee, D. Johnson, E. Garcia and J. Popp.** 2010. Opportunities and challenges for high tunnel fruit production in the Arkansas-Oklahoma. *Proceedings OK & AR Horticulture Industries Show* 29:68-71.

**Hopkins, J., and P. McLeod.** 2010. Insect pest management in the home garden. University of Arkansas Cooperative Extension Service FSA 7510. 4 p.

**McLeod**, P. 2010. Evaluation of foliar insecticides for corn earworm management on sweet corn, 2009. Arthropod Management Tests, E27.

**McLeod**, P. 2010. Evaluation of insecticides for control of corn earworm on snap bean, 2009. Arthropod Management Tests, E20.

**Szalanski**, A. L., J. Whitaker and P. Cappy. 2010. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. American Bee Journal, 150:508 (abstract).

### **Horticulture**

**Clark**, J. R., Strik, B. C., Thompson, E., Finn, C. E. 2010. Progress and Challenges in Primocane-Fruiting Blackberry Breeding and Cultural Management. Intl. Hort. Congress Abstracts 51:S01.006. (abstr.)

Bassil, N.; Gilmore, B., Iezzoni, A., Verde, I., Sosinski, B., Arus, P., Gasic, K., Fazio, G., **Clark**, J., Byrne, D., Gradziel, T., Main, D., Peace, C., Morgante, M. 2010. A Coordinated Approach for SNP Discovery in Peach in RosBREED. Intl. Hort. Congress Abstracts 51:S01.006. (abstr.)

Gasic, K., Brown, S., Byrne, D., **Clark**, J., Davis, T., Evans, K., Finn, C., Gradziel, T., Hancock, J., Luby, J., Oraguzie, N., Bassil, N., Fazio, G., Main, D., McFerson, J., Peace, C., van de Weg, E., Weebade, C., Yue, C., Iezzoni, A. 2010. Marker-Assisted Breeding Enabled by Rosbreed. Intl. Hort. Congress Abstracts 51:S04.304. (abstr.)

Iezzoni, A., C. Peace, N. Bassil, G. Fazio, J. Luby, D. Main, C. Weebadde, C. Yue, E. van de Weg, M. Bink, S. Brown, D. Byrne, J. **Clark**, C. Crisosto, T. Davis, K. Evans, C. Finn, K. Gallardo, K. Gasic, T. Gradziel, J. Hancock, R. Jussaume, V. McCracken, N. Oraguzie, G. Reighard, A. Stone, M. Taylor, D. Wang, and K. Xu. 2010. RosBREED: Enabling marker-assisted breeding in Rosaceae. Plant & Animal Genome XVIII, San Diego, CA. (abstr.)

Luby, J., C.E. Finn, K. Gasic, A. Iezzoni, N. Oraguzie, S.K. Brown, D.H. Byrne, J. R. **Clark**, C.H. Crisosto, T.M. Davis, K. Evans, T. Gradziel, J.F. Hancock, N.V. Bassil, G. Fazio, D. Main, C. Peace, C.K. Weebadde, E. van de Weg, C. Yue. 2010. Protocols for Fruit Quality Traits in RosBREED. HortScience 45: S55. (abstr.)

McFerson, J., Bassil, N., Bink, M., Brown, S., Byrne, D., **Clark**, J., Crisosto, C., Davis, T., Evans, K., Fazio, G., Finn, C., Gallardo, K., Gasic, K., Gradziel, T., Hancock, J., Jussaume, R., Luby, J., Main, D., McCracken, V., Oraguzie, N., Peace, C., Reighard, G., Stone, A., Taylor, M., Weg van de, E., Wang, D., Weebadde, C., Xu, K., Yue, C., and Iezzoni, A. Intl. Hort. Congress Abstracts 51:S11.054. (abstr.)

Peace, C., Bassils, N. Bink, M., Brown, S., Byrne, D., **Clark**, J., Crisosto, C., Davis, T., Evans, K., Fazio, G., Finn, C., Gallardo, K., Gasic, K., Gradziel, T., Hancock, J., Jussaume, R., Luby, J., Main, D., McCracken, V., McFerson, J., Oraguzie, N., Reighard, G., Stone, A., Taylor, M., Weg van de, E., Wang, D., Weebadde, C., Xu, K., Yue, C., and Iezzoni, A. 2010. RosBREED: Enabling Marker-Assisted Breeding in Rosaceae. Intl. Hort. Congress Abstracts 51:S04.050. (abstr.)

Peace, C., N.V. Bassil, M. Bink, S.K. Brown, D.H. Byrne, J.R. **Clark**, T.M. Davis, K. Evans, G. Fazio, C.E. Finn, K. Gasic, T. Gradziel, J. Hancock, J. Luby, N. Oraguzie, E. van de Weg, D. Wang, K. Xu, A. Iezzoni. Rosbreed's Marker-assisted Breeding Pipeline. HortScience 45: S54. (abstr.)

Perkins-Veazie, P. **Clark**, J., Collins, J., Magby, S. 2010. Postharvest Storage and Antioxidants in Fresh Market Blackberry Fruit Perkins-Veazie. Intl. Hort. Congress Abstracts 51:S01.308. (abstr.)

Sandefur, P., J.R. **Clark**, and D. **Karcher**. 2010. Characterization and inheritance assessment of fruit and leafshape in unique *Vitis* seedlings. HortScience 45:486. (abstr.)

Sleezer, S. and J.R. **Clark**. 2010. Postharvest evaluation of Prime-Ark®45 primocane-fruiting blackberry. HortScience 45:514. (abstr.)

Bozzolo, A., M. **Evans**, and G. Ponchia. 2010. Germination and growth of seedlings in peat-based substrates amended with Nature's Natural Dairy Manure Product. Proceedings of the International Society for Horticultural Science. Lisbon, Portugal. Abst.S09.317.

Sambo, P., A. Bassan, and M.R. **Evans**. 2010. Use of fresh rice hulls and anerobic digestion residues as growing media alternative to peat. Proceedings of the International Society for Horticultural Science. Lisbon, Portugal. Abst.Sm04.007.

Sambo, P., F. Roncolato, and M.R. **Evans**. 2010. Comparison among different methods to extract soil-water from containerized substrates. Proceedings of the International Society for Horticultural Science. Lisbon, Portugal. Abst.S15.263.

**Garcia**, M. E., L. P. Berkett, R. E. Moran, T. L. Bradshaw, and S. L. Kingsley-Richards Top-Grafting: A viable alternative when changing cultivars in an apple orchard? .2010. 28th International Horticulture Congress. Lisbon, Portugal. (Abst.and E-poster).  
Strunk, W., D. **Karcher**, A. Patton, and M. Richardson. 2010. Golf shot quality is affected by ball lie. Int. Ann. Meet. p. 60812. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

Trappe, J., D. **Karcher**, M. Richardson, and A. Patton. 2010. Divot resistance varies among bermudagrass and zoysiagrass cultivars. Int. Ann. Meet. p. 59358. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

**Richardson**, M., D. **Karcher**, A. Patton, and J. McCalla. 2010. Golf ball lie in bermudagrass and zoysiagrass: Cultivars can affect golf ball lie. Golf Course Management 78(6):p. 86-90.

Anderson, J., D. **Karcher**, M. **Richardson**, and A. Patton. 2010. Planting method affects the establishment quality of sports turf. Int. Ann. Meet. p. 60799. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

Moseley, D., A. Patton, J. Trappe, M. **Richardson**, and D. **Karcher**. 2010. Performance of St. Augustinegrass cultivars in the transition zone. Int. Ann. Meet. p. 60582. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

Patton, A., M. **Richardson**, D. **Karcher**, and J. Trappe. 2010. Zoysiagrass performance in Arkansas as influenced by nitrogen rate, mowing height, and cultivar. Int. Ann. Meet. p. 59692. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

Stiegler, J., M. **Richardson**, J. B. **Murphy**, D. Oosterhuis, D. **Karcher**, and R. Norman. 2010. Influence of leaf cuticular wax amount and composition on foliar-applied nitrogen absorption by creeping bentgrass. Int. Ann. Meet. p. 61729. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

Stiegler, J. C., M. D. **Richardson**, D. E. **Karcher**, and A. J. Patton. 2010. Foliar nutrient uptake by cool-season and warm-season turfgrasses: University of Arkansas research lends insight into understanding turfgrass foliar feeding. USGA Green Section Record 48(1):p. 7-9.

Patton, A., J. Trappe, M. **Richardson**, and E. Nelson. 2010. Herbicides for seashore paspalum seedlings: Several herbicides can be safely applied to control weeds in seashore paspalum seedlings. Golf Course Management 78(2):p. 98-102.

Young, J., M. **Richardson**, and D. Karcher. 2010. Evaluating ball mark severity and recovery using digital imaging analysis. Int. Ann. Meet. p. 59910. Abstracts: 2010 International Annual Meetings [ASA/CSSA/SSSA].

**Rom**, C.R. 2010. Alternative Methods of Ground Cover and Nutrition Management for Organic Orchards. Presented at the 3<sup>rd</sup> International Congress on Organic Temperate Fruit Production. Gautemec, Mexico. (Invited Presentation)

**Rom**, C. R. 2010. The Challenges and Opportunities for Organic Tree Fruit Production. Presented at the 3<sup>rd</sup> International Congress on Organic Temperate Fruit Production. Gautemec, Mexico. Keynote address

**Rom**, C.R., E. Garcia, D. Johnson, J. Popp, and H. Friedrich. 2010 Double cropping primocane blackberries in high tunnels. Presented at the International Horticultural Congress, Lisbon, Portugal.

Johnson, D. S. Kim, C. **Rom**, B. Lewis, J. McAfee, and H. Friedrich. 2010. Successes and challenges with organic apple production in Arkansas. Entomol. Soc. of America.

### **Plant Pathology**

**Bluhm BH**. 2010. The genomics of *Cercospora soja*: The molecular basis of resistance. *Invited Presentation (Keynote Address)*, Primer Encuentro Internacional de Políticas Académicas y Científico-Tecnológicas (1<sup>st</sup> International Conference of Science, Technology, and Academic Policy) Universidad Nacional del Noroeste de la Provincia de Buenos Aires (UNNOBA), Pergamino, Buenos Aires, Argentina.

**Bluhm BH**. 2010. Perception and modification of biopolymers by filamentous fungi: Towards the metabolic engineering of fungi to complement plant-based bioproduction strategies. *Invited Presentation*, Arkansas Plant Powered Production Center Annual Meeting, Petit Jean, AR.

Ridenour JB and **Bluhm BH**. 2010. Functional Characterization of a Family of Transcriptional Regulators – CCAAT-binding Factors – in the Plant Pathogenic Fungus *Fusarium verticillioides*. Poster Presentation, Arkansas Academy of Sciences Annual Meeting, Little Rock, AR.

Castroaguidin, V. L., Cartwright, R. D., and **Correll, J. C.** 2010. Multilocus analysis of *Rhizoctonia solani* and related species associated with rice sheath blight in Arkansas. Phytopathology 100:S22.

Feng, C., **Correll, J. C.**, and Bluhm, B. H. 2010. A spinach BAC library for marker development, gene discovery, and functional genomics. Phytopathology 100:S35.

Wang, W., Iglesia-Garcia, A., duToit, L., Bluhm, B. H., and **Correll, J. C.** 2010. Effect of limestone on development of Verticillium wilt of spinach. Phytopathology 100:S142.

Iglesias-Garcia, A., Feng, C., du Toit, L., Subbarao, K., and **Correll, J. C.** 2010. Virulence and molecular characterization of *Verticillium* species from spinach. Phytopathology 100:S53.

Zhai, L. Feng, C., Cartwright, R. D., and **Correll, J. C.** 2010. Genotypic and phenotypic diversity of *Pyricularia oryzae* in the contemporary rice blast pathogen population in Arkansas. Phytopathology 100:S145.

Welch, K. D., **Correll, J. C.**, and Gavin, J. C. 2010. Rice Grafting as a disease management tool for Fusarium wilt of heirloom tomatoes in Arkansas. Phytopathology 100:S135.

Haygood, R. A., A. J. Fordice, J. J. Busacca, **Terry L. Kirkpatrick**, and W. Scott Monfort., 2010. Utilization of precision agriculture to develop site specific treatment of nematodes in the north delta. P. 67, IN: Proceedings of the Beltwide Cotton Conferences, 2010. National Cotton Council of America. Memphis, TN. (Abstract).

Ma, Jianbing, J. Jaraba, **Terry L. Kirkpatrick**, and Craig S. Rothrock. 2010. Changes in root architecture caused by *Meloidogyne incognita* and *Thielaviopsis basicola* and their interaction on cotton. P. 294, IN: Proceedings of the Beltwide Cotton Conferences, 2010. National Cotton Council of America. Memphis, TN. (Abstract).

**Kirkpatrick, T.L.** 2010. Nematodes in cotton. Crittenden Co. Cotton Meeting. Black Oak. Feb. 18.

**Kirkpatrick, T.L.**, R.T. Robbins, R.W. Cartwright, R.J. Bateman, K. Hurst, and J.C. Robinson. 2010. Delivering nematology courses to traditional and nontraditional students at the University of Arkansas. Dale Bumpers College of Agricultural, Food, and Life Sciences Jack Justice Teaching Symposium. Fayetteville. Aug. 18.

Ma, J., J. Jaraba-Navas, **T. Kirkpatrick**, and C. Rothrock. 2010. Quantifying changes in root architecture caused by *Meloidogyne incognita*, *Thielaviopsis basicola* or their combination on cotton. 2010 APS Annual Meeting. August 7-11. Charlotte, NC.

Sayler, R.J., **T.L. Kirkpatrick**, R.T. Robbins, and R.D. Cartwright. 2010. Detection of reniform nematode by conventional and real-time PCR. 2010 APS Annual Meeting. August 7-11. Charlotte, NC.

**Korth, K.L.**, Nakata, P.A., McGehee, Jr., R.E., & Nagarajan, R. (2010) Physical characteristics of calcium oxalate crystals as determinants in structural defense against chewing insects in *Medicago truncatula*. In: Proceedings of the XIV International Congress of Molecular Plant-Microbe Interactions.

**Milus, E.A.** 2010. Squeezing the bottleneck: A new paradigm for managing cereal rusts. Borloug Global Rust Initiative Technical Workshop, St. Petersburg, Russia.

Horevaj, P., Moon, D., and **Milus, E.A.** 2010. Deoxynivalenol level in wheat grain highly associated with percentage of scabby grain caused by *Fusarium graminearum*. International Wheat Conference, St. Petersburg, Russia.

**Milus, E.A.**, Moon, D., and Rohman, P. 2010. Efficient selection for low DON levels in wheat. Page 151 in: Proceedings of the 2010 National Fusarium Head Blight Forum, Milwaukee, WI.

**Milus, E.A.**, Moon, D., and Rohman, P. 2010. Usefulness of greenhouse evaluations as a predictor of wheat head blight resistance in the field. Page 152 in: Proceedings of the 2010 National Fusarium Head Blight Forum, Milwaukee, WI.

Bradley, C. A., Adee, E. A., Ebelhar, S. A., Dill-Macky, R., Wiersma, J. J., Grybauskas, A. P., Kirk, W. W., McMullen, M. P., Halley, S., **Milus, E. A.**, Osborne, L. E., Ruden, K. R., and Young, B. G. 2010. Multi-state uniform fungicide evaluations for control of Fusarium head blight and associated mycotoxins. Page 74 in: Proceedings of the National Fusarium Head Blight Forum, Milwaukee, WI.

**Milus, E.A.** 2010. Update on stripe rust in the Midsouth. Midsouth Association of Wheat Scientists. Olive Branch, MS

**Robbins, R. T.** and Weimin Ye. 2010. Morphological comparison of *Xiphinema bakeri* populations from Arkansas. Journal of Nematology 42:

**Robbins, R. T.** and Weimin Ye. 2010. Morphological comparison of *Xiphinema chambersi* populations from Arkansas. Journal of Nematology 42:

**Robbins, R. T.** and Weimin Ye. 2010. Morphological comparison of *Xiphinema krugi* from Arkansas, Hawaii and North Carolina. Journal of Nematology 42:



Cordero, M., **R. T. Robbins**, and A. L. Szalanski. 2010. Molecular characterization of nematodes in the suborder criconematina using 18s gene sequences of nuclear ribosomal DNA. *Journal of Nematology* 42:

**Robbins, R. T.**, E. Shipe, P. Arelli, P. Chen, G. Shannon, L. E. Jackson, E. E. Gbur, D. G. Dombek, C. Overstreet and J. Velie. 2010. Reniform nematode reproduction on soybean cultivars and breeding lines in 2009. *Proceedings of the Beltwide Cotton Conferences*, New Orleans.

**Rothrock, C. S.**, S. A. Winters, J. D. Barham, A. B. Beach, M. B. Bayles, J. Caceres, P. D. Colyer, T. Kelley, R. C. Kemeraït, K. S. Lawrence, G. B. Padgett, P. M. Phipps, G. L. Sciumbato, R. Thacker, and J. E. Woodward. 2010. Report of the cottonseed treatment committee for 2009. 2010 Beltwide Cotton Conferences.

Bennett, R. S., E. A. Holmes, R. M. Davis, P. D. Colyer, K. S. Lawrence, J. E. Woodward, A. A. Bell, G. W. Lawrence, **C. S. Rothrock**, R. J. Wright. 2010. Progress report on a contemporary survey of the *Fusarium* wilt fungus in the United States. 2010 Beltwide Cotton Conferences.

Jaraba, J., J. Ma, **C. S. Rothrock**, and T. L. Kirkpatrick. 2010. Influence of soil bulk density on the interaction between *Meloidogyne incognita* and *Thielaviopsis basicola* on cotton. 2010 Beltwide Cotton Conferences.

Ma, J., J. Jaraba, T. L. Kirkpatrick, and **C. S. Rothrock**. 2010. Changes in root architecture caused by *Meloidogyne incognita* and *Thielaviopsis basicola* and their interaction on cotton. 2010 Beltwide Cotton Conferences.

Eberle, M. A., **C. S. Rothrock**, N. A. Slaton, and R. D. Cartwright. 2010. Soil salinity increases rice seedling disease severity caused by *Pythium* species. *Proceedings of the 33rd annual meeting of the Rice technical working group*.

**Rothrock, C. S.** 2010. Arkansas state report. S-1028: Ecological and genetic diversity of soilborne pathogens and indigenous microflora.

Rupe, J. C., **C. S. Rothrock**, and R. Cartwright. 2010. Annual Report- Effects of genotype on severity of charcoal rot and yield in soybean. Soybean Board.

Rupe, J. C., **C. S. Rothrock**, T. L. Kirkpatrick, M. Popp, and R. Cartwright. 2010. Annual Report- Control of seedling disease by fungicide seed treatment and cultivar selection and effect of plant population and seed treatment fungicide on stand and yield. Soybean Board.

**Rothrock, C. S.**, F. N. Lee, R. Cartwright, and J. Gibbons. 2010. M Evaluation of *Pythium* resistant cold-tolerant genotypes, fungicide and insecticide seed treatments and soil salinity on rice stand establishment. Rice Board.

**Rothrock, C. S.**, and W. S. Monfort. 2010 Prescription management of aerial blight on soybean by understanding inoculum and disease distribution patterns. Soybean Board.

**Rothrock, C. S.** 2010 Developing a disease screening protocol for the evaluation of cultivars for resistance to *Phytophthora*

**Rothrock, C. S.** 2010. Arkansas state report. Cotton Foundation Cotton Seedling Disease Committee.

Cox, M., and **C. S. Rothrock**. 2010 Importance of brassica soil amendments for managing soilborne disease in ornamentals and vegetables. SARE final report Project# GS07-061

Spurlock, T. N., **C. S. Rothrock**, and W. S. Monfort. 2010. Evaluation of selective media and selective chemicals on the isolation of *Rhizoctonia* spp. from soil. Annual meeting of the American Phytopathological Society, August 7-11 Charlotte, NC.

**Rothrock, C. S.**, S. A. Winters, J. D. Barham, A. B. Beach, M. B. Bayles, J. Caceres, P. D. Colyer, T. Kelley, R. C. Kemeraite, K. S. Lawrence, G. B. Padgett, P. M. Phipps, G. L. Sciumbato, R. Thacker, and J. E. Woodward. 2010. Report of the cottonseed treatment committee for 2009. 2010 Beltwide Cotton Conferences, New Orleans, LA, January 4-7, 2010.

**Rothrock, C. S.** Arkansas state report. Cotton Foundation Cotton Seedling Disease Committee. December 7-8, Savannah, GA.

Li, S., **J. Rupe**, P. Chen, and A. Wrather. 2010. Screening germplasm for resistance to *Phomopsis* seed decay in soybean. *Phytopathology* (Supplement): 100: S70 (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

Li, S., A. Wrather, P. Chen, and **J. Rupe**. 2010. Research update on screening germplasm and breeding for resistance to *Phomopsis* seed decay in soybean. In Abstracts of the 37th Annual Meeting of the Southern Disease Workers (Pensacola Beach, FL, March 10-11, 2010) pp 24. 2010.

Li, S., **J. Rupe**, P. Chen, and A. Wrather. 2010. Screening germplasm for resistance to *Phomopsis* seed decay in soybean. *Phytopathology* (Supplement): 100: S70 (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

Li, S., A. Wrather, P. Chen, and **J. Rupe**. 2010. Research update on screening germplasm and breeding for resistance to *Phomopsis* seed decay in soybean. In Abstracts of the 37th Annual Meeting of the Southern Disease Workers (Pensacola Beach, FL, March 10-11, 2010) pp 24. 2010.

**Rupe, J.**, C. Rothrock, M. Avanzato. 2010. Characterization of *Pythium* and *Fusarium* species associated with soybean seeds and seedlings. (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

Doubleday, M., **J. Rupe**, C. Rothrock, S. Bajwa, A. Steger, and R. Holland. 2010. Effects of environment and cultivar on charcoal rot development in soybeans. (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

Cochran, K.A., **J. Rupe**, A. Steger, and R. Holland. 2010. Relationship of fungal and bacterial seed microflora to soybean seed vigor. 2010. (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

Urrea, K., **J. Rupe**, and C. Rothrock. 2010. Identification of seedling pathogens from soybean planted in field soils at three temperatures. 2010. (2010 Annual meeting of the American Phytopathological Society, August 7-11, 2010, Charlotte, NC).

**Rupe, J.C.**, K.A. Brown, R.D. Cartwright, A.J. Steger, and R.T. Holland. 2010. Effect of cultivar, foliar fungicide, and harvest on seed infection of soybean in Arkansas, USA. (Proceedings of the Third International Symposium on Seed Health in Agricultural Development, The Sixth National Symposium on Seed Pathology, August 25-27, 2010, Beijing, P.R. China).

**D.O. TeBeest**. 2010. Infection of rice by *Ustilaginoides virens*. *Phytopathology* 100:S125. (Abstract). American Phytopathological Society. Charlotte, NC. Aug. 7-11

Kanrar, S., M. Afunian, G. Greer, **I.E. Tzanetakis** and G. Vidalakis. 2010. Molecular characterization of viruses associated with yellow vein and vein enation disease of citrus. 18<sup>th</sup> IOCV meeting, November, 2010, Campinas, Sao Paulo, Brazil.

**Tzanetakis I.E.** 2010. Arkansas soybean virus report. NCERA-200 annual meeting, November 2010, Ames, IA.

**Tzanetakakis, I. E.,** A. Cortez, J. Zhou, B. Poudel, R.C. Larsen, and W.M. Wintermantel. 2010. Epidemiology of two *Diodia virginiana* criniviruses. APS 2010 annual meeting, August 2010, Charlotte, NC.

Sabanadzovic, S. and **I.E. Tzanetakakis.**2010. A new ilarvirus from subgroup 1 infects ligustrum. APS 2010 annual meeting, August 2010, Charlotte, NC.

Poudel, B., W. M. Wintermantel, S. Sabanadzovic, and **I.E. Tzanetakakis.** 2010. Epidemiological studies on Blackberry yellow vein associated virus. APS 2010 annual meeting, August 2010, Charlotte, NC.

Laney, A., R. Gergerich, K. Keller, R.R. Martin, and **I.E. Tzanetakakis.** 2010. Rose rosette and Redbud yellow ringspot agents are caused by two new emaraviruses. APS 2010 annual meeting, August 2010, Charlotte, NC.

Garcia, M.E, C.I. Vincent, D.T. Johnson, and **Tzanetakakis, I.E.** 2010. 2010. Cultural Problems Facing the Blueberry Industry in Arkansas. 2010 ASHS meeting, August 2-5, Palm Desert, CA

**Tzanetakakis, I.E.** 2010. Soybean vein necrosis virus threatens production in the South. Southern Soybean Disease

Laney, A., R. Gergerich, and **I.E. Tzanetakakis.** 2010. Redbud yellow ringspot disease: Thirty years of research. APS Southern Division 2010 meeting, February 2010, Orlando, FL

#### **Poultry Science**

**Anthony, N. B.,** I. D. Harford, and H. O. Pavlidis, Divergent selection for muscle color in chickens. Fifty-ninth Annual National Breeders Roundtable Proceedings, St. Louis, Missouri, USA. 2010.

Aggrey, S. E., A. B. Kamush, B. Sebastian and **Anthony, N.B.** Genetic properties of feed efficiency parameters in meat-type chickens. Proceedings of the World Congress of Genetics as applied to livestock production, Germany. 2010.

**Anthony, N.B.,** G.F. Erf, R.F. Wideman, D.D. Rhoads. Genetic Analysis of Regions on Chromosome Z for Contribution to Pulmonary Hypertension and Ascites in the Chicken. Arkansas Academy of Science, Little Rock, AR, April 2010.

AK Al-Rubaye, **Anthony, N.B.,** G. F. Erf, RF Wideman, and DD Rhoads. Using Quantitative PCR to Investigate Three Candidate Genes Related to Pulmonary Hypertension in the Chicken. Plant and Animal Genome, San Diego, CA, Jan 2010.

S Krishnamoorthy, D. D. Rhoads, and **Anthony, N.B.** Identification of Microsatellite Markers Associated with Ascites Susceptibility in Commercial Broilers. Plant and Animal Genome, San Diego, CA, Jan 2010.

**Bottje, W.,** A. Wolfenden, L. Ding, R. Wolfenden, M. Morgan, N. Pumford, K. Lassiter, G. Duncan, T. Smith, T. Slagle, and B. Hargis. Improved hatchability and post-hatch performance in turkey poults receiving a dextrin-iodinated casein solution in ovo. Poult. Sci. PSA Annual Meeting (Denver, CO July 11-15). 2010.

**Bramwell, R. K.,** D. E. Yoho, J. M. Moyle, and S. M. Whipple, Comparing the physiological capacity for fertility in caged broiler breeder hens from four commercial strains. Poultry Science Association National Scientific Meeting. Denver, Colorado, July, 2010.

**Bramwell, R. K.,** D. E. Yoho, J. M. Moyle, and S. M. Whipple, The effects of body weight on production and overall fertility and duration of fertility in broiler breeder hens. Poultry Science Association National Scientific Meeting. Denver, Colorado, July, 2010.

Moyle, J. R., D. E. Yoho, S. M. Whipple, and **R. K. Bramwell**, Sperm production and testicular development of broiler breeder males reared on shortened growth cycles. Poultry Science Association National Scientific Meeting. Denver, Colorado, July 2010.

Moyle, J. R., D. E. Yoho, S. M. Whipple, and **R. K. Bramwell**, Mating behavior and fertility of broiler breeder males reared on shortened growth cycles. International SPSS meetings (International Scientific Meeting), Atlanta, GA, January 2010.

Malloy, M. N., M. E. Freeman, **R. K. Bramwell**, S. M. Whipple, J. R. Moyle, D. E. Yoho, and A. J. Davis, 2010. Expression of the mRNA for zona pellucida proteins B1, B2 and C in four genetic lines of broiler breeder hens. International SPSS meetings (International Scientific Meeting), Atlanta, GA, January, 2010.

Cadde, U., **Chapman, H.D.**, Rathinam, T., and Erf, G. F. Acquisition of immunity to the protozoan parasite *Eimeria adenoeides* in turkey poult and the peripheral blood leukocyte response to a primary infection (page 77). Southern Conference on Avian Diseases, International Poultry Scientific Forum, , Atlanta, GA., January 25, 2010.

Rathinam, T., and **Chapman H. D.** Resistance of field isolates of *Eimeria* to the anticoccidial drugs amprolium, clopidol, diclazuril, and monensin in the turkey (Page 78). Southern Conference on Avian Diseases, International Poultry Scientific Forum, Atlanta, GA. January 25, 2010.

**Chapman, H. D.** Forty years of monensin for the control of coccidiosis. European Coccidiosis Discussion Group Meeting, , Veterinary Laboratories Agency, Weybridge, UK, May 27, 2010.

**Chapman, H. D.** Utilizacion de las drogas en la prevencion y control de la coccidiosis y su resistencia. 1era Jornada internacional en sanidad intestinal y coccidiosis aviar. Santa Cruz, Bolivia, March 26, 2010.

**Chapman, H. D.** Utilizacion correcta de las vacunas y sus características. 1era Jornada internacional en sanidad intestinal y coccidiosis aviar, Santa Cruz, Bolivia, March 27, 2010.

Gadde, U., T. Rathinam, **H. D. Chapman**, G. F. Erf. Leukocyte profile of turkeys infected with *Eimeria adenoeides* and development of immunity during subsequent challenge. Pages 323-324. In: Proceedings of the XXVII Annual Conference and National Symposium of Indian Poultry Science Association., Chennai, India, September 16-18, 2010.

T. Rathinam, and **H. D. Chapman**. Resistance of field isolates of *Eimeria* to the anticoccidial drugs amprolium, clopidol, diclazuril and monensin in the turkey. Pages 331-332. In: Proceedings of the XXVII Annual Conference and National Symposium of Indian Poultry Science Association, Chennai, India, September 16-18, 2010.

**Chapman, H. D.**, Drugs, vaccines, and natural products for coccidiosis control. Pages 38-41. In: Carolina Feed industry Association 37<sup>th</sup> Poultry Nutrition Conference, Research Triangle Park, NC., November 10, 2010.

**F.D. Clark**, C.A. Tucker, J. Reynolds, T.A. Yazwinski, S. Clark, V. Smith, K. Dobson. Effect of feeding nitarson medicated ration on the acquisition and development of nematode parasites in the chicken. 2010 ADSA-PSA-AMPA-CSAS-ASAS Joint Annual Meeting. Denver, CO. July 10-15, 2010.

**F. D. Clark** and R. K. Bramwell. 2010. Testicular abnormalities in *Gallus gallus* males (poster) J. R. Moyle, S. M. Whipple, ADSA-PSA-AMPA-CSAS-ASAS Joint Annual Meeting. Denver, CO. July 10-15, 2010.

Moyle, J. R., S. M. Whipple, **F. D. Clark** and R. K. Bramwell, Testicular abnormalities in *Gallus gallus* var. domesticus males. Poultry Science Association National Scientific Meeting. Denver, Colorado, July 2010.

Whipple, S. M., J. R. Moyle, D. E. Yoho, **F. D. Clark**, and R. K. Bramwell, Effect of pre-incubation storage conditions on the two week livability and performance of broilers. International SPSS meetings (International Scientific Meeting), Atlanta, GA, January, 2010.

Reyes-Herrera, I and **D.J. Donoghue**. Basic Food Microbiology. University of Arkansas Short Course, Tyson's Headquarters, Springdale, Arkansas, 2010.

**Donoghue, D.J.**, Reyes-Herrera, I., Metcalf, J.H., Blore, P.J. and M.J. Schneider. Blood tissue relationships to predict antibiotic residues concentrations in poultry tissues. Sixth International Symposium on Hormone and Veterinary Drug Residue Analysis Conference. Ghent, Belgium, 2010.

**Donoghue, D.J.**, Reyes-Herrera, I, Blore, P.J. and A.M. Donoghue. Selection of enteric microflora for potential use as a probiotic against the foodborne pathogen, *Campylobacter* in poultry. International Scientific Conference on Probiotics and Prebiotics - IPC2010. Kosice, Slovakia. 2010.

Metcalf, J.H., Reyes-Herrera, I., Blore, P., Moore Jr, P.A., Donoghue, A.M., Hanning, I. Ricke, S.C. and **D.J. Donoghue**. Development and validation of methods for the recovery of *Salmonella* and *Campylobacter* from watershed runoff after poultry litter application. Watershed Research Conference, Hilton Head, S.C, 2010.

Donoghue, A.M., Fanatico, A.C., Reyes-Herrera, I., Venkitanarayanan, and **Donoghue, D.J.** Mechanisms of pathogen control in the digestive tract of poultry with organic production implications. Organic and Specialty Poultry Workshop, Midwest Poultry Federation Proceedings. pp. 9. St. Paul, MN , 2010.

**Donoghue, D.J.**, Ventikanaryanan, K.Reyes-Herrera, I., Anup, J., Fanatico, A.C. and Donoghue, A.M. Natural solutions to pathogens and gut health. Organic and Specialty Poultry Workshop, Midwest Poultry Federation Proceedings. pp. 6. St. Paul, MN, 2010.

**Erf, G. F.** NE-1034 "Genetic Bases for Resistance and Immunity to Avian Diseases". Technical Committee Meeting; research presentation, Univ. of Delaware, (10/2010).

**Erf, G. F.** "Environmental triggers of vitiligo expression in vitiligo-susceptible Smyth line chickens." Meeting of the Pan-American Society for Pigment Cell Research, Vancouver, Canada (9/2010) (oral presentation).

**Erf, G. F.** "Immunopathology in autoimmune vitiligo in the Smyth line chickens: a role of IL-21?" Avian Immunology Research Group Meeting, Budapest, Hungary (10/2010) (oral presentation).

Krishnamoorthy, S., A. A. Al Rubaye, N. Friti, C. Smith, J. Russell Burks, A. Ley, N. Brooke Peoples, A. Chinn, P. Greenburgh, **G. F. Erf**, R. F. Wideman, Anthony, N. B., D. D. Rhoads. Pulmonary arteriole hypertension in the chicken: Genetic and histopathological similarities to human. ABI conference, 2010.

S. Shivaramaiah, NR Pumford, MJ Morgan, RE Wolfenden, AD Wolfenden, G. Téllez, **BM Hargis**. Evaluation of candidate *Bacillus subtilis* (PHL- NP122) spores for reduction of *Salmonella* incidence and improved performance in chicks and poults International Poultry Scientific Forum Georgia World Congress Center. Atlanta, Georgia. January 25 - 26, 2010.

G. Tellez, A. Wolfenden, J. Higgins, S. Higgins, A. Torres, J. Vicente and **B. Hargis** Field Studies with Selected Lactic Acid Bacterial Probiotics for Poultry. 59th Western Poultry Disease

Conference. Vancouver, BC, Canada. 19 – 21 April 2010.

RE Wolfenden, NR Pumford, M Morgan, S. Shivaramaiah, AD Wolfenden, GI Tellez, **BM Hargis**. Evaluation of candidate *Bacillus* probiotics (DFM) during commercial turkey brooding. 59th Western Poultry Disease Conference. Vancouver, BC, Canada. 19 – 21 April 2010.

S. Shivaramaiah, J. R. Barta, S. L. Layton, R. E. Wolfenden, **B. M. Hargis**, G. Tellez. *Salmonella* as a predisposing factor to *Eimeria*-induced Necrotic Enteritis: evaluation of selected probiotics interventions". 59th Western Poultry Disease Conference. Vancouver, BC, Canada. 19 – 21 April 2010.

M. Morgan, A.D. Wolfenden, G. Tellez, **B.M. Hargis**. Field Evaluation of a Bacterin/Toxoid for the Control of Gangrenous Dermatitis in Turkeys. 59th Western Poultry Disease Conference. Vancouver, BC, Canada. 19 – 21 April 2010.

AD Wolfenden, G. Tellez, **BM Hargis** Effect of Selected Organic Acids and Probiotics on *Salmonella enteritidis* (SE) Infection in Broiler Chicks. 59th Western Poultry Disease Conference. Vancouver, BC, Canada. 19 – 21 April 2010.

C. Peterson, M. L. Wood, N. J. Booth, M. Morgan, N. Pumford, G. Tellez, and **B. M. Hargis**. Feeding Lactobacillus spp. and Bacillus spp. does not improve growth or survival of channel catfish experimentally challenged with *Edwardsiella ictaluri*. 2010 Joint Annual Meeting (PSA, ASAS, ADSA), Denver, Colorado, July 11-15, 2010.

**M. Hargis**, G. Tellez, R. E. Wolfenden, S. Shivaramaiah, A. D. Wolfenden, S. E. Higgins, and T. E. Porter. Probiotics: Current limitations and future potential in commercial poultry. Effect of a Lactobacillus probiotic and nitrate in feed on *Salmonella* colonization in broiler chicks. 2010 Joint Annual Meeting (PSA, ASAS, ADSA) Denver, Colorado, Denver, Colorado, July 11-15, 2010.

S Shivaramaiah, J. R. Barta, S. L. Layton, M. J. Morgan, R. E. Wolfenden, **B. M. Hargis**, and G Tellez. Evaluation of a reproducible model for necrotic enteritis in broilers and analysis of NetB toxin profiles of different field isolates of *Clostridium perfringens*. 2010 Joint Annual Meeting (PSA, ASAS, ADSA), Denver, Colorado. July 11-15, 2010.

S. E. Higgins, A. D. Wolfenden, G. Tellez, **B. M. Hargis**, and T. E. Porter. Genome-wide analysis of cecal gene expression in *Salmonella*-challenged and probiotic-treated neonatal chicks. 2010 Joint Annual Meeting (PSA, ASAS, ADSA) Denver, Colorado, July 11-15, 2010.

Khatiwara, A., **B. M. Hargis**, and Y. M. Kwon. 2010. Development of a method to enhance the surface display of an epitope in bacteria vectored vaccine for necrotic enteritis. 110<sup>th</sup> General Meeting of the American Society for Microbiology, San Diego, CA. May 23-27, 2010.

**Kuenzel, W.J.** Electrical and gas stunning of poultry. National Assn. of Federal Veterinarians, Ozarks Chapter, Springdale, AR., 2010.

**Kuenzel, W.J.**, J. Xie and A. Jurkevich. Brain structures activated by sexual and agonistic behavior in male broiler breeders. USDA Multistate Meeting, S1047, Fayetteville, AR, Oct. 20-22, 2010.

Kim, J. N., and **Y. M. Kwon**. 2010. Characterization of RyhB-target interaction by random point mutagenesis. 110<sup>th</sup> General Meeting of the American Society for Microbiology, San Diego, CA, May 23-27, 2010.

Calhoun, L. N., and **Y. M. Kwon**. 2010. The ferritin-like protein Dps protects against the Fenton-mediated killing mechanism of bactericidal antibiotics in *S. Enteritidis*. 110<sup>th</sup> General Meeting of the American Society for Microbiology, San Diego, CA. May 23-27, 2010.

Zhao, J., R. Wang, T. Jiang, **Y. M. Kwon**, and Y. Li. 2010. In vitro selection of aptamers for detection of avian influenza virus H5N1. 110<sup>th</sup> General Meeting of the American Society for Microbiology, San Diego, CA, May 23-27, 2010.

S.L. Layton, K. Cole, M.J. Morgan, **Y.M. Kwon**, D.J. Donoghue, B.M. Hargis, and N.R. Pumford. Evaluation of selected Salmonella-vectored Campylobacter epitopes for reduction of Campylobacter jejuni in broiler chickens. International Poultry Scientific Forum Georgia World Congress Center. Atlanta, Georgia. January 25 - 26, 2010.

**Owens, C.M.**, and C.Z. Alvarado. Poultry Carcass Quality. VIII Simposium de Procesamiento e Inocuidad Avicola, Queretaro, Mexico, 2010.

Perumalla, A.V.S., N. S. Hettiarachchy, **M. Slavik**, and G. S. Kumar. Grape seed extract and malic acid can effectively inhibit the growth of *Campylobacter jejuni* in broth culture. IAFP 2010 Annual Meeting, Anaheim, CA. August 1-4, 2010.

Rasaputra, K.S., R. Liyanage, J.O. Lay Jr., **M. F. Slavik**, and N. C. Rath. Proteomic changes in growth plate chondrocytes culture treated with thiram. Presented at 5<sup>th</sup> BioNanoTox International Society Conferences. Little Rock, AR. November 2, 2010.

Singh, P., A. Karimi, **P.W. Waldroup**, and Y.M. Kwon. Comparative phylogenetic analysis of gut microbiota of broilers fed with and without antibiotics. Poultry Science Association, Denver, Colorado, 2010.

**Wideman, R. F.**, M. L. Eanes, K. R. Hamal, R. Klintworth, and Anthony, N.B. Pulmonary vascular pressure profiles in broilers selected for susceptibility to pulmonary hypertension syndrome: Age and gender comparisons. Poultry Science Association Annual Meeting Denver, CO, 2010

## **Invited lectures and/or professional presentations**

### **Agricultural Economics and Agribusiness**

**Ahrendsen, Bruce L.** 2010. "An Update on the Agricultural Economy." Invited keynote address presented at the 2010 Arkansas Bankers Association Agri Conference, Hot Springs, Arkansas, November 3.

**Ahrendsen, Bruce L.** 2010. "U.S. Government Loan Volume and Market Penetration by Farm Size, Socially Disadvantaged, and Beginning Farmers Cohorts" by B.L. Ahrendsen and B.L. Dixon. Invited presentation at the National University of Life and Environmental Sciences of Ukraine, Kiev, May 19.

**Ahrendsen, Bruce L.** 2010. "Competing Risks Hazard Models of U.S. Government Loans" by B.L. Dixon and B.L. Ahrendsen. Invited presentation at the National University of Life and Environmental Sciences of Ukraine, Kiev, May 19.

**Ahrendsen, Bruce L.** 2010. "Financial Analysis and Planning." Invited lecture, International MBA in Agribusiness, National University of Life and Environmental Sciences of Ukraine, Kiev, May 19-23.

**Ahrendsen, Bruce L.** 2010. "Marketing Strategy and Policy." Invited lecture, International MBA in Agribusiness, National University of Life and Environmental Sciences of Ukraine, Kiev, May 19-23.

**Akaichi, F., R. M. Nayga, Jr., and J. Gil.** 2010. "On the Use of Multi-Unit Auctions in Measuring Consumers' Willingness to Pay for Food Products." International Workshop on Innovative Methods in Consumer Research, Aarhus School of Business, Denmark, May 5.

**Nalley, L. and A. Barkley.** 2010. "Using Portfolio Theory to Enhance Yield Stability and Food Security in Low-Income Nations." Invited presentation to the Department of Economics at the Slovak University of Agriculture. Nitra, Slovakia. March 24.

**Nalley, L. and M. Popp.** 2010. "The Impact of Reducing Green House Gas Emissions in Arkansas Crop Agriculture: A Spatial and Production Level Analysis." Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. March 22.

**Nalley, L. and A. Barkley.** 2010. "Selecting Grain Cultivars to Stabilize Food Security: The Case of the Yaqui Valley Mexico." Invited presentation at the University of Ghent to the Department of Agricultural Economics and of Bioscience Engineering. Ghent, Belgium. March 22.

**Nalley, L., Z. Niederman, and M. Matlock.** 2010. "Quantifying GHG Emissions and Carbon Sequestration in 358 Cotton Producing Counties in the United States." Invited presentation at the Cotton Incorporated Sustainability Meeting. Judd Hill, Arkansas. February 23.

**Nalley, L., M. Popp, and K. Brye.** 2010. "A Life Cycle Approach to Estimating Net Carbon Emissions and Agricultural Response to Potential Carbon Offset Policies." Invited Seminar Mississippi State University, Department of Agricultural Economics. September 9. Starkville, Mississippi.

**Nayga Jr., R. M.** 2010. "On the Use of Economic Experiments in Assessing New Food Products." Theodor Brinkman Seminar Series, University of Bonn, Germany, December 15.

**Nayga Jr., R. M.** 2010. "On the Use of Economic Experiments in Assessing Food Choice and Valuation: Implications for Risk-Benefit Communication Research." Wageningen University, Netherlands, December 13, 2010.

**Nayga Jr., R. M.** 2010. "Economics of Food Consumption, Obesity, and Health: Some of our Recent Work." Arkansas Biosciences Institute, Little Rock, AR, September 29.

**Nayga Jr., R. M.** 2010. "Can the National School Lunch Program Improve Children's Dietary Intakes?" University of Arkansas, Fayetteville, AR, September 23.

**Nayga Jr., R. M.** 2010. "National School Lunch Program and Children's Dietary Outcomes." University of Alberta, Edmonton, Canada, August 10.

**Nayga Jr., R. M.** 2010. "Food Industry Market Issues and Trends: International Dimensions." G20 Food Industry Conference, Korea University, Seoul, Korea, July 16.

**Nayga Jr., R. M.** 2010. "Creating Innovation in Food and Health Research: An Economics Perspective." Leverhulme Centre for Integrative Research in Agriculture and Health, University of London, UK, July.

**Nayga Jr., R. M.** 2010. "Does the US National School Lunch Program Improve Children's Dietary Outcomes?" School of Economics, University of the Philippines, July 6.

**Nayga Jr., R. M.** 2010. "Economics of Nutrition, Obesity, and Health." College of Economics and Management, University of the Philippines at Los Banos, Philippines, July 5.

**Nayga Jr., R. M.** 2010. "On the Use of Experimental Economics in Product Valuation and Food Marketing." University of the Philippines at Los Banos, Philippines, July 5.



**Nayga Jr., R. M.** 2010. "Food Consumption and Health: Economic Research Issues and Challenges." London School of Hygiene and Tropical Medicine, UK, June 24.

**Nayga Jr., R. M.** 2010. "Short Course on Experimental Economics Applications to Food Marketing and Policy." Universita Cattolica, Cremona, Italy, May 31-June 9.

**Nayga Jr., R. M.** 2010. "Nutrition, Health, and Food Policy." International Conference on Traditional Foods and Production Practices, Sibenik, Croatia, April 15.

**Nayga Jr., R. M.** 2010. "On the Use of Experimental Auctions in Food Marketing." University of Zagreb, Croatia, April 14.

**Nayga Jr., R. M.** 2010. "Food Industry Market Issues and Trends: International Dimensions." University of Zagreb, Croatia, April 13.

**Nayga Jr., R. M.** 2010. "The Use of Economic Experiments in Analyzing Consumer Behavior in Food Markets." University of Bologna, Italy, March 24.

**Nayga Jr., R. M.** 2010. "The Use of Economic Experiments in Analyzing Consumer Behavior in Food Markets." University of Milan, Italy, March 22.

**Nayga Jr., R. M.** 2010. "Eliciting Consumers' Willingness to Pay for New Food Products." Plenary Talk at Conference on Marketing of Traditional and Innovative Food Products, Milan, Italy, March 22.

**Nayga Jr., R. M.** 2010. "The Use of Experimental Auctions in Food Marketing." Plenary Presentation, 11th European Symposium on Statistical Methods for the Food Industry, Benevento, Italy, February 25.

**Nayga Jr., R. M.** 2010. "Traceability in Food Sector", Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies, Zaragoza, Spain, February 12.

**Nayga Jr., R. M.** 2010. "Redesign Principles in Supply Chain Management." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies, Zaragoza, Spain, February 11.

**Nayga Jr., R. M.** 2010. "Supply Chain Management." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies, Zaragoza, Spain, February 10.

**Nayga Jr., R. M.** 2010. "Supply Chain Networks." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies, Zaragoza, Spain, February 9.

**Nayga Jr., R. M.** 2010. "Food Distribution Strategies." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies, Zaragoza, Spain, February 8.

**Norman, D., L. Nalley, and P. Mahrizal.** 2010. "Technology and Policy in Indonesian Sustainable Agricultural Development. Invited Seminar at the Indonesia-USA Partnership Agricultural Technology and Investment Forum. Jakarta, Indonesia, 6th-7th October.

**Popp, M. and L. Nalley.** 2010. "Arkansas Agriculture under Various Irrigation Restriction Scenarios." Invited presentation at the L'Oreal Carbon Neutral Biomass Project. Little Rock, Arkansas. January 27.

### **Agricultural and Extension Education**

**Johnson, D.M., Edgar, D.E., and Davis, J.A.** (2010). Biodiesel: Getting the message out. *Invited presentation at the Arkansas Soybean Research Conference*, Brinkley, AR, December 7, 2010.

Kulkarni, S.S., **Johnson, D.M.**, Davis, J.A. and Kennon, D. (2010). Irrigation power unit performance, efficiency, and NO<sub>x</sub> emissions with petroleum diesel, biodiesel, and biodiesel blends. *Poster presented at UA Division of Agriculture Field Days*, September 2, 2010 – Judd Hill, AR, August 19, 2010 – Marianna, AR, and August 11, 2010 – Stuttgart, AR.

McCullough, S.W., Magee, K.B., **Miller, J.D.**, and **Edgar, L.D.** (2010). Using social networking and web 2.0 tools to enhance small businesses. *Poster presented at the National Association of Community Development Extension Professionals annual conference*, April 13, 2010, Minneapolis, MN and the *Arkansas Galaxy Conference*, March 10, 2010, Morrilton, AR.

Rainey, D.V., McCullough, S.W., **Miller, J.D.**, and Das, B.R. (2010). Agritourism development in Arkansas economics and associated constraints. *Presented at Economic and Environmental Issues in Arkansas: A policy perspective symposium*, Arkansas Cooperative Extension Service, October 26, 2010, Little Rock, AR.

### **Agricultural Statistics Laboratory**

**Mauromoustakos, A.** (2010). Intro to JMP Genomics at the Agricultural University of Athens, organized by the Department of Plant Breeding and Biometry, *Athens*, GR. (***Invited***)

**Mauromoustakos, A.** (2010). Visual Six Sigma with JMP, Rice Industry Alliance Meetings, Fayetteville, AR. (***Invited***)

**Mauromoustakos, A.** (2010). New analytics and features in upcoming JMP Version NCCC-170/USSES Joint Meetings, Ames IA.

**Mauromoustakos, A.**, R. Bautista and Terry Siebenmorgen (2010). Visual data mining used to assess the role of individual kernel moisture content on milling quality. Joint Statistical Meetings, Vancouver, CA.

**Savin, M.C.**, K.J. Davis, E.E. Gbur and D.C. Wolf (2010). Disruptive or uncivil behaviors in the college classroom. Justus Teaching Workshop, University of Arkansas.

**Savin, M.C.**, K.J. Davis, E.E. Gbur and D.C. Wolf (2010). Disruptive or uncivil behaviors in the college classroom. American Society of Agronomy annual meeting.

**Siebenmorgen, T.J.**, A. Mauromoustakos, and P.A. Counce. (2010). Relating Field-Scale nighttime air temperature levels during kernel development to rice milling quality. Oral presentation; 33<sup>rd</sup> Rice Technical Working Group. Biloxi, MS.

**Wolf, D.C.**, M.M. Warnock and E.E. Gbur (2010). Biodegradation of non-woven fabrics in soil. AATCC Gulf Coast Seminar

### **Animal Science**

**Apple, J. K.** Reciprocal Meats Conference (June, 2010; Texas Tech University); **invited** presentation entitled: “Beyond Iodine Value”

**Apple, J.K.** American Society of Animal Science – Midwest Section Meetings (March, 2010; Des Moines, IA) “Beyond Iodine Value”

**Apple, J.K.** American Society of Animal Science – Southern Section Meetings (February, 2010; Orlando, FL) “Beyond Iodine Value”

**Brown, A. H.** 2010. Some Observations on Teaching. 2010 Jack G. Justus Lecture and Teaching Improvement Symposium. University of Arkansas, AFLS Atrium and Hembree Auditorium. 8/18/10.

**Kegley, E.B.** “Mineral Supplementation for Beef Cows” to a group of High School Ag Teachers as a part of a continuing education program held at the Livestock and Forestry Station in Batesville, June 16, 2010.

**Yazwinski, T** and Tucker, C. Cattle parasites; their dynamics, their control and resistance. Cattlemen’s Groups from Sharp, Fulton and Izard Counties in Horseshoe Bend, AR. 08/MAR/10.

**Yazwinski, T** and Tucker, C. Cattle parasites; their dynamics, their control and resistance. Field Day and Conference in Batesville, AR. 20/APR/10.

**Yazwinski, T** and Tucker, C. Cattle parasites; their dynamics, their control and resistance. Howard County Cattlemen’s Assoc. in Nashville, AR. 24/APR/10.

### **Biological and Agricultural Engineering**

**Carrier, DJ.** 2010. “Potential bioenergy production via thermochemical and biochemical processes in Arkansas.” Arkansas State University, Jonesboro, AR. April 2010.

**Carrier, DJ.** 2010. “Overview of the biochemical platform.” University of Kansas, EPSCoR review session, Lawrence, KS, June 2010.

**Carrier, DJ.** 2010. “Overview of biomass-derived bioenergy.” University of Graz, Graz Austria July 2010.

**Carrier, DJ.** 2010. “Co-products from a biorefinery.” University of Arkansas, Department of Food Sciences October 2010.

**Carrier, DJ.** 2010. “Deconstruction of feedstock.” Angus Banting Memorial Seminar, McGill University Department of Bioresource Engineering November 2010.

**Haggard, B.,** and T. Scott. “Water Quality Monitoring and Trends in Our Trans-Boundary Watersheds.” Joint Oklahoma Governor’s Water Conference and Oklahoma Water Resources Research Institute Research Conference, Oklahoma City – October 2010

**Haggard, B.,** and T. Scott. “Facilitating Nutrient Criteria Development in the Red River Basin: Frequency Distribution and Nutrient-Chlorophyll Relations.” International Symposium of the North American Lake Management Society, Oklahoma City, Oklahoma – Nov 2010

**Haggard, B.,** M. Matlock, A. Brown, and E. Cummins. “Water Quality Assessment at Spring and Osage Creeks, 2007–2009.” Arkansas Water Works and Water Environment Conference, Hot Springs, Arkansas – May 2010.

**Haggard, B.** “Arkansas – Oklahoma Nutrient Issues: What’s Happened on the Arkansas Side?” USDA National Land and Sea Grant Water Conference, Integrating Science and Policy Symposium, Hilton Head, South Carolina – Feb 2010

**Haggard, B.,** H. Liechty, and K. Cunningham. “Riparian Forest Buffers – Role in Watershed Management.” South Central Chapter, International Erosion Control Association, Muddy Water Blues Conference, Bentonville, Arkansas – March 2010.

**Haggard, B.,** M. Matlock, A. Brown, and E. Cummins. “Water Quality Assessment at Spring and Osage Creeks, 2007–2009.” Northwest District of the American Water Works and Water Environment Association, Rogers, Arkansas – March 2010.

**Kim, J.W..** 2010. Self-Assembled Nanoparticle Composites for Laser-Induced *In Vivo* Medical Diagnostics of Cancer Stem Cells. 2010 Annual Meeting of Korean Society for Stem Cell

Research, Joint Symposium with Korean Society of Gene & Cell Therapy and 2<sup>nd</sup> Korea-UK Stem Cell Symposium, October 22, Seoul, Korea (as a “Plenary Speaker”).

**Kim, J.W.** 2010. Nanoparticles and Their Self-Assembled Nano-Composites for Multiplex, Multimodal Biomedical Sensing and Therapy. 2010 International BIOTRONICS Conference, October 28, Seoul, Korea.

Kotagiri, N. and **J.-W Kim**. 2010. Sugar Coated Stealth Carbon Nanotubes. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), December 5-8, Hong Kong, China.

**Kim, J.W.** and V.P. Zharov. 2010. Laser-Induced Nanoparticles for Biomedical Sensing and Therapy. 5<sup>th</sup> IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Xiamen, China.

**Kim, J.W.** 2010. Bio/Nano Technology for Nanoscale Self-Assembly. Myongji University, Yongin, Korea.

**Kim, J.W.**, 2010. Laser-Induced Nanoparticles for Biomedical Sensing and Therapy. Shenyang Institute of Automation Chinese Academy of Science, Shenyang, China.

Zharov, V.P. and **J.-W. Kim**. 2010. Nanotechnology-Based *In Vivo* Photoacoustic Diagnosis and Photothermal Therapy. Nanotechnology for Healthcare Conference, January 6-9, Winthrop Rockefeller Institute, Petit Jean Mountain, AR

Zharov, V.P. and **J.-W. Kim**. 2010. Nanotechnology-Based *In Vivo* Photoacoustic Diagnosis and Photothermal Therapy. Arkansas Biosciences Institute Board Meeting, January 19, Little Rock, AR.

**Li, Y.**, B. Hargis, S Tung, L. Berghman, Tony Huang, and H. Lu. 2010. “A portable impedance biosensor for rapid screening of avian influenza.” Invited presentation at the MOST-USDA Agro-Product Processing Forum, International Agricultural Engineering Conference (IAEC 2010), September 17-20, 2010, Shanghai, China.

**Li, Y.** 2010. “Applications of biosensor technologies in agriculture, food and environment.” Invited presentation at IBE-KSBB Joint Symposium, 2010 KSBB Annual Meeting, October 7-8, 2010, Incheon, Korea.

**Li, Y.** 2010. “Biosensors and their applications in biosystems engineering.” Invited presentation at the Summer Program of Outstanding Undergraduate Students for Biological Engineering in China, July 12-15, 2010, Hangzhou, China.

**Li, Y.** 2010. “Biosensors and their applications in agriculture, food and environment.” Invited presentation at 2010 Forum on Quality Sensing and Processing Technology for Agro-products, September 21, 2010, Hangzhou, China.

**Osborn, G.S.** 2010. Department of Energy Hydropower Environmental Mitigation Summit. June 3, 2010. Washington DC. Invited to present data regarding use of SDOX to oxygenate tailwaters from dams to allow hydropower generation without fish kills.

**Osborn, G. S.** 2010. Corollo Engineers, Seattle WA. Invited to discuss SDOX technology for integration into wastewater treatment design by firm.

**Osborn, G. S.** 2010. Washington Department of Ecology, Olympia, WA. Invited to discuss SDOX technology for integration into wastewater treatment to allow regulations to be met.

**Osborn, G. S.** 2010. King County Washington, Seattle, WA Invited to discuss SDOX technology for reducing impact of small scale decentralized treatment systems impacting Puget Sound.

Thompson, C., **G. S. Osborn.** 2010. Arkansas Environmental Managers Conference, Hot Springs, AR. October. Invited to present data on HyDOZ testing at Springdale Wastewater Treatment Plant for removing drug residuals and endocrine disruptors.

**Osborn, G. S.** 2010. Arkansas Rural Water Authority. Invited to discuss ARWA purchase of SDOX technology to respond to spills of oxygen consuming material into water in Arkansas.

**Osborn, G. S.** 2010. Enviroquip Company. Invited to discuss SDOX technology for integration into companies MBR technology as part of an ECOBLOX summit for the new product commercially released.

**Osborn, G. S.** 2010. WEFTEC New Orleans, LA. Invited by Ovivo to discuss SDOX technology for integration into MBR technology for presentation at technical conference.

**Osborn, G. S.** C.T. Brewer. 2010. Arkansas Venture Forum, Little Rock. Invited to present BlueInGreen product and company to potential investors. One of 8 companies selected throughout Arkansas for this presentation.

**Saraswat, D.** 2010 . “Potential collaboration opportunities with University of Arkansas.” Delivered before students, staff and faculty of the MGCGV, Chitrakoot, India, January 11. 65 students.

**Saraswat, D.** 2010. “Geospatial Technologies: Unlimited Possibilities for Outreach Education.” Delivered before students, staff, and faculty of the Department of Food, Agricultural and Biological Engineering, The Ohio State University, Columbus, OH, October 15.

**Veetil, J.,** Jin, S. and Ye, K., “Design FRET indicator proteins for continuous glucose monitoring in vitro and in vivo”, The 10<sup>th</sup> World Congress on Biosensors, May 26-28, 2010, Glasgow, UK.

**Ye, K.,** J. Leach, and S. Jin “Design of Aptameer-based Nanoparticle Carriers Targeting Prostate Tumors”, 2010 International Congress of Antibody, March 2010, Beijing, China.

**Zaharoff, D.A.** “Chitosan-based Delivery Systems for Cancer Vaccines and Immunotherapies,” Winthrop P. Rockefeller Cancer Institute Forum, October 4, 2010, Little Rock, AR.

**Zaharoff, D.A.** “Engineering Immunotherapies for Cancer,” Ralph E. Martin Department of Chemical Engineering, Winthrop P. Rockefeller Cancer Institute Forum, September, 23, 2010, Fayetteville, AR.

**Zaharoff, D.A.** “Engineering Translatable Cancer Immunotherapies,” Cell and Molecular Biology seminar series, September 30, 2010, Fayetteville, AR.

## Oral Conference Presentations

**Bajwa, S. G.,** D. S. Bajwa, and G. A. Holt. “Application of Cotton Burr/Stem in Thermoplastic Composites. In. Arkansas Cotton Research Summaries” - 2010, D.M. Oosterhuis (ed.), Arkansas Agricultural Experiment Station, Fayetteville, AR.

Bajwa, D. S., **S. G. Bajwa,** and G. H. Holt. 2010. “Laboratory to commercial scale -correlation in the physical properties of biofiber-polymer composites” -. In. *Proc. 11th International Conference on Biocomposites: Transition to Green Materials*, 2-4 May 2010, Toronto, Canada.

Bajwa, D. S., **S. G. Bajwa,** and G. H. Holt. 2010. “Laboratory to commercial scale –correlations in the physical properties of biofiber-polymer composites.” *Twelfth International Conference on Progress in Biofibre Plastic Composites*. Toronto, Canada.

**Bunnell K**, Martin E, Lau C, Clausen E, Pelkki M and Carrier DJ. “Hot water and hot dilute acid pretreatment from the understory of *Populus* sp.” 32<sup>nd</sup> Symposium on Biotechnology for Fuels and Chemicals, Clearwater, FL.

**Carrier, DJ** and Clausen E. “Oligomer purification.” ASABE Pittsburgh, June 2010.

**Carrier, DJ** and Clausen E. “Oligomer degradation.” Pacificchem, Honolulu, December 2010.

**Dijoleu A**, Lingbeck J, Martin E, Clausen E and Carrier DJ. “Toxicity of pretreated switchgrass exudates.” 32<sup>nd</sup> Symposium on Biotechnology for Fuels and Chemicals, Clearwater, FL

Busch, D. and **B. Haggard**. 2010. “Alternative Surface-Water Sampling Methods.” UW Platteville, Pioneer Farms: Producer Driven Agricultural Research, 2 pp.

Sharpley, A., P. Moore Jr., K. VanDevender, M. Daniels, W. Delp, **B. Haggard**, T. Daniels, and A. Baber. “Arkansas Phosphorus Index.” UA Division of Agriculture Cooperative Extension Service FSA9531, 8 pp.

Sharpley, A., M. Daniels, K. VanDevender, P. Moore Jr., **B. Haggard**, N Slaton, and C. West. “Using the 2010 Arkansas Phosphorus Index.” UA Division of Agriculture Cooperative Extension Service MP487, 17 pp.

**Haggard, B.**, A. Sharpley, and L. Massey (Editors), 2010. “*Handbook of Best Management Practices for the Upper Illinois River Watershed and Other Regional Watersheds*.” Arkansas Water Resources Center Technical Publication MSC 357.

**Haggard, B.**, A. Sharpley, and L. Massey. 2010. “Water Quality and Watershed Conditions in the Upper Illinois River Watershed.” Arkansas Water Resources Center Technical Publication MSC 359.

**Haggard, B.** 2010. Chapter 10: “Lake Frances Management.” Editors: B. Haggard, A. Sharpley, and L. Massey, *Handbook of Best Management Practices for the Upper Illinois River Watershed and Other Regional Watersheds*, Arkansas Water Resources Center Technical Publication MSC 357.

Pennington, J., A. Sharpley, D. Philipp, **B. Haggard**, and L. Massey. 2010. Chapter 6: “Agricultural Conservation Practices and Programs.” Editors: B. Haggard, A. Sharpley, and L. Massey, *Handbook of Best Management Practices for the Upper Illinois River Watershed and Other Regional Watersheds*, Arkansas Water Resources Center Technical Publication MSC 357.

Massey, L., W. Cash and **Haggard, B.** 2010. “Illinois River Watershed Partnership – Constituent Loads at eight sites within the Upper Illinois River Watershed, Arkansas.” Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 360.

Massey, L., W. Cash and **Haggard, B.** 2010. “Beaver Water District – Constituent Loads at eight sites within the Beaver Lake Watershed.” Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 361.

Massey, L., W. Cash and **Haggard, B.** 2010. “Kings River Watershed Partnership – Constituent Loads at the Kings River.” Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 362.

**Haggard, B.**, A. Sharpley, and L. Massey. 2010. "Final Report to the Illinois River Watershed Partnership: Recommended Watershed Based Strategy for the Upper Illinois River Watershed, Northwest Arkansas." Arkansas Water Resources Center Technical Publication MSC 355.

**Kim, J.H.** and J.-W. Kim. 2010. "Hierarchical Functionalization of Nanocolloids for Site-Directed Self-Assembly of Bio/Nano Ensembles." Arkansas Biosciences Institute (ABI) Fall Symposium, Little Rock, Arkansas.

**Koppolu, B.**, Zaharoff, D.A. "Visualization of HIV Protease Inhibition Using a FRET Molecular Probe", BMES Annual Conference meeting, October 7-10, 2010, Austin, TX.

**Lau C**, Bunnell K, Clausen E, Lay J, Gidden J, Thoma G and Carrier DJ. "Characterization of xylose oligomers from birchwood xylan during pretreatment." 32<sup>nd</sup> Symposium on Biotechnology for Fuels and Chemicals, Clearwater, FL

Jones, C. N., **M. D. Leh**, and S. G. Bajwa. 2010. "Modeling watershed scaled sedimentation in the West Fork of White River with the Soil and Water Assessment Tool." Arkansas Water Resource Center Annual Meeting and Conference. 13-14 April 2010. Fayetteville, AR.

**Leh, M. D.**, S. G. Bajwa, I. Chaubey. 2010. "Modeling water quality of West Fork of White River with Annualized Agricultural Non-Point Source (AnnAGNPS) pollution model." Arkansas Water Resource Center Annual Meeting and Conference. 13-14 April 2010. Fayetteville, AR.

**Li, Y.**, T. Huang, H. Lu, W. Bottje, R. Wang, X. Mao, K. Lassiter, and J. Lum. 2010. "Nanobeads/nanoelectrode based impedance biosensor for rapid screening of avian influenza virus." Presented at ASABE 2010 Annual International Meeting, June 20-23, 2010, Pittsburgh, PA. ASABE Paper No. 1009466.

Lin, J., J. Lum, R. Wang, S. Tung, B. Hargis, **Y. Li**, H. Lu and L. Berghman. 2010. "A portable Impedance Biosensor Instrument for Rapid Detection of Avian Influenza Virus." Presented at IEEE Sensors 2010 Conference, November 1-4, 2010, Waikoloa, Hawaii. Paper No. 1636.

Lum, J., R. Wang, D. Abi-Ghanem, B. Hargis, L. Berghman, S. Tung, and **Y. Li**. 2010. "A more specific and sensitive detection method for avian influenza H5N1 using anti bodies against N1 subtype and red blood cell amplification in an impedance biosensor." Presented at the 2010 Joint Annual Meeting of ADSA, PSA, AMPA, CSAS, and ASAS, July 11-15, Denver, CO. Paper number M-305.

Lum, J., R. Wang and **Y. Li**. 2010. "A more specific and sensitive detection method for avian influenza H5N1 using antibodies against N1 subtype and red blood cell amplification in an impedance biosensor." AAFP 2010 Annual Meeting, September 28-29, Springdale, AR.

Srinivasan, B., H. Rokadia, S. Tung, R. Wang, and **Y. Li**. 2010. "AFM Investigation of avian influenza viruses." Presented at the ASME 2010 International Mechanical Engineering Congress and Exposition, November 12-18, 2010, Vancouver, Canada. Paper IMECE2010-38952 in the Proceedings of IMECE'10.

Wang, H., **Li, Y.**, and M. Slavik. 2010. "Comparison of different magnetic nanobeads for simultaneous immunoseparation of multiple foodborne pathogens." Presented at IAFP 2010 97th Annual Meeting, August 1-4, 2010, Anaheim, CA.

Huang, H., C. Ruan, J. Lin, M. Li, L. Cooney, A. Wang, and **Y. Li**. 2010. "Magnetic nanoparticles based magnetophoresis for efficient separation of foodborne pathogens." Presented at ASABE 2010 Annual International Meeting, June 20-23, 2010, Pittsburgh, PA. ASABE Paper No. 1009458.

Wang, R., **Y. Li**, X. Mao, T. Huang, and H. Lu. 2010. "Magnetic bio-nanobeads and nanoelectrode based impedance biosensor for detection of avian influenza virus." Presented at IEEE-NanoMed 2010, December 5-9, 2010, Hong Kong, China. Paper No. 13.

Zhao, J., R. Wang, T. Jiang, Y. Kwon, and **Y. Li**. 2010. "In vitro selection of aptamers for detection of avian influenza virus H5N1." Presented at ASM (American Society for Microbiology) 110<sup>th</sup> General Meeting, May 23-27, 2010, San Diego, CA. Poster No. 10-GM-A-3820-ASM.

Zhao, J., B. Bai, R. Wang, and **Y. Li**. 2010. "Aptamer selection and aptamer-based SPR biosensor for detection of avian influenza virus." AAAP 2010 Annual Meeting, September 28-29, Springdale, AR.

Kanayeva, D., R. Wang, B. Srinivasan, S. Tung, and **Y. Li**. 2010. "Detection of *Listeria monocytogenes* using microfluidics and interdigitated microelectrode based impedance immunosensor coupled with magnetic nanoparticle-antibody conjugates." Presented at ASM (American Society for Microbiology) 110<sup>th</sup> General Meeting, May 23-27, 2010, San Diego, CA. Poster No. 10-GM-A-3797-ASM.

Kanayeva, D., R. Wang and **Y. Li**. 2010. "Detection of *Listeria monocytogenes* using microfluidics and interdigitated microelectrode based impedance immunosensor coupled with magnetic nanoparticle-antibody conjugates." AAAP 2010 Annual Meeting, September 28-29, Springdale, AR.

**Li, Y.**, R. Wang, K. Lassiter, B. Srinivasan, B. Hargis, W. Bottje, S. Tung, L. Lin, and H. Lu. 2010. "An impedance biosensor for rapid screening of avian influenza virus in poultry swab samples." Presented at the 11<sup>th</sup> World Congress for Biosensors, May 26-28, 2010, Glasgow, UK. Paper No. P1.1.102.

**Liang, Y.**, G.T. Tabler, I. Berry, and S.E. Watkins. 2010. "Field evaluation of controlled surface wetting system to cool broiler chickens." ASABE Paper No. 1008478, St. Joseph, Mich.: ASABE.

**Liang, Y.**, K.W. VanDevender. 2010. "Vegetative shelterbelts and windbreak walls to mitigate dust and odor emissions downwind from poultry farms." VP's Internal Innovative Grant Final Report.

**Liang, Y.**, G.T. Tabler, I. Berry, and S.E. Watkins. 2010. "Field evaluation of controlled surface wetting system to cool broiler chickens." ASABE Annual meeting, Pittsburgh, Pennsylvania.

**Liang, Y.**, G.T. Tabler. 2010. "Ventilation Management Effect on Air Quality and Energy Use in Broiler Housing." ASABE Annual meeting, Pittsburgh, Pennsylvania.

**Liang, Y.**, K.W. VanDevender, and G.T. Tabler. 2010. "Field evaluation of windbreak effect on airflow downwind of poultry housing tunnel fans." Proceedings of International Symposium on Air Quality & Manure Management for Agriculture, Dallas, TX.

**Liang, Y.**, G.T. Tabler, and K.W. VanDevender. 2010. "Ammonia emissions from downtime litter management in broiler housing." Proceedings of International Symposium on Air Quality & Manure Management for Agriculture, Dallas, TX.

**Lin, J.**, J. Lum, R. Wang, S. Tung, B. Hargis, Y. Li, H. Lu and L. Berghman. 2010. "A portable Impedance Biosensor Instrument for Rapid Detection of Avian Influenza Virus." Presented at IEEE Sensors 2010 Conference, November 1-4, 2010, Waikoloa, Hawaii. Paper No. 1636 in the Proceedings of IEEE Sensors 2010.

**Pai, N.** and D. Saraswat. 2010. Identifying potential monitoring gage locations in the Lake Conway Point Remove watershed using SWAT. In 47<sup>th</sup> Annual Meeting of the Arkansas Section of American Society of Agricultural and Biological Engineers, Little Rock, AR, October 1.



**Pai, N. S.** Sarkar, and D. Saraswat. 2010. Utilizing Cyberinfrastructure for Watershed Modeling. In Cyberinfrastructure Days, Fayetteville, AR, May 16-17.

**Pai, N.** and D. Saraswat. 2010. Field\_SWAT: A Tool for Mapping SWAT Output to Field Boundaries. In 2010 Land Grant and Sea Grant National Water Conference, Hilton Head, SC, February 21-25.

**Pai, N.** and D. Saraswat. 2010. A Geospatial Technique for Inventorying Riparian Buffer Cover. In 3<sup>rd</sup> Annual Graduate Student Symposium & Career Networking Event, Fayetteville, AR, February 12.

**Post, J.P.,** S.G. Bajwa, Y. Liang, T.A. Costello. 2010. “A Comparison of Particulate Matter Concentration Measured by TEOM and DustTrak.” International Symposium on Air Quality and Manure Management for Agriculture, DoubleTree Hotel Dallas, Dallas, Texas USA, September 13-16,

**Saraswat, D.,** N. Pai, and M. Daniels. 2010. Identifying Prioritized Subwatersheds from SWAT Model Simulated Flow, Sediments and Nutrient Loadings in the Illinois River Drainage Area in Arkansas. In *ASABE 2010 Annual International Meeting*, Pittsburg, PA, June 20-23.

Chaubey, I., B. Engel, M. Thomas, C. Raj, and **D. Saraswat**. 2010. Quantifying Impact of Biofeedstock Production on Hydrology/Water Quality in Midwest USA. EGU General Assembly 2010, Vol. 12, EGU2010-14599. Vienna, Austria, May 2-7.

**Saraswat, D.** and N. Pai. 2010. Developing Inventory of Riparian Buffer Cover in L'Anguille River Watershed using Geospatial Technologies. In *2010 Land Grant and Sea Grant National Water Conference*, Hilton Head, SC, February 21-25.

Engel, B., I. Chaubey, M. Thomas, **D. Saraswat**, P. Murphy, and B. Bhaduri. 2010. Impact of Biofeedstock Production on Hydrology/Water Quality in Midwest and Southeast USA. In 2010 Land Grant and Sea Grant National Water Conference, Hilton Head, SC, February 21-25.

**Srinivasan, B.** J.S. Lee, J. Hohnbaum, S. Tung, and J.-W. Kim. 2010. “Performance Evaluation of a Pneumatic-Based Micromixer for Bioconjugation Reaction.” 5<sup>th</sup> IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Xiamen, China.

**Srinivasan, B.,** H. Rokadia, S. Tung, R. Wang, and Y. Li. 2010. “AFM Investigation of avian influenza viruses.” Presented at the ASME 2010 International Mechanical Engineering Congress and Exposition, November 12-18, 2010, Vancouver, Canada. Paper IMECE2010-38952 in the Proceedings of IMECE'10.

Ellis, E., Yao, H., **Veetil, J.,** Ye, K., Jin, S., “Visualization of HIV Protease Inhibition Using a FRET Molecular Probe”, 239<sup>th</sup> America Chemistry Society Annual meeting, March 21-25, 2010 San Francisco, CA.

**Veetil, J.,** Jin, S., and Ye, K. “A novel sensor for continuous glucose monitoring”, 2010 Biomedical Engineering Society Annual Meeting, October 6-9, 2010 Austin, Texas.

**Veetil, J. V.,** Jin, S. and Ye, K. “Glucose binding protein based nanosensors as a versatile platform for developing reagentless biosensor for intracellular and in vitro glucose monitoring”, The 2010 National Biotechnology Conference, May 16-19, 2010, San Francisco, CA.

**Wang, R.,** Y. Li, X. Mao, T. Huang, and H. Lu. 2010. “Magnetic bio-nanobeads and nanoelectrode based impedance biosensor for detection of avian influenza virus.” Presented at IEEE-NanoMed 2010, December 5-9, 2010, Hong Kong, China. Paper No. 13 in the Proceedings of IEEE NanoMed 2010.

**Wang, W.**, Jin, S., Ye, K., “Directed differentiation of human embryonic stem cells toward pancreatic lineage in 3D environments” Tissue Engineering and Regenerative Medicine International Society, 2010 North America Meeting, December 5-8, 2010, Orlando, Florida, USA

**Wang, W.**, Jin, S., and Ye, K. “Generation of mature beta cells from embryonic stem cells”, Tissue Engineering and Regenerative Medicine International Society, 2010 Asia Pacific Meeting, September 15-17, 2010, Sydney, Australia.

**Wick H**, Brown L, Martin E, Clausen E, and Carrier DJ.” Microbial load in switchgrass pre and post pretreatment.” 32<sup>nd</sup> Symposium on Biotechnology for Fuels and Chemicals, Clearwater, FL

**Wang, W.**, Zhu, Y., Jin, S., and Ye, K. “Three-dimensional differentiation of human embryonic stem cells into definitive endoderm”. 2010 Biomedical Engineering Society Annual Meeting, October 6-9, 2010 Austin, Texas.

Zhou, L., Masniuk, Y., Jin, S. and **Ye, K.** “Development of Influenza Vaccines Using Yeast Proteins Surface Display Vectors”, 2010 Biomedical Engineering Society Annual Meeting, October 6-9, 2010 Austin, Texas.

### **Crop, Soil and Environmental Sciences**

**Anders, M.M.** 2010. When Do I Start No-Till Rice Production: After the Flood. 13th Ann. National Conservation Systems Cotton and Rice Conf.. 12-13 Jan. Tunica, MS.

**Bourland, F.M.** 2010. Numbers! Numbers! Numbers! Interpreting Data on Cotton Cultivars. Cotton Incorporated Crop Management Seminar. Memphis, TN 9-10 Nov.

**Bourland, F.M.** 2010. New Developments in Cotton Technologies. International Cotton Advisory Committee (ICAC) International Mtg. Lubbock, TX. 21-25 Sep .

**Bourland, F.M.** 2010. Game Changers - Variety Development. Cotton International.

**Bourland, F.M.** 2010. Cultivar and Germplasm Release Policy of AR Ag. Exp. Sta.. IP/ PVP Mtg., Charleston, SC. Cotton Incorporated. 29-30 June.

**Bourland, F.M.** 2010. Outlook and Challenges in Cotton Production Research. ALIDA (Latin American Cotton Production Assoc.). Resistencia, Argentina, 21-26 June.

**Chen, P.** 2010. An Update on Soybean Breeding and Production in the U.S. 21th China National Soybean Research and Production Conf. 20-23 Jun. Shanghai, China.

**Haggard, B.** and T. Scott. 2010. Regional Red River Project Update on Nutrient Distributions, USEPA Region VI RTAG, Dallas, TX. Feb.

**Haggard, B.**, and T. Scott. 2010. Water Quality Monitoring and Trends in Our Trans-Boundary Watersheds. Joint Oklahoma Governor's Water Conf. and Oklahoma Water Resources Research Institute Research Conf., Oklahoma City, OK. Oct.

**Haggard, B.**, and T. Scott. 2010. Facilitating Nutrient Criteria Development in the Red River Basin: Frequency Distribution and Nutrient-Chlorophyll Relations. International Symposium of the North American Lake Management Society, Oklahoma City, OK. Nov.

**Haggard, B.** 2010. Arkansas - Oklahoma Nutrient Issues: What's Happened on the Arkansas Side? USDA National Land and Sea Grant Water Conf., Integrating Science and Policy Symposium, Hilton Head, SC. Feb.

**Haggard, B.**, H. Liechty, and K. Cunningham. 2010. Riparian Forest Buffers - Role in Watershed Management. South Central Chapter, International Erosion Control Assoc., Muddy Water Blues Conf., Bentonville, AR. Mar.

**Haggard, B.**, M. Matlock, A. Brown, and E. Cummins. 2010. Water Quality Assessment at Spring and Osage Creeks, 2007-2009. AR Water Works and Water Environment Conf., Hot Springs, AR. May.

**Haggard, B.**, M. Matlock, A. Brown, and E. Cummins. 2010. Water Quality Assessment at Spring and Osage Creeks, 2007-2009. Northwest District of the American Water Works and Water Environment Assoc., Rogers, AR. Mar.

Jones, D. and **F. Bourland**, F. 2010. Q-Score Update. Technical Committee on Cotton Quality, Clemson, SC. 08-09 Sep.

Malinowski, D.P., **C.P. West**, and D.P. Belesky. 2010. The Role of Endophytes in Summer-Dormant Tall Fescue. 7th Int. Symp. Fungal Endophytes of Grasses [CD-ROM]. 27 Jun.-1 Jul. Lexington, KY.

**Mason, R.E.** 2010. Wheat Breeding at the University of Arkansas: Past, Present, and Future. AR Farm Bureau Ann. Mtg. Hot Springs, AR. 02-03 Dec.

**Moldenhauer, K.A.K.** 2010. Potential New Variety Releases. Horizon AG Consultant and Producer Field Day. Campbell, MO. 30 Aug.

**Moldenhauer, K.A.K.** 2010. Rice: How to Maximize the Most from the Newest Technology. AR Seed Growers Assoc.. Brinkley, AR. 21 Jan.

**Moldenhauer, K.A.K.** 2010. Potential Rice Cultivars. AR Seed Dealers Assoc. Board Mtg.. Stuttgart, AR. 18 Mar.

**Moldenhauer, K.A.K.** 2010. Overview of Rice Production and the Rice Breeding Program. AR Ag Heritage Day for Educators. Stuttgart, AR. 15 Jun.

**Moldenhauer, K.A.K.** 2010. Roy J and Other New Rice Cultivars. AR Seed Dealers Assoc. Board Mtg.. Branson, MO. 22 Jul.

**Moldenhauer, K.A.K.** 2010. Update on Breeding and Physiology Proposals. Rice Research and Promotion Board. Stuttgart, AR. 11 Aug.

**Moldenhauer, K.A.K.** 2010. Rice Varieties. Cash River Valley Field Day. Cash, AR. 18 Aug.

**Moldenhauer, K.A.K.** 2010. Reports from the Breeding and Physiology Proposals. Rice Research and Promotion Board. Little Rock, AR. 28 Oct.

**Moldenhauer, K.A.K.** 2010. Update on Breeding and Physiology Proposals. Rice Research and Promotion Board. Stuttgart, AR. 08 Mar.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Fertilizer Update for Dry-Seeded, Delayed-Flood Rice. Certified Crop Advisor mtg. Biloxi, MS. 22 Feb.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton, and C.E. Wilson, Jr. 2010. Development of a Nitrogen-Soil Test for Rice: N-ST\*R. Southern Plant Nutrient Management Conf. Olive Branch, MS. 05-06 Oct.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Utility of Urease and Nitrification Inhibitors in Preventing Nitrogen Loss and the Development of a Soil-Based Nitrogen Test. Missouri Rice Producers Conf.. Dexter, MO. 03 Mar.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). Texas A & M Rice Field Day. Beaumont, TX. 08 Jul.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Nitrogen Fertilizer Management. In-Service Field Training for County Agents. Stuttgart, AR. 03 Aug.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). Randolph/Lawrence County Field Day. Pocahontas, AR. 06 Aug.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Nitrogen Management in Delayed Flood Rice. Presentation to Central American scientists, dealers, and farmers. 31 Aug. Stuttgart, AR.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Nitrogen Management in Delayed Flood Rice. Presentation to Central American Scientists, Dealers, and Farmers. Stuttgart, AR. 31 Aug.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). Randolph/Lawrence County Field Day. Pocahontas, AR. 06 Aug.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Utility of Urease and Nitrification Inhibitors in Preventing Nitrogen Loss and the Development of a Soil-Based Nitrogen Test. Missouri Rice Producers Conf. Dexter, MO. 03 Mar.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Nitrogen Fertilizer Management. In-Service Field Training for County Agts. Stuttgart, AR. 03 Aug.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. Fertilizer Update for Dry-Seeded, Delayed-Flood Rice. Certified Crop Advisor Mtg. Biloxi, MS. 22 Feb.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). Texas A&M Rice Field Day. Beaumont, TX. 08 Jul.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton, and C.E. Wilson, Jr. 2010. Development of a Nitrogen-Soil Test for Rice: N-ST\*R. Southern Plant Nutrient Management Conf.. Olive Branch, MS. 05-06 Oct.

**Norman, R.J.**, T.L. Roberts, N.A. Slaton, and C.E. Wilson, Jr. 2010. Utility of Urease and Nitrification Inhibitors in Preventing Nitrogen Loss and the Development of a Soil-Based Nitrogen Test. *In* Abstr. 2010 Forest Nutrition Cooperative Workshop and Contact Mtg.. Monticello, AR. 09-10 Jun.

**Norsworthy, J.K.** 2010. Weed Management Strategies and Processes. Pres. at the Syngenta's Crop Consultant Conf., Miami, FL. 16 Feb.

**Norsworthy, J.K.** 2010. Reducing the Risks of Glyphosateresistant Palmer amaranth. Pres. at the Respect the Rotation Tour, Weidner, AR. 15 Jul.

**Norsworthy, J.K.** 2010. Moisture Requirements for Herbicide Activation and How Much is Too Much? Pres. at the Glyphosate-Resistant Pigweed Symp. Forrest City, AR. 17 Nov.

**Norsworthy, J.K.**, N. Burgos, K. Smith, R. Scott, and M. McClelland. 2010. Herbicide Resistance in Arkansas Rice. Poster presentation at the Pan-American Weed Resistance Conf.. Miami, FL. Jan.

**Norsworthy, J.K.** 2010. Weed Resistance Screening and Potential Herbicide Resistance. Pres. at the AR Crop Management Conf., N. Little Rock, AR. 22 Jan.

**Norsworthy, J.K.** 2010. Crop Tolerance and Efficacy of Pyroxasulfone in Arkansas. Pres. to attendees of BASF Mtg., 26 Oct. Research Triangle, NC.

**Norsworthy, J.K.** 2010. Weed Resistance – An Issue That Will Not Go Away. Pres. at the AR Soybean Res. Conf., 07 Dec. Brinkley, AR.

**Oliver, L.R.** 2010. Palmer Biology – Germination, Growth, and Reproduction. PigSymposium at Forrest City .

**Oosterhuis, D.M.** 2010. The Effect of High Temperature Stress on Floral Development and Yield of Cotton. Beltwide mts, New Orleans, LA, 07 Jan

**Oosterhuis, D.M.** 2010. Measurement of High Temperature Response in Cotton Flowers. USDA NCERA-101. University of Wisconsin, Madison. 20-23 Mar.

**Oosterhuis, D.M.** 2010. The Use and Mode of Action of 1-Methylcyclopropene on Stressed Cotton. Syngenta mtg., Greensboro, NC. 20 Jan.

**Purcell, L.C.** 2010. Increasing Soybean Grain Yields - Practices to Consider. AR Soybean Res. Conf.. Brinkley, AR. 07 December.

**Purcell, L.C.** 2010. Soybean Drought Research. United Soybean Board Production Committee Mtg. Stuttgart, AR. 20 Jul.

**Purcell, L.C.**, T.E. Carter, Jr., and H.R. Boerma. 2010. Water Conversation and Prolonged N<sub>2</sub> Fixation Contributions towards Drought Tolerance. Molecular and Cellular Biology of the Soybean. Durham, NC. 10 August 2010.

**Purcell, L.C.** 2010. Physiological Challenges for Increasing Crop Yield: Resource Availability and Utilization. CSSA, Long Beach, CA. 31 Oct.- 03 Nov.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton, and C.E. Wilson, Jr. 2010. Nutrient Concentration in Rice Floodwater Following Fertilization. Certified Crop Advisor mtg. 22 Feb. Biloxi, MS.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). AR Crop Management Conf.. 19-22 Feb. Little Rock, AR.

**Roberts, T.L.** and S. Runsick. N-ST\*R Field Validation and Rice Agronomics. Presentation at Row-Crop In-Service Training. 10 Dec. Ferndale, AR.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton, and C.E. Wilson, Jr. 2010. Validation of a Nitrogen-Soil Test for Rice: N-ST\*R. Southern Plant Nutrient Management Conf.. Olive Branch, MS. 05-06 Oct.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton, and C.E. Wilson, Jr. 2010. Nutrient Concentration in Rice Floodwater Following Fertilization. Certified Crop Advisor Mtg.. 22 Feb. Biloxi, MS.

**Roberts, T.L.**, R.J. Norman, N.A. Slaton and C.E. Wilson, Jr. 2010. A Soil-Based Nitrogen Test for Rice (N-ST\*R). AR Crop Management Conf. 19-22 Feb. Little Rock, AR.

**Roberts, T.L.,** R.J. Norman, N.A. Slaton, and C.E. Wilson, Jr. 2010. Validation of a Nitrogen-Soil Test for Rice: N-ST\*R. Southern Plant Nutrient Management Conf. 05-06 Oct. Olive Branch, MS.

**Scott, J.T.,** 2010. Timescales and Mechanisms of Fixed Nitrogen Retention in Freshwater Benthic and Planktonic Communities. American Society of Limnology and Oceanography - Ocean Sciences Mtg. 22-26 Feb. Portland, OR.

**Sharpley, Andrew.** 2010. Modeling as a Tool for Decision Making. Presentation at the UofA Public Policy Center and the UALR Bowen School of Law Biennial Water Law and Policy Conf. AR 4-H Center, Little Rock, AR. 09 Nov.

**Sharpley, Andrew.** 2010. Critical Source Area Approach to Phosphorus Management. Plenary presentation at the thematic session of the 14th International Conf., International Water Assoc., Diffuse Pollution Specialist Group ([www.dipcon2010.org](http://www.dipcon2010.org)), Quebec City, 12015 Sept.

**Sharpley, Andrew.** 2010. The Long and Winding Road to Targeted Phosphorus Management, presentation at the Water Quality Workshop, Limno Tech, Ann Arbor, MI. 04-06 Aug.

**Sharpley, Andrew.** 2010. The Role of Science in Getting us Where We Need to Be and The SERA-17 P Indexing - 590 Revision Working Group. Presentations at the Ann. Southern Extension and Research Activity - Information Exchange Group Conf. (SERA-IEG 17), Madison WI. 26-30 Jul.

**Sharpley, Andrew.** 2010. Soil and Water Quality Indicators for Phosphorus. Speech at Soil Quality Indicators Round Table at the 50th Soil Science Congress of Argentina, Rosario, Argentina, May.

**Sharpley, Andrew.** 2010. Phosphorus Management in Environmentally Sound Agricultural Production Systems; Challenges and Opportunities. Keynote speaker at the 50th Soil Science Congress of Argentina, Rosario, Argentina, May.

**Sharpley, Andrew.** 2010. Sustainable Manure Management: Harmonizing Nutrient Utilization, Loss and Remediation. Presentation at the Conf. on "Nitrogen Assessment Science in the USA" sponsored by the Dentrification - Research Coordination Network (RCN), National Science Foundation in Boulder, CO. 17-20 May.

**Sharpley, Andrew.** 2010. Targeting Risky Management in Vulnerable Landscapes. Presentation at the Soil and Water Conservation Society Conf. on Managing Agricultural Landscapes for Environmental Quality: Achieving More Effective Conservation. Denver, CO. 27-30 Apr.

**Sharpley, Andrew.** 2010. EPA Scientific Advisory Board Overview of Hypoxia: Managing Nutrients that Cross State Boundaries. Presentation to the USDA-CSREES / NIFA National Water Conf. Hilton Head, SC. 21-15 Feb.

**Sharpley, Andrew.** 2010. Revision of the Arkansas Phosphorus Index. Presentation at the AR Conservation Partnership Luncheon, Little Rock, AR. 10 Mar.

**Sharpley, Andrew.** 2010. The Revised Arkansas Phosphorus Index. Presentation at the AR Farm Bureau, Environmental Issues Committee Mtg. Little Rock, AR. 01 Apr.

**Sharpley, Andrew.** 2010. Update on progress on the Arkansas Discovery Farm Program. Presentation at the Ann. Officers and Leaders Conf.. Springdale, AR. 20 Jul.

**Srivastava, V.** 2010. Site-Specific Recombination for Plant Transformation. Jawaharlal Nehru Univ, Dec 15.

### **Entomology**

**Dowling, A.P.G.** 2010. Systematics of dermanyssoid mites (Acari: Dermanyssina) and the evolution of parasitism. Southeastern Branch Meeting, Entomological Society of America, Atlanta, Georgia.

**Dowling, A.P.G.**, R. Ochoa, W. C. Welbourn and J. J. Beard. 2010. *Raoiella indica* (Acari: Tenuipalpidae): a rapidly expanding generalist among specialist congeners. International Congress of Acarology, Recife, Brazil.

**Goggin, F. L.** 2010. Influence of a fatty acid desaturase in tomato on plant defenses against a phloem-feeding herbivore. International Conference on Plant Vascular Biology, Ohio State University, Columbus, Ohio.

**Goggin, F. L.** 2010. Role of oxylipins in aphid resistance. AR EPSCoR P3 Center Symposium, Winthrop Rockefeller Institute, Petit Jean, Arkansas.

**Goggin, F. L.** 2010. Using model systems to study the role of a fatty acid desaturase in plant defenses against aphids. Entomological Society of America meeting, San Diego, California.

**Goggin, F. L.**, and Lorence, A. 2010. Intersection of ascorbate regulation, jasmonate signaling, and defense against herbivores in plants. AR EPSCoR P3 Center Symposium, Winthrop Rockefeller Institute, Petit Jean, Arkansas.

**Goggin, F. L.**, J. Reese and F. Francis. 2010. *Mi-1.2*, a model for R-gene mediated insect resistance. International Plant Resistance to Insects Workshop, Charleston, South Carolina.

**Luttrell, R. G.** 2010. Detection and indication of resistance including sampling and screening. Semi-Annual Meeting of Biopesticide Industry Alliance, “*The Value of Biopesticides in Resistance Management*.” Government Conference Centre, Ottawa, Ontario, Canada.

Haavik, L. J., and F. M. **Stephen**. Historical dynamics of red oak borer (*Enaphalodes rufulus*) and its host, northern red oak (*Quercus rubra*). Department of Entomology, University of California, Riverside, Riverside, California.

**Stephen, F. M.**, L. J. Haavik, M. K. Fierke, J. J. Riggins, L. D. Galligan and J. M. Guldin. 2010. Infestation history and causes of red oak borer population change in Arkansas. International Forest Insect Research and Advisory Workshop, Breckenridge, Colorado.

**Stephen, F. M.**, L. J. Haavik, M. K. Fierke, J. J. Riggins, L. D. Galligan and J. M. Guldin. 2010. The recent oak decline and red oak borer outbreak in Arkansas. Southern Hardwood Forest Research Group, Stoneville, Mississippi.

**Szalanski, A. L.** 2010. Molecular research on bed bugs. Entomological Society of America, San Diego, California.

**Wiedenmann, R. N.** 2010. Foreseeing the future requires consulting the past: Machiavelli and biofuels. Department of Biology, University of Arkansas – Little Rock.

**Wiedenmann, R. N.** 2010. Foreseeing the future requires consulting the past: Machiavelli and biofuels. Department of Biological Sciences, University of Arkansas – Fayetteville.

**Wiedenmann, R. N.** 2010. The interplay between applied and basic entomology: biological control of an invasive wetland weed. Department of Entomology and Plant Pathology, Oklahoma State University.

## Other Lectures, Paper and Oral Presentations

**Barnes, J. K., M. E. Slay and S. J. Taylor.** 2010. Adult Diptera from Ozark caves. Arkansas Entomological Society, Fayetteville, Arkansas.

Bacon, P. A., S. D. Longing, A.P.G. **Dowling** and G. R. Huxel. 2010. Population structure and dispersal capacity of *Heterosternuta sulphuria* (Coleoptera: Dytiscidae: Hydroporinae) in Ozark streams. North American Benthological Society, Santa Fe, New Mexico. (poster)

**Dowling, A.P.G., R. Ochoa and J. J. Beard.** 2010. An update on the phylogenetics of the genus *Raoiella* (Acari: Tenuipalpidae). Entomological Society of America, San Diego, California.

Fisher, J. R., and A.P.G. **Dowling.** 2010. Velvet mites of the Ozarks and Cybertaxonomy. Acarological Society of America, San Diego, California.

Ochoa, R., J. J. Beard, G. R. Bauchan, E. A. Ueckermann, W. C. Welbourn and A.P.G. **Dowling.** 2010. *Raoiella*: more than meets the eye. International Congress of Acarology, Recife, Brazil.

Paré, J. A., A.P.G. **Dowling** and A. L. Newton. 2010. Mites on captive invertebrates, to treat or not to treat? American Association of Zoo Veterinarians, South Padre Island, Texas. (poster)

Skvarla, M. J., and A.P.G. **Dowling.** 2010. Some interesting biogeography in the Interior Highlands. Acarological Society of America, San Diego, California.

Yates, D. L., J. F. Taulman, A.P.G. **Dowling**, L. A. Durden and A. F. Newton. 2010. Invertebrates associated with nests of southern flying squirrels - a preliminary report. Missouri Academy of Science Meeting, Springfield, Missouri. (poster)

Arevalo-Soliz, L. M., L. Jia and F. L. **Goggin.** 2010. Role of *Alpha Deoxygenase 1* (DOX1) in plant-aphid interactions. International Plant and Animal Genome Conference, San Diego, California. (poster)

Avila, C., L. M. Arevalo-Soliz, L. Jia, D. Navarre and F. L. **Goggin.** Impact of fatty acid desaturase 7 in tomato on plant-insect interactions. International Plant Resistance to Insects Workshop, Charleston, South Carolina. (poster)

Avila, C., L. M. Arevalo-Soliz, L. Jia, C. Wu, G. A. Howe, D. Navarre and F. L. **Goggin.** 2010. Loss of function of fatty acid Desaturase 7 enhances aphid resistance in a salicylate-dependent manner. AR EPSCoR P3 Center Symposium, Winthrop Rockefeller Institute, Petit Jean, Arkansas.

Carruthers, K., C. A. Avila, W. P. Suza, A. Lorence and F. L. **Goggin.** 2010. Impact of foliar ascorbate content on insect herbivores with different feeding types. International Plant Resistance to Insects Workshop, Charleston, South Carolina.

**Goggin, F. L., V. Srivastava and D. J. Carrier.** 2010. From field to table: a workshop on the science behind plants for food and fuel. Jack G. Justus Teaching Improvement Symposium. (poster)

Kulkarni, S., W. P. Suza, J. Yactayo-Chang, M. V. Khodakovskaya, F. L. **Goggin** and A. Lorence. 2010. Engineering elevated Vitamin C in tomato for enhanced growth and stress tolerance. AR EPSCoR P3 Center Symposium, Winthrop Rockefeller Institute, Petit Jean, Arkansas. (poster)

Pallipparambil, G. R., J. C. Reese, C. A. Avila, J. M. Louis and F. L. **Goggin.** 2010. *Mi*-mediated aphid resistance in tomato: tissue localization and impact on the feeding behavior of two potato aphid clones with differing levels of virulence. International Plant Resistance to Insects Workshop, Charleston, South Carolina. (poster)



- Pallipparambil, G. R., J. Shapiro and F. L. **Goggin**. 2010. *Mi*-mediated resistance in tomato (*Solanum lycopersicum*) has a direct negative effect on two species of minute pirate bugs. International Plant Resistance to Insects Workshop, Charleston, South Carolina. (poster)
- Potts, K., C. Avila and F. L. **Goggin**. 2010. Identification of Arabidopsis MIOX4 over-expressing lines with high vitamin C content. George Washington Carver Research Symposium, University of Arkansas, Fayetteville, Arkansas. (poster)
- Radin, J., W. Suza, F. L. **Goggin** and A. Lorence. 2010. Ascorbate regulation in Arabidopsis Jasmonate, Ethylene, and Absciscic Acid Mutants. INBRE Research Conference, Fayetteville, Arkansas. (poster)
- Walker, C., R. J. **Sayler** and F. L. **Goggin**. 2010. Detection of reniform nematode by conventional and real-time PCR. American Phytopathological Society, Charlotte, North Carolina. (poster)
- Walker, C., R. J. **Sayler** and F. L. **Goggin**. 2010. Detection of reniform nematode by conventional and real-time PCR. AR EPSCoR P3 Center Symposium, Winthrop Rockefeller Institute, Petit Jean, Arkansas.
- Walker, C., R. J. **Sayler** and F. L. **Goggin**. 2010. Detection of reniform nematode by conventional and real-time PCR. INBRE Research Conference, Fayetteville, Arkansas.
- Walker, C., R. J. **Sayler** and F. L. **Goggin**. 2010. Real-time PCR detection and quantification of Reniform nematode. IDeA Networks of Biomedical Research Excellence Outreach Day, Little Rock, Arkansas.
- Johnson**, D., S. Sleezer, B. Lewis, C. **Rothrock**, F. **Goggin** and M. **Savin**. 2010. Grape phylloxera seasonal biology, predictive model and management in the Ozark region of the USA. 5<sup>th</sup> Phylloxera Symposium, Vienna, Austria.
- Petty, B., D. **Johnson**, M. Richardson and D. **Steinkraus**. 2010. Classical biological control of Japanese beetle (*Popillia japonica*) in Arkansas using *Ovavesicula popilliae*. Arkansas Crop Protection Association Conference, Fayetteville, Arkansas.
- Singh, N., D. T. **Johnson**, C. D. **Steelman** and A. L. **Szalanski**. 2010. Baseline dose-response of lesser mealworm, *Alphitobius diaperinus* (Coleoptera: Tenebrionidae) to insect growth regulators. Entomological Society of America, San Diego, California.
- Kring**, T. J. 2010. Biological control of invasive species: Discrimination against immigrants or justifiable pesticide? Southeastern Branch of the Entomological Society of America, Atlanta, Georgia.
- McWilliams, B. J., T. J. **Kring** and Y. J. Shen. 2010. Early season population dynamics and impact of seed treatments on bird cherry-oat aphid, *Rhopalosiphum padi* in Arkansas winter wheat. Entomological Society of America, San Diego, California.
- McWilliams, B. J., T. J. **Kring** and Y. J. Shen. 2010. Early season population dynamics of bird cherry-oat aphid, *Rhopalosiphum padi* in Arkansas winter wheat. Southeastern Branch of the Entomological Society of America, Atlanta, Georgia.
- McWilliams, B. J., T. J. **Kring** and Y. J. Shen. 2010. Implications of bird-cherry oat aphid populations on vectoring barley yellow dwarf virus in winter wheat. Arkansas Entomological Society, Fayetteville, Arkansas.

Minteer, C. R., T. J. **Kring**, Y. J. Shen and R. N. **Wiedenmann**. 2010. *Larinus minutus* (Coleoptera: Curculionidae), a biological control agent of spotted knapweed (*Centaurea stoebe* ssp. *micranthos*), established in Arkansas. Entomological Society of America, San Diego, California.

Minteer, C. R., T. J. **Kring**, Y. J. Shen and R. N. **Wiedenmann**. 2010. The introduction of *Larinus minutus* Gyll. (Coleoptera: Curculionidae) to spotted knapweed populations in Arkansas. Southeastern Branch of the Entomological Society of America, Atlanta, Georgia.

**Luttrell**, R. G. 2010. Entomology research results. Arkansas Pecan Growers Meeting, Little Rock, Arkansas.

**Luttrell**, R. G. 2010. Interaction between crops and insects. Mississippi Agricultural Consultants Meeting, Starkville, Mississippi.

**Luttrell**, R. G. 2010. Pecan ipmPIPE. Arkansas Pecan Growers Meeting, Little Rock, Arkansas.

**Luttrell**, R. G. and M. I. Ali. 2010. Measuring generation survival of bollworm on Bollgard and Bollgard II cotton: Implications for resistance monitoring. Beltwide Cotton Conference, New Orleans, Louisiana.

**Luttrell**, R. G., J. A. Smith, R. N. **Wiedenmann**, J. K. **Barnes** and M. K. Harris. 2010. Pecan Nut Casebearer in Arkansas: Seasonal biology and management options via an ipmPIPE Project. Southeastern Branch of the Entomological Society of America, Atlanta, Georgia.

**McLeod**, P. 2010. Impact of thrips on cowpea. 9th European Congress of Entomology, Budapest, Hungary.

**McLeod**, P. J. 2010. Vegetable production with \$10 diesel. Ozark Food Processors meeting, Springdale, Arkansas.

Keeler, D. M., D. C. **Steinkraus** and F. M. **Stephen**. 2010. Arkansas Siricidae: Adult phenology and nematode parasites. Southern Forest Insect Work Conference, Wilmington, North Carolina.

Keeler, D. M., D. C. **Steinkraus** and F. M. **Stephen**. 2010. Phenology, diversity and associated nematodes of native Siricidae throughout Arkansas. Entomological Society of America, San Diego, California.

Galligan, L. D., D. M. Keeler, A. Lynn-Miller, K. J. Dodds and F. M. **Stephen**. 2010. In pursuit of natural history and natural enemies of Arkansas Siricidae. Southern Forest Insect Work Conference, Wilmington, North Carolina.

Haavik, L. J., J. S. Jones and F. M. **Stephen**. 2010. Current understanding of an emergent native oak forest pest: red oak borer outbreak and population crash. Entomological Society of America National Meeting, San Diego, California. (poster)

Haavik, L. J., J. S. Jones and F. M. **Stephen**. 2010. Current understanding of an emergent native oak forest pest: red oak borer outbreak and population crash. Southern Forest Insect Work Conference, Wilmington, North Carolina. (poster)

Haavik, L. J., and F. M. **Stephen**. 2010. Historical activity of a native wood-borer in relation to climate in the Ozark and Ouachita Mountains, Arkansas. Western Forest Insect Work Conference, Flagstaff, Arizona.

Haavik, L. J., and F. M. **Stephen**. 2010. Historical dynamics of red oak borer and its host, northern red oak. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Hartshorn, J. A., A. J. Lynn-Miller, L. D. Galligan and F. M. **Stephen**. 2010. Biology of native Siricidae and their natural enemies. Arkansas Entomological Society, Fayetteville, Arkansas. (poster)

Jones, J. S., and F. M. **Stephen**. 2010. Historical Landsat data as a tool to detect forest canopy change during a native insect outbreak. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Jones, J. S., J. A. Tullis and F. M. **Stephen**. 2010. Historical Landsat data as a tool to detect forest canopy change during a native insect outbreak. Western Forest Insect Work Conference, Flagstaff, Arizona.

Keeler, D. M., A. Lynn-Miller, L. D. Galligan and F. M. **Stephen**. 2010. Phenology and diversity of Arkansas Siricidae. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Tullis, J. A., J. S. Jones, A. T. Lingelbach, J. Defibaugh y Chavez and F. M. **Stephen**. 2010. LIDAR and spectral interpretation of decadal changes in the Ozark National Forest. American Society for Photogrammetry and Remote Sensing, San Diego, California.

Magnus, R., and A. L. **Szalanski**. 2010. Mitochondrial DNA variation of queen breeder and feral honey bee populations in the United States. Entomological Society of America, San Diego, California.

**Szalanski**, A. L., R. Magnus and J. L. Bernhardt. 2010. Molecular association of tabanid life stages using a mitochondrial DNA marker. Entomological Society of America, San Diego, California.

**Szalanski**, A. L., R. Trout, J. W. Austin, R. Magnus and D. Charlwood. 2010. Temporal genetic variation, and bloodmeal identification of *Anopheles funestes* and *An. gambiae* mosquitoes from Mozambique. 4th Arthropod Genomics Symposium, Kansas City, Missouri.

**Szalanski**, A. L., J. Whitaker and P. Cappy. 2010. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. North American Beekeeping Conference, Orlando, Florida.

Tripodi, A. D., R. Magnus and A. L. **Szalanski**. 2010. Genetic diversity of bumble bees from central United States. Entomological Society of America, San Diego, California.

Tripodi, A., R. Magnus and A. L. **Szalanski**. 2010. Genetic diversity of bumble bees in south central United States. International Conference on Pollinator Biology, Health and Policy, State College, Pennsylvania.

Trout, R. T., A. L. **Szalanski**, J. W. Austin, R. Magnus and D. Charlwood. 2010. Temporal genetic variation, and bloodmeal identification of *Anopheles funestes* and *An. gambiae* mosquitoes from Mozambique. Entomological Society of America, San Diego, California.

**Wiedenmann**, R. N., T. N. Wood, S. Raghu and J. L. Spencer. 2010. Pest management and biofuel crops. Southeastern Branch meeting, Entomological Society of America, Atlanta, Georgia

### **Horticulture**

**Andersen**, C.R. 2010. Master Gardener training, Benton County

**Andersen**, C.R. 2010. Master Gardener training, Washington County

**Andersen**, C.R. 2010. Master Gardener training, Pope/Yell County

**Andersen**, C.R. 2010. Master Gardener training, Garland/Saline County

**Andersen, C.R.** 2010. Master Gardener training, Union County

**Andersen, C.R.** 2010. Master Gardener training, Sharp County

**Andersen, C.R.** 2010. Master Gardener training Ouchita County

**Andersen, C.R.** 2010. Master Gardener training,Carrol County

**Andersen, C.R.** 2010. Master Gardener training, Boone County

**Andersen, C.R.** 2010. Master Gardener training, Baxter County

**Andersen, C.R.** 2010. Master Gardener training, Pulaski County

**Andersen, C.R.** 2010. Master Gardener training, Faulkner County

**Andersen, C.R.** 2010. Master Gardener training, Miller County

**Andersen, C.R.** 2010. Master Gardener training, Cleburne County

**Andersen, C.R.** 2010. Master Gardener training, Logan County

**Andersen, C.R.** 2010. Master Gardener training, Polk County

**Andersen, C.R.** 2010. Master Gardener training, Craighead County

**Andersen, C.R.** 2010. Vegetable Gardening Seminar, Baxter County

**Clark, J.R.** 2010. Do You Have Any Idea What Has Been Going On With Blackberries in the US in the Last 10 Years?. Presented to Berry Exchange Management, Corindi Beach, NSW, Australia. Feb 18, 2010.

**Clark, J.R.** 2010.Blackberries in Florida. Presented to the Fla Blackberry Growers Assn, Mt Dora Fl, Jan 13, 2010.

**Clark, J.R.** Breeding Muscadine Grapes: A new initiative at the Univ of Arkansas. Ga Fruit and Veg Conf/ GaMuscadineAssn, Savannah Ga Jan 9, 2010.

**Clark, J.R.** 2010. Blackberry Varieties and new Developments in the Southeast: Success and potential. No American Raspberry and Blackberry Assn, Savannah Ga, Jan 8, 2010.

**Clark, J.R.** 2010. Things Learned in 2009 About Blackberry Varieties and Selections (and other stuff). SunnyRidge Farm Growers Meeting, Orlando, FL Jan 16, 2009.

**Clark, J.R.** 2010.Blackberries Around the World – Observations and Stories SunnyRidge Farm Growers Meeting, Orlando, FL Jan 16, 2009.

**Clark, J.R.** 2010. Blackberry Varieties: Choices for Tennessee Growers. Tenn Viticultural and Oenological Society, TennHort Expo, Nashville TN Jan 30, 2010.

**Clark, J.R.** 2010. Arkansas Peaches and Nectarines Offer New Choices for Tennessee Growers. Tenn Fruit and Vegetable Assn, TennHort Expo, Nashville TN Jan 30. 2010.

**Clark, J.R.** 2010. Blackberry Varieties: Current Choices for Tennessee and New Developments On the Horizon. Tenn Fruit and Vegetable Assn, TennHort Expo, Nashville TN Jan 29, 2010.

**Clark, J.R.** 2010. Table Grapes: The Alternative Viticulture for Tennessee Producers. Tennessee Viticultural and Oenological Society, TennHort Expo, Nashville, TN Jan 29, 2009

**Clark, J.R.** 2010. Arkansas Peaches and Nectarines Offer New Choices for the Eastern United States. VaHorticultural Society, Staunton VA Jan 28, 2010.

**Clark, J.R.** 2010. Blackberry Varieties: Current Choices and New Developments On the Horizon Va Horticultural Society, Staunton VA Jan 27, 2010.

**Clark, J.R.** 2010. Blueberry Cultivars. CES Blueberry Workshop, Fayetteville, AR February, 2010.

**Clark, J.R.** 2010. Arkansas Fruit Breeding, Butterfield Trail Village, Fayetteville, April 12

**Clark, J.R.** 2010. Grape breeding update Fruit Research Station, Grape Field Day Aug 9.

**Clark, J.R.** 2010. SWREC fruit breeding update. Hort Field Day SWREC, Hope June 24.

**Clark, J.R.** 2010. Blackberry variety and cultural practices overview. University of California Cooperative Extension San Luis Obispo and Santa Barbara Counties October 26, 2010, Nipomo, CA.

**Clark, J.R.** 2010. New and Improved Produce: The Blackberry Story. Sams Club bloggers meeting Sept 16, 2010.

**Clark, J.R.** 2010. From the Briar Patch to the Marketplace: Genetic Advances and Opportunities in Blackberries. Dept seminar Univ of Minn Sept 22, 2010.

**Evans, M.R.** 2010. Poster presentation at the NACTA/SERD conference. "Alliance for Cooperative Course Exchange in the Plant Science" Pennsylvania State University, State College, PA. June 22- 25, 2010.

**Garcia, M.E.** 2010. Workshop organized and delivered to Arkansas Pecan Growers Association at their Annual Meeting.

**Garcia, M.E.** 2010. Enhancing Food Safety of Locally Marketed Specialty Crops. Workshop located in Fayetteville, Jonesboro and Pine Bluff.

**Garcia, M.E.** 2010. Workshop organized and delivered to Blueberry Growers.

**Garcia, M.E.** 2010. High Tunnel Production Workshop.

**Garcia, M.E.** 2010. Table Grapes Production.

**Garcia, M.E.** 2010. Assessment of Blueberry Industry in Arkansas. 70<sup>th</sup> Annual Meeting of the Southern Region ASHS. Atlanta, Ga.

**Garcia, M.E.** 2010. Effects of High Tunnels and Cane-Mowing Regimen on the Growing Degree Unit Response and Requirements of Primocane-Fruiting Blackberries. 70<sup>th</sup> Annual Meeting of the Southern Region ASHS. Atlanta, Ga.

**Karcher, D.E.** 2010. The use of wetting agents. Maryland Turfgrass Council 2010 Conference and Trade Show, University Park, MD. January 2010.

**Karcher, D.E.** 2010. Developing commercial cultivation programs to manage home lawns. Maryland Turfgrass Council 2010 Conference and Trade Show, University Park, MD. January 2010.

**Karcher, D.E.** 2010. Getting the most out of your water: managing athletic fields with reduced or no irrigation. Sports Turf Managers Association 2010 Conference. Orlando, FL. January, 2010.

**Karcher, D.E.** 2010. How wetting agents work. Arkansas Turfgrass Association Conference. Hot Springs, AR. January, 2010.

**Karcher, D.E.** 2010. UofA research update. Arkansas Turfgrass Association Conference. Hot Springs, AR. January, 2010.

**Karcher, D.E.** 2010. Gadgets and Gizmos (with Dr. Richardson). An 8-hr education program presented at the Golf Industry Show, San Diego CA. February, 2010.

**Karcher, D.E.** 2010. How wetting agents affect moisture in sand-based putting greens. Peaks and Prairies GCSA Almost Spring Meeting. Bozeman, MT. March, 2010

**Karcher, D.E.** 2010. Foliar fertilization of putting green turf. Peaks and Prairies GCSA Almost Spring Meeting. Bozeman, MT. March, 2010.

**Karcher, D.E.** 2010. Drought tolerance – new innovations. South Carolina Seedsmen's Association and South Carolina Fertilizer and Agrichemicals Association 2010 Convention. Myrtle Beach, SC. July, 2010.

Trappe, J., D. **Karcher**, M. **Richardson**, and A. Patton. 2010. Divot resistance varies among bermudagrass and zoysiagrass cultivars. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Anderson, J., D. **Karcher**, M. **Richardson**, and A. Patton. 2010. Planting method affects the establishment quality of sports turf. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Strunk, W., D. **Karcher**, A. Patton, and M. **Richardson**. 2010. Golf shot quality is affected by ball lie. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Blythe, E.K., W. Dunwell, E. Bush, J.W. Adelberg, M. Arnold, R. Bracy, Y. Chen, D. Fare, W. Klingeman, P. Knight, G. Knox, A.V. LeBude, J. **Lindstrom**, A.X. Niemiera, A. Owings, J. Robbins, J. Ruter, and T.P. West. 2010. Nursery crop and landscape systems plant evaluations by SERA-27 in the southeastern U.S.: 2010 update. Poster presented at: Eastern Region of North America, International Plant Propagators' Society Annual Meeting in Warwick, Rhode Island, September/October, 2010; Southern Region of North America, International Plant Propagators' Society Annual Meeting in Raleigh, North Carolina, October, 2010; Ornamental Horticulture Field Day–South Mississippi Branch Experiment Station in Poplarville, Mississippi, October 2010.

**McDonald, G.V.** 2010. Texas Nursery Landscape Association Pre-Expo Educational Conference. San Antonio, TX. August 19, 2010. Update on new sustainable landscape plant material.

**McDonald, G.V.** 2010. Central Arkansas Water. Managing drinking water resources for a sustainable future. North Little Rock, AR. September 15, 2010. Smart lawn watering techniques: update on sustainable landscaping.

**McDonald, G.V.** 2010. Department of Horticultural Sciences, Texas A&M University, College Station, TX. October 15, 2010. Lecture on tropical plants to Hort 608 and research update.

Quirico, M., & **Murphy**, J.B. Regulation of carotenoid metabolism in sweet potato (*Ipomoea batatas* L. Lam.) storage roots. South. Sect. Amer. Soc. Plant Biol., Knoxville, TN, April 10-12.

**Richardson**, M.D. 2010. Response of bermudagrass lawns to various nitrogen formulations. Technical report prepared for Lebanon Seaboard Co.

**Richardson**, M.D. and A.J. Patton. 2010. Large patch control in zoysiagrass using various fungicides. Technical report prepared for Syngenta Crop Protection.

**Richardson**, M.D. 2010. Tools of the trade: New technology to enhance your course. Northern California Golf Association Boot Camp, Pebble Beach CA.

**Richardson**, M.D. 2010. Winning or losing: Things that make a big difference in your foliar fertility program. Northern California Golf Association Boot Camp, Pebble Beach CA.

**Richardson**, M.D. 2010. Using foliar nitrogen. Golf Session - Arkansas Turfgrass Association Annual Meeting. Hot Springs AR.

**Richardson**, M.D. 2010. Drought tolerance research update Basic / Irrigation Session - Arkansas Turfgrass Association Annual Meeting. Hot Springs AR.

**Richardson**, M.D. 2010. Research update - Lawncare Session - Arkansas Turfgrass Association Annual Meeting. Hot Springs AR.

**Richardson**, M.D. 2010. Seeded bermudagrass cultivars and cultivation for southern Europe. Bottosementi Education Conference. Verona, Italy.

Moseley, D., A. Patton, J. Trappe, M. **Richardson**, and D. **Karcher**. 2010. Performance of St. Augustinegrass cultivars in the transition zone. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Patton, A., M. **Richardson**, D. **Karcher**, and J. Trappe. 2010. Zoysiagrass performance in Arkansas as influenced by nitrogen rate, mowing height, and cultivar. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Stiegler, J., M. **Richardson**, J. B. **Murphy**, D. Oosterhuis, D. **Karcher**, and R. Norman. 2010. Influence of leaf cuticular wax amount and composition on foliar-applied nitrogen absorption by creeping bentgrass. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

Young, J., M. **Richardson**, and D. **Karcher**. 2010. Evaluating ball mark severity and recovery using digital imaging analysis. ASA / CSSA / SSSA Annual Meeting, Long Beach CA.

**Robbins**, J.A. 2010. Statewide Plant Evaluation Trial Results. NW Ark. Green Industry Days, Fayetteville, 9/2.

**Robbins**, J.A. 2010. Growing Plants in Rice Hull Media. Mid-south Green Industry Conf., Raymond, MS. 7/21.

**Robbins**, J.A. 2010. Fertilizer Basics. Univ. of Ark. Turfgrass Field Day, Fayetteville, 8/4.

**Robbins**, J.A. 2010. Ornamentals for Southern Arkansas – the Statewide Plant Evaluation Program, Hope Rsch. & Ext. Cntr. Field Day. 6/24.

**Robbins**, J.A. 2010. A Roundtable Discussion on Innovations in Effective Container Fertility. Tigard, OR. 3/17.

**Robbins, J.A.** 2010. A Blast from the Past – Jim’s Top 10 Plants. Saline County Master Gardener Annual Plant Sale. Benton. 4/17.

**Robbins, J.A.** 2010. Trees for Arkansas. White Co. MG. 3/4.

**Robbins, J.A.** 2010. Plant Propagation Techniques, White Co. MG. 3/4.

**Robbins, J.A.** 2010. Planting. 2010 Landscape Short Course, Hernando, MS. 2/18.

**Robbins, J.A.** 2010. Tree & Shrub Pruning. 2010 Landscape Short Course, Hernando, MS. 2/18.

**Robbins, J.A.** 2010. Fertilizing Landscape Plants. 2010 Landscape Short Course, Hernando, MS. 2/18.

**Robbins, J.A.** 2010. Landscape & Pesticide Calculations. 2010 Landscape Short Course, Hernando, MS. 2/18.

**Robbins, J.A.** 2010. Landscape Weed Control. 2010 Landscape Short Course, Hernando, MS. 2/19.

**Robbins, J.A.** 2010. Landscape Tree ID. 2010 Landscape Short Course, Hernando, MS. 2/19.

**Robbins, J.A.** 2010. Top Ten List of Trees for Arkansas. 2010 Ark. Urban Forestry Council Conf., Ft. Smith, 2/9.

**Robbins, J.A.** 2010. Plant Nutrition for the Nursery Grower. Western University, Overland Park, MO, 1/4.

**Robbins, J.A.** 2010. Ten Things Every Turf Manager Should Know About Maintaining Trees & Shrubs. Ark. Turfgrass Assoc. Conf., Hot Springs, 1/20.

**Robbins, J.A.** 2010. Shrubs for Arkansas Landscapes. Miller Co. MG, Texarkana, 10/5.

**Robbins, J.A.** 2010. Trees for Arkansas Landscapes. Miller Co. MG, Texarkana, 10/5.

**Robbins, J.A.** 2010. Hobby Greenhouses. Garvan Woodland Gardens Gardening 101, Hot Springs, 11/16.

Gomez, C. and J. **Robbins**. 2010. Effect of parboiled rice hulls on physical and chemical properties of amended pine bark substrates and the growth of container-grown ornamentals. 55<sup>th</sup> Annual Southern Nursery Association Research Conf., 1/21/10

**Rom, C.R.** 2010. High Tunnels for Extended Season Production. Keynote speaker at the Mississippi State University, Miss. Department of Agriculture, and Miss. NRCS High Tunnel Field Day.

**Rom, C.R.** 2010. Fruit Production in High Tunnels. Southern Sustainable Agriculture Working Group, Southern Sustainable Agriculture Research and Extension Program, and the AR-NRCS Organic Horticulture Training for Agricultural Professionals.

**Rom, C.R.** 2010. High Tunnel Opportunities and Challenges. UA CES Workshop.

**Rom, C.R.** 2010. High Tunnel Fruit Production in AR. UA CES Fruit Workshop, Faulkner County.



**Rom, C.R.** 2010. The Potentials of Organic Fruit Production in Arkansas. UA CES Fruit Workshop, Faulkner County.

**Rom, C.R.** J. McAfee, J. Friedrich, E. **Garcia**, D.T. Johnson, J. Popp, and M. Savin. 2010. Early performance of an organic apple orchard as affected by nutrient source and ground cover management system. Proceedings of the 29<sup>th</sup> Arkansas-Oklahoma Horticulture Industries Show 29:80-83. (CD-Rom, digital publication)

**Rom, C.R.**, H. Friedrich, J. McAfee, E. **Garcia**, D.T. Johnson, and J. Popp. 2010 Opportunities and Challenges for High Tunnel Fruit Production in the Arkansas-Oklahoma Region. Proceedings of the 29<sup>th</sup> Arkansas-Oklahoma Horticulture Industries Show (CD-Rom, digital publication)

**Rom, C.R.** I Am Hungry. Comments on the Observance of World Food Day. Campus-wide address, Keynote presentation.

**Rom, C.R.** 2010. Fruit Production in the US; The Current Status and Future. Presented to the College of Horticulture and Landscapes, Beijing Forestry University. China

**Rom, C.R.** 2010. Fruit Production and Higher Education in the US. Presented to the College of Horticulture and Forestry, Huazhong Agricultural University. China.

**Rom, C.R.** 2010. Tunnel Vision: Protected Agriculture in China. Seminar Presentation to the Department of Crops, Soils and Environmental Sciences, University of Arkansas.

**Rom, C.R.** and J. Robbins. 2010. China: A study of contrasts. Seminar Presentation to the Department of Horticulture, University of Arkansas

**Rom, C.R.** 2010. Tips for Successful Teaching. Seminar/Workshop presentation to UA New Faculty Orientation Workshop.

**Rom, C.R.** 2010. Ni Hao to Oh Wow! Seminar Presentation to the Rotary Club of Fayetteville.

### **Human Environmental Sciences**

Abreo, C., Miller, W.P., McCollough, S., Farmer, F.L, Moon, Z.K. (Team) 2010. Small business start-up guide for hispanic entrepreneurs. Cooperative Extension Service, University of Arkansas – Division of Agriculture. MP497.

Abreo, C., Miller, W.P., **Farmer, F.L**, Moon, Z.K., McCollough, S. (Team) 2010. Hispanic entrepreneur needs assessment. Cooperative Extension Service, University of Arkansas – Division of Agriculture. MP496.

Baker, D., & **Ogbeide, G.A.**, (2010). Understanding the economic impact of tourism in the caribbean region using the tourism satellite account (TSA). *International Council on Hotel, Restaurant and Institutional Education Annual Conference & Exposition (I-CHRIE), San Juan, Puerto Rico.*

Farmer, F.L, Miller, W.P., Moon, Z.K. and Davis, D. (Team). (2010/2011). *Arkansas Rural Profile 2011 A Look a Social and Economic Trends Effecting Rural Arkansas.* Division of Agriculture.

Link, C.D. & **Bailey, W.C.** (2010). Emotional intelligence, narcissism, and relationship satisfaction among female college students. *Discovery: The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences*, 11, 27-32.

Moon, Z.K., Abreo, C, **Farmer, F.L**, Miller, W.P, McCollough, S. (Team) (2010). Entrepreneurial development targeting rural hispanic immigrants. Cooperative Extension Service, University of Arkansas – Division of Agriculture. MP495.

**Ogbeide, G.A., & Baker, D.** (2010). Food safety, biosecurity and bioterrorism: are foodservice operators prepared. *International Council on Hotel, Restaurant and Institutional Education Annual Conference & Exposition (I-CHRIE)*, San Juan, Puerto Rico.

**Ogbeide, G.A., & Baker, D.** (2010). The challenging trend of green restaurants in the twenty first century. *International Council on Hotel, Restaurant and Institutional Education Annual Conference & Exposition (I-CHRIE)*, San Juan, Puerto Rico.

Ottenbacher, M., **Harrington, R.J.** & Struzik, N. Culinary tourism – lessons on implementation from southern Germany. (2010). *CHME 19<sup>th</sup> Annual Research Conference*, Horsley Towers, UK.

**Turner, M.J.**, Young, C.R., & Jones, R.C. (2010). Mother-in-law/Daughter-in-law relationship satisfaction: What helps? What hinders? Electronically published on CD by Gerontological Society of America.

**Turner, M.J.**, & Young, C.R., **Bailey, W.C.** (2010). The Development of the Mother-in-Law Styles Indicator (MiLSI). Electronically published on CD by Gerontological Society of America.

## Other Creative Endeavors

**Crandall, M., Baldwin, V. & Krotke, K.** (2010). *Something Important Happens Every Day*. Documentary Film.

### Plant Pathology

**Kirkpatrick, T.L.**, R.T. Robbins, R.W. Cartwright, R.J. Bateman, and J.C. Robinson. 2010. Delivering nematology courses to traditional and non-traditional students at the University of Arkansas. 49<sup>th</sup> Annual Meeting of the Society of Nematologists. July 11-14. Boise, ID.

**Kirkpatrick, T.L.** 2010. Nematodes in the mid-South: An ever-present threat. Tri-State Soybean Forum. Mississippi State University. January 8.

**Kirkpatrick, T.L.** 2010. Corn Disease and Corn/Cotton Nematode Interactions. Tri-County Cotton and Corn Production Meeting. Dumas. February 9.

**Korth, K.L.** : “Utilizing Genetic Tools of *Medicago truncatula* to Dissect Mechanisms of Insect Resistance”. International Plant Resistance to Insects 19<sup>th</sup> Biennial Workshop, Charleston, SC, March, 2010.

Winters, S. A., **C. S. Rothrock**, E. E. Gbur, L. Verhalen, T. S. Isakeit, W. E. Batson, F. M. Bourland, P. D. Colyer, H. W. Kaufman, T. A. Wheeler, G. L. Sciumbato, K. S. Lawrence, A. Y. Chambers, P. M. Thaxton, W. S. Gazaway, T. L. Kirkpatrick, P. M. Phipps, D. R. Sumner, L. J. Littlefield, G. B. Padgett, F. M. Shokes, R. B. Hutmacher, R. M. Davis, K. W. Seebold, J. D. Mueller, J. D. Barham, M. A. Newman, and R. H. Garber. 2010. Role of *Pythium* spp. in the seedling disease complex on cotton; results from the National Cottonseed Treatment Trials Annual meeting of the American Phytopathological Society. August 7-11 Charlotte, NC

**Rupe, J.** 2010. Green bean syndrome: What is it? Southern Field Crop Alliance Meeting, 13-14 January 2010. Tunica, MS.

**Rupe, J.C.** 2010. Multi-environment testing for charcoal rot resistance: A regional approach. Soybean Breeders'/Plant Pathologist's Meeting. 22-23 February 2010. St. Louis, MO.

**Rupe, J.C.** 2010. Green bean syndrome. Milan No-Till Crop Production Field Day. 22 July 2010. Milan, TN

**Rupe, J.C.** 2010. Resistance in Archer soybean to *Pythium* spp. presented at the Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, 3 September 2010, Wuhan, P.R. China. Also presented to the Department of Plant Pathology, Huazhong Agricultural University, 6 September 2010, Wuhan, P.R. China.

**Tzanetakakis, I.E.** Vein necrosis and Green bean syndrome. 2010 Soybean Research Conference, December 2010.

**Tzanetakakis, I.E.** How many viruses make a disease? The Gordian knot of small fruit virology. APS annual meeting. APS 2010 annual meeting, August 2010, Charlotte, NC. INVITED PRESENTATION as an awardee of the Schroth Future Faces in Virology

**Tzanetakakis, I. E.** Rubus viruses: How many are out there? North America Raspberry and Blackberry Growers Association, February 2010, Monterey, California.

**Tzanetakakis, I. E.** Virus diseases of blackberry and blueberry in the South. Horticulture Industries Show, January, 2010, Tulsa, Oklahoma.

**Tzanetakakis, I. E.** Bramble viruses: What you need to know. Georgia Fruit and Vegetable Growers Association annual meeting, January 2010, Savannah, Georgia.

**Tzanetakakis, I.E.** The Gordian knot of small fruit virology: How many viruses make a disease? 12 April 2010, Clemson University, South Carolina.

### **Poultry Science**

**Anthony, N.,** 2010. Poultry Selection and breeding practices. Macfarlane Pheasant Farms, Janesville, Wisconsin.

**Bramwell, K.,** 2010. Embryodiagnosis through hatch residue breakout. Presented at the MacFarlanes Pheasant Management Seminar, Janesville, WI.

**Bramwell, K.,** 2010. Hatching egg handling and storage to optimize hatchability. Presented at the MacFarlanes Pheasant Management Seminar, Janesville, WI.

**Bramwell, K.,** 2010. Fertilization and hatching egg handling and care for Guinea Fowl producers. Presented at the International Guinea Fowl Breeders Annual Meeting, Fayetteville, AR.

**Bramwell, K.,** 2010. Broiler breeder management and how to optimize hatchability before the eggs get to the hatchery. Presented at the Jamesway Incubation and Hatchery Management Seminar, Yantai, China.

**Bramwell, K.,** 2010. Effects of Carbon Dioxide on Embryo Development, Incubation and Broiler Performance. Presented at the Jamesway Incubation and Hatchery Management Seminar, Yantai, China.

**Bramwell, K.,** 2010. Broiler breeder management and how to optimize hatchability before the eggs get to the hatchery. Presented at the Jamesway Incubation and Hatchery Management Seminar, Beijing, China.

**Bramwell, K.,** 2010. Effects of Carbon Dioxide on Embryo Development, Incubation and Broiler Performance. Presented at the Jamesway Incubation and Hatchery Management Seminar CP Management personnel, Beijing, China.

**Bramwell, K.,** 2010. Broiler breeder management and how to optimize hatchability before the eggs get to the hatchery. Presented at the Jamesway Incubation and Hatchery Management Seminar, Manila, Philippines.

**Bramwell, K.**, 2010. Effects of Carbon Dioxide on Embryo Development, Incubation and Broiler Performance. Presented at the Jamesway Incubation and Hatchery Management Seminar, Manila, Philippines.

**Bramwell, K.**, 2010. Broiler breeder management and how to optimize hatchability before the eggs get to the hatchery. Presented at the Jamesway Incubation and Hatchery Management Seminar, Jakarta, Indonesia.

**Bramwell, K.**, 2010. Effects of Carbon Dioxide on Embryo Development, Incubation and Broiler Performance. Presented at the Jamesway Incubation and Hatchery Management Seminar, Jakarta, Indonesia.

**Bramwell, K.**, 2010. Fertility, sperm binding and sperm storage in four commercial broiler breeder strains raised to different body weight guides. Presented to the S-1047 Regional Research Project – Reproductive Physiology in Poultry. Fayetteville, AR.

**Bramwell, K.**, 2010. Breeder management and egg handling, factors that affect hatchability before the incubator. Presented as part of the Jamesway Incubation and Hatchery Management Seminar, Bendigo, Australia.

**Bramwell, K.**, 2010. Carbon Dioxide and the developing embryo, benefits to both the embryo and the finished broiler. Presented as part of the Jamesway Incubation and Hatchery Management Seminar, Bendigo, Australia.

**Bramwell, K.**, 2010. Caring for newly hatched chicks, from the hatchery through seven days in the field. Presented as part of the Jamesway Incubation and Hatchery Management Seminar, Bendigo, Australia.

**Bramwell, K.**, 2010. The affects of female body weight on broiler breeder flock infertility. Presented at the Latin American Ross Association (LARA) Breeder Management Seminar, Albertville, AL.

**Bramwell, K.**, 2010. Evaluating Breeder flock fertility, tools in the field and in research. Presented at the Latin American Ross Association (LARA) Breeder Management Seminar, Albertville, AL. 2010.

Gadde, U., **Chapman, H.D.**, Rathinam, T., and Erf, G. F. 2010. Acquisition of immunity to the protozoan parasite *Eimeria adenoeides* in turkey poults and the peripheral blood leukocyte response to a primary infection. Southern Conference on Avian Diseases, International Poultry Scientific Forum, Atlanta, GA. January 25, 2010.

Rathinam, T., and **Chapman H. D.** 2010. Resistance of field isolates of *Eimeria* to the anticoccidial drugs amprolium, clopidol, diclazuril, and monensin in the turkey. Southern Conference on Avian Diseases, International Poultry Scientific Forum, Atlanta, GA. January 25, 2010.

**Chapman, H. D.** 2010. Forty years of monensin for the control of coccidiosis. European Coccidiosis Discussion Group Meeting, Veterinary Laboratories Agency, Weybridge, UK. May 27, 2010.

**Chapman, H. D.** 2010. Utilizacion de las drogas en la prevencion y control de la coccidiosis y su resistencia. 1era Jornada internacional en sanidad intestinal y coccidiosis aviar. Santa Cruz, Bolivia, March 26, 2010.

**Chapman, H. D.** 2010. Utilizacion correcta de las vacunas y sus características. 1era Jornada internacional en sanidad intestinal y coccidiosis aviar. Santa Cruz, Bolivia, March 27, 2010.

Gadde, U., T. Rathinam, **Chapman, H. D.**, G. F. Erf. 2010. Leukocyte profile of turkeys infected with *Eimeria adenoeides* and development of immunity during subsequent challenge. Annual Conference and National Symposium of Indian Poultry Science Association. Chennai, India. September 16-18, 2010.

T. Rathinam, and **H. D. Chapman**. Resistance of field isolates of *Eimeria* to the anticoccidial drugs amprolium, clopidol, diclazuril and monensin in the turkey. Annual Conference and National Symposium of Indian Poultry Science Association. Chennai, India, September 16-18, 2010.

**Chapman, H. D.** Drugs, vaccines, and natural products for coccidiosis control. Carolina Feed industry Association 37<sup>th</sup> Poultry Nutrition Conference, Research Triangle Park, NC. , November 10, 2010.

**Coon, C.** 2010. The phosphorus requirement for broiler breeders. American Soybean Association. International Poultry Exposition. Atlanta, GA. January 26, 2010.

**Coon, C.** 2010. The integration of the broiler and layer industries of the U.S. American Soybean Association. International Poultry Exposition. Atlanta, GA. January 29, 2010.

**Coon, C.** 2010. Phosphorus and calcium requirements for layers and broiler breeders. Novus/ASA. Bangkok, Thailand. Betagro. March 2, 2010.

**Coon, C.** 2010. Commercial layer nutrition. Novus/ASA.. Bangkok, Thailand. C.P. March 3, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. Novus/ASA. Bangkok, Thailand. C.P. March 3, 2010.

**Coon, C.** 2010. Protein and amino acid requirements for broiler breeders and commercial layers. ASA/Novus Animal Science Forum. Nutrition and Management Strategies for Broiler Breeders and Layers. Grand Millennium. Bangkok, Thailand. March 4, 2010

**Coon, C.** 2010. Breeder phosphorus and calcium requirements. ASA/Novus Animal Science Forum. Nutrition and Management Strategies for Broiler Breeders and Layers. Grand Millennium. Bangkok, Thailand. March 4, 2010.

**Coon, C.** 2010. Protein and amino acid requirements for broiler breeders and commercial layers. ASA/Novus Animal Science Forum. Nutrition and Management Strategies for Broiler Breeders and Layers. Gran Melia. Jakarta, Indonesia. March 8, 2010.

**Coon, C.** 2010. Breeder phosphorus and calcium requirements. ASA/Novus Animal Science Forum. Nutrition and Management Strategies for Broiler Breeders and Layers. Gran Melia. Jakarta, Indonesia. March 8, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. C.P. Jakarta, Indonesia. March 9, 2010.

**Coon, C.** 2010. Commercial layer nutrition and management. C.P. Jakarta, Indonesia. March 9, 2010.

**Coon, C.** 2010. Calcium and phosphorus requirements for broiler breeders. USSEC/ASAIM. Turkey Poultry and Feed Industry Conference. Istanbul, Turkey. March 29, 2010.

**Coon, C.** 2010. Metabolizable energy and amino acid requirements for broiler breeders. USSEC/ASAIM. Turkey Poultry and Feed Industry Conference. Istanbul, Turkey. March 30, 2010.

**Coon, C.** 2010. Skip a day feeding vs everyday feeding of broiler breeder pullets: advantage or disadvantage. USSEC/ASAIM. Turkey Poultry and Feed Industry Conference. Istanbul, Turkey. March 30, 2010.

**Coon, C.** 2010. Calcium and phosphorus requirements for broiler breeders. USSEC/ASAIM. Jordan Poultry and Feed Industry Conference. Amman, Jordan. March 31, 2010.

**Coon, C.** 2010. Metabolizable energy and amino acid requirements for broiler breeders. USSEC/ASAIM. Jordan Poultry and Feed Industry Conference. Amman, Jordan. April 1, 2010.

**Coon, C.** 2010. Skip a day feeding vs everyday feeding of broiler breeder pullets: advantage or disadvantage. USSEC/ASAIM. Jordan Poultry and Feed Industry Conference. Amman, Jordan. April 1, 2010.

**Coon, C.** 2010. Metabolizable energy and amino acid requirements for broiler breeders. USSEC/ASAIM. Egypt Poultry and Feed Industry Conference. Cairo, Egypt. April 3, 2010.

**Coon, C.** 2010. Skip a day feeding vs everyday feeding of broiler breeder pullets: advantage or disadvantage. USSEC/ASAIM. Egypt Poultry and Feed Industry Conference. Cairo, Egypt. April 4, 2010.

**Coon, C.** 2010. The integration of the broiler and layer industries of the U.S. USSEC/ASAIM. Egypt Poultry and Feed Industry Conference. Cairo, Egypt. April 4, 2010.

**Coon, C.** 2010. Broiler breeder nutrition. Cobb-Vantress International School. Siloam Springs, AR. May 2, 2010.

**Coon, C.** 2010. Broiler breeder nutrition. Chile World's Poultry Science Association. University of Chile. Facultad de Ciencias Veterinarias y Pecuarias, Escuela de Postgrado, La Pintana, Santa Rosa. May 4, 2010.

**Coon, C.** 2010. The ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Chile World's Poultry Science Association. University of Chile. Facultad de Ciencias Veterinarias y Pecuarias, Escuela de Postgrado, La Pintana, Santa Rosa. May 4, 2010.

**Coon, C.** 2010. Maximizing energy utilization for poultry: Management practices. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. May 18, 2010.

**Coon, C.** 2010. Maximizing energy utilization for poultry: Nutrition practices. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. May 19, 2010.

**Coon, C.** 2010. Nutrient requirements of the commercial laying hen. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. May 20, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, and phytase for poultry. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. May 21, 2010.

**Coon, C.** 2010. The ideal amino acid profile and digestible amino acid requirements for broilers, layers, and broiler breeders. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. May 22, 2010.

**Coon, C.** 2010. Maximizing energy utilization for poultry. Pages 1-22 *In*: Proceedings for Zinpro Technical Conference and California Nutrition Conference. Fresno State University, Fresno, California. May 26, 2010.

**Coon, C.N.,** R. Ekmay and M. K. Manangi. 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In*: Proceedings for Zinpro Technical Conference and California Nutrition Conference. Fresno State University, Fresno, California. May 27, 2010.

**Coon, C.** 2010. Feeding DDG's to Poultry. USGC Poultry Nutrition Conference. Amman, Jordan. July 1, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. ASA Poultry Nutrition Conference. Zhonghui Group. Weifang City, China. July 13, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. ASA Poultry Nutrition Conference. COFCO Group. Zhucheng City, China. July 14, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. ASA Poultry Nutrition Conference. COFCO Group. Haimen City, China. July 16, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. World Shanghai Immunological Nutrition and Feed Processing Technology Summit. Shanghai, China. July 17, 2010

**Coon, C.** 2010. Broiler breeder nutrition and management. ASA Poultry Nutrition Conference. Dayong Group. Qingxian, China. July 21, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. ASA Poultry Nutrition Conference. Yisheng Company. Yantai, China. July 25, 2010.

**Coon, C.** 2010. Trends on poultry feeding and nutrition for the future, an academic perspective. Cutting Edge Nutrition and New Trends in Poultry and Swine Feeding Symposium. ASAIM/USB. Puerto Vallarta, Mexico. July 29, 2010.

**N. Coon,** R. Ekmay and M. K. Manangi. 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. ASA/Novus Animal Science Forum. Sydney, Australia. August 2, 2010.

**Coon, C.** 2010. Ideal amino acid requirements for broilers, layers, and broiler breeders. ASA/Novus Animal Science Forum. Sydney, Australia. August 22, 2010.

**Coon, C.** 2010. Layer nutrition and management. ASA/Novus Animal Science Forum. Sydney, Australia. August 2, 2010.

**Coon, C.,** R. Ekmay and M. K. Manangi. 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. ASA/Novus Animal Science Forum. Melbourne, Australia. August 5, 2010.

**Coon, C.** 2010. Ideal amino acid requirements for broilers, layers, and broiler reeders. ASA/Novus Animal Science Forum. Melbourne, Australia. August 5, 2010.

**Coon, C.** 2010. Layer nutrition and management. ASA/Novus Animal Science Forum. Melbourne, Australia. August 5, 2010.

**Coon, C.** 2010. Layer nutrition and management. ASAIM/USB Nutrition and Disease Conference. Ankara, Turkey. September 15, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders.. ASAIM/USB Nutrition and Disease Conference. Ankara, Turkey. September 16, 2010.

**Coon, C.** 2010. Broiler nutrition strategy. ASAIM/USB Nutrition and Disease Conference. Cairo, Egypt. September 18, 2010.

**Coon, C.** 2010. Layer nutrition and management. ASAIM/USB Nutrition and Disease Conference. Cairo, Egypt. September 19, 2010.

**Coon, C.** 2010. Maximizing Energy Utilization for Poultry. ASAIM/USB Nutrition and Disease Conference. Cairo, Egypt. September 19, 2010.

**Coon, C.** 2010. Broiler nutrition strategy. ASAIM/USB Nutrition and Disease Conference. Beirut, Lebanon. September 21, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. ASAIM/USB Nutrition and Disease Conference. Beirut, Lebanon. September 21, 2010.

**Coon, C.** 2010. Layer nutrition and management. ASAIM/USB Nutrition and Disease Conference. Beirut, Lebanon. September 22, 2010.

**Coon, C., R. Ekmay and M. K. Manangi.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Symposium. Guangzhou, China. October 12, 2010.

**Coon, C.** 2010. Broiler breeder nutrition and management. Novus Poultry Conference. Nanning, China. October 13, 2010.

**Coon, C.** 2010. Maximizing Energy Utilization for Poultry. Novus Poultry Conference. Chengdu, China. October 14, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. 6<sup>th</sup> National Nutrition and Health Conference. Yangling, China. October 16, 2010.

**Coon, C.** 2010. Maximizing Energy Utilization for Poultry. Novus Poultry Conference. Shengyang, China. October 18, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Coon, C. 2010. Novus Poultry Conference. Weifang, China. October 20, 2010.

**Coon, C.** 2010. Optimization of broiler breeder nutrition and management. Novus Poultry Conference. C.P., Nantong, China. October 21, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. C.P., Nantong, China. October 21, 2010.

**Coon, C.** 2010. Maximizing Energy Utilization for Poultry. Novus Poultry Conference. Betagro. December 8, 2010.

**Coon, C.** 2010. Optimization of broiler breeder nutrition and management. Novus Poultry Conference. C.P., Bangkok, Thailand. December 9, 2010.



**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. C.P., Bangkok, Thailand. December 9, 2010.

**Coon, C.** 2010. Layer nutrition and management. Novus Poultry Conference. C.P., Bangkok, Thailand. December 9, 2010.

**Coon, C.** 2010. Optimization of broiler breeder nutrition and management. Novus Poultry Conference. Saha Farm, Bangkok, Thailand. December 10, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Novus Poultry Conference. Pune, India. December 14, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. Pune, India. December 14, 2010

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Novus Poultry Conference. Coimbatore, India. December 16, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. Coimbatore, India. December 16, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Novus Poultry Consultant Forum. Chennai, India. December 18, 2010\

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Consultant Forum. Chennai, India. December 19, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Novus Poultry Conference. Hyderabad, India. December 20, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. Hyderabad, India. December 20, 2010.

**Coon, C.** 2010. Ideal amino acid requirement and profile for broilers, layers, and broiler breeders. Novus Poultry Conference. Bangalore, India. December 21, 2010.

**Coon, C.** 2010. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Novus Poultry Conference. Bangalore, India. December 21, 2010.

**Donoghue, D.J.**, Reyes-Herrera, I., Blore, P.J. and A.M. Donoghue. 2010. Selection of enteric microflora for potential use as a probiotic against the foodborne pathogen, *Campylobacter* in poultry. International Scientific Conference on Probiotics and Prebiotics - IPC2010. Kosice, Slovakia. 2010. CD. (invited presentation).

Metcalf, J.H., Reyes-Herrera, I., Blore, P., Moore Jr, P.A., Donoghue, A.M., Hanning, I. Riche, S.C. and **D.J. Donoghue**. 2010. Development and validation of methods for the recovery of *Salmonella* and *Campylobacter* from watershed runoff after poultry litter application. Watershed Research Conference, Hilton Head, S.C. , 2010. CD.

Donoghue, A.M., Fanatico, A.C., Reyes-Herrera, I., Venkitanarayanan, and **Donoghue, D.J.** 2010. Mechanisms of pathogen control in the digestive tract of poultry with organic production

implications. Organic and Specialty Poultry Workshop, Midwest Poultry Federation Proceedings. pp. 9. St. Paul, MN, 2010.

**Donoghue, D.J.**, Ventikanaryanan, K.Reyes-Herrera, I., Anup, J., Fanatico, A.C. and Donoghue, A.M. 2010. Natural solutions to pathogens and gut health. Organic and Specialty Poultry Workshop, Midwest Poultry Federation Proceedings. pp. 6. St. Paul, MN, 2010.

**Erf, G. F. ,** 2010, “Staying motivate and productive”, University of Arkansas, Wally Cordes Teaching & Faculty Support Center, Not so New Faculty Luncheon and Discussion (2 sessions, 2/2010)

**Erf, G. F. ,** 2010, “The Chicken Immune System in a Nutshell”, Poultry Veterinary Meeting, Live Production Symposium, Fayetteville (4/2010)

**Erf, G. F. ,** 2010, “Multifactorial Diseases: Genetic Predisposition, Environmental Exposure and Inflammatory Response”, Poultry Veterinary Meeting, Live Production Symposium, Fayetteville (9/2010)

**Erf, G. F. ,** 2010, Storer Lecture: “Interrelationship of genetic susceptibility, immune system components and environmental factors in the expression of autoimmune vitiligo in the Smyth line chicken”. University of California- Davis, Davis, California (2/2010)

**Erf, G. F.** “Research in Poultry Immunology” Ciba-Biomune, Vaccine Development Group, Lenexa, Kansas (8/2010)

**Erf, G. F.** “Multifactorial nature of autoimmune disease: lessons learned from the Smyth line chicken model for autoimmune vitiligo. Veterinärimmunologisches Seminar, Ludwig Maximilian University, Munich, Germany (10/2010)

**Owens, C.M.** 2010. Stunning methods in turkey processing. Midwest Poultry Federation Convention Proceedings. St. Paul, MN. , 2010.

**Owens, C.M.**, and C.Z. Alvarado. 2010. Poultry Carcass Quality. VIII Simposium de Procesamiento e Inocuidad Avicola, Queretaro, Mexico, 2010.

McKee, S., L. Bauermeister, A. Morey, E. Moran, M. Singh, and **C. Owens**. 2010. Occurrence of white striping in broiler breast fillets in relation to broiler size. XIIIth European Poultry Conference. Tours, France, August 2010.

**Owens, C.M.** 2010. Stunning methods in turkey processing. Midwest Poultry Federation Convention. St. Paul, MN. , 2010.

**Owens, C.M.** 2010. Poultry meat quality research at the University of Arkanas. Presented to Animal and Poultry Science and Food and Bioproducts departments at the University of Saskatchewan. 2010.

**Waldroup, P.W.**, 2010. Determination of the biological availability of organic trace minerals. International Forum on Organic Trace Minerals Application for Animal Production, Changsha, China. 2010.

**Waldroup, P.W.**, 2010. Use of grain sorghum in broiler diets. U.S. Grains Council Seminar, Cairo Egypt. 2010.

**Waldroup, P.W.**, 2010. Advances in environmental nutrition. Multi-State Nutrition Conference, Indianapolis IN. 2010.

**Waldroup, P.W.** 2010. The future of turkey research. Multi- State Nutrition Conference, Indianapolis IN. 2010.

**Wideman, R. F.** 2010, Research perspectives and selection strategies related to pathophysiology of pulmonary hypertension syndrome in broilers. Cobb-Vantress, Siloam Springs, AR, January 6, 2010.

**Wideman, R. F.** 2010, Recent work on pulmonary hypertension syndrome. American Physiological Society Symposium: New Insights into the Pulmonary Circulation. Experimental Biology Annual Meetings 2010, Anaheim, CA , April 28, 2010.

**Wideman, R. F.** 2010, A research model for inducing leg problems in broilers. Poultry Science Association Annual Meeting (Denver, CO), July 14, 2010.

**Wideman, R. F.** 2010, Pulmonary vascular pressure profiles in broilers selected for susceptibility to pulmonary hypertension syndrome: Age and gender comparisons. Poultry Science Association Annual Meeting (Denver, CO), July 14, 2010.

**Wideman, R. F.** 2010, A research model for inducing leg problems in broilers. Biomin World Nutrition Forum. Salzburg, Austria, October 15, 2010

**Wideman, R. F.** 2010, Review of Five Leg Quality Experiments. Cobb-Vantress, Siloam Springs, AR, December 2, 2010.

## **Grants and contracts received in the present calendar year**

### **Agricultural Economics and Agribusiness**

**Goodwin, H.L.** “Research Strategies to Improve Small Farm Efficiency.” USDA/ARS. Funded for 1 year for \$9,000 for years 2009 – 2010.

**McKenzie, Andrew.** “Options Marketing Tool and Extension Program for Arkansas and Texas Crop Producers.” USDA/CSREES Southern Region Risk Management Education Center. Funded for 1 year for \$43,470 in fiscal year 2009-2010 ( 25,420 McKenzie Share.)

**McKenzie, Andrew.** “Pre-Spreading and Returns to Storage.” SURF Grant. Funded for 6 months for \$2650 in fiscal year Jan2010 – May 2010 (\$1,000 McKenzie Share).

**McKenzie, Andrew.** “Pre-Spreading and Returns to Storage.” DBCAFLS Undergraduate Research Proposals. Funded for 6 months for \$960.70 in fiscal year Jan. 2010 – May2010. (\$960.70 McKenzie Share).

**Nalley, Lanier.** “Estimating the Carbon Footprint of Conventional and Biotech Sweet Corn Agency,” 2010-2011, Total amount awarded \$78000 (PI share \$39000).

**Nalley, Lanier.** “Estimating the Carbon Footprint of Conventional and Biotech Sweet Corn Agency,” 2010-2011, Total Awarded \$22500 (PI Share \$22500).

**Nalley, Lanier,** “Integrating Soil and Plant Monitoring to Improve Soil and Water Conservation for Sustainable Cotton Production,” 2010-2011, Total Awarded \$60,000 (PI share \$21,000).

**Nayga, Rodolfo.**” Social Preferences, Food Consumption, Diet Quality and Obesity in Spain: Implications for Agricultural and Food Policy,” Ministry of Science and Innovation, Spain,2010-2013, Total awarded \$37,000 (PI Share 9,200).

**Nayga, Rodolfo.**” Do Consumers Value Food Labels? An Assessment of the Impact of Information and Personality Traits on the Demand for Food Labels,” Marie Curie Program, European Commission, 2010-2013, Total awarded 328000 (PI Share 82000).

**Nayga, Rodolfo.** "An Economic Analysis of Growth in Obesity and its Labor Market Effects: A Comparative Study among Korea, US, and EU," National Research Foundation of Korea, 2010-2013, Total Awarded 23,5000 (PI share \$11,750).

**Nayga, Rodolfo.** Assessing the Market for Animal Welfare Attributes in Dairy Production, USDA-AMS, 2009-2010, Total awarded \$96,146 (PI share \$48,073).

**Nayga, Rodolfo.** Assessing the Market for Animal Welfare Attributes in Dairy Production, Research Council Norway, 2009-2011, Total awarded \$735,000 (PI share \$245,000).

**Popp, Jennie.** "Best Management Practices for Organic Orchard Nutrition" USDA IOP Grant. Funded for 4 years for \$777,330 in fiscal year 2008 – 2012 (\$40,000 J. Popp Share).

**Popp, Mike.** "Beef Cattle Supply Chain Impacts of Novel Endophyte Fescue: Tradeoffs between Animal and Forage Performance in the Tall Fescue Region." NRI 66.0 Agricultural Prosperity for Small and Medium-Sized Farms grant. Funded for 3 years for a total of \$453,853 in fiscal years 2007-2010 (\$14,704 M. Popp).

**Popp, Mike.** "Evaluation of the Energy and Cost Advantages of Modules for Packaging and Transporting Biomass Energy Crops." South Central Region Sun Grant Initiative grant. Funded for 3 years for \$285,708 in fiscal years 2007-2010 (\$20,134 M. Popp Share).

**Popp, Mike.** "2 – Step Biodiesel Conversion Economics." Mack Blackwell Transportation Center. Funded for 1 year for \$15,000 in fiscal year 2009 (\$9,745 M. Popp Share).

**Popp, Mike.** "Beef cattle production on grass-legume mixes: economic implications of establishment methods and grazing systems performance." NRI 66.0 Agricultural Prosperity for Small and Medium – Sized Farms Grant. Funded for 3 years for \$450,000 in fiscal years 2008 – 2011 (\$10,308 M. Popp Share).

**Thomsen, Michael.** "Enriching the potential use and consumer awareness of health-promoting products from traditional and nontraditional small fruits." USDA NIFA SCRI. Funded for 2 years for 151,446 in fiscal year 2010-2012.

**Thomsen, Michael.** "A Regulatory Model of Food Recalls." Matching funds from AES. Funded for 1 year for 18.6 K in fiscal year 2008 -2009 (15.5 K Thomsen Share).

**Wailes, Eric.** "EU-US Double M.S. Degree." Department of Education. Funded for 4 years for \$448,000 in fiscal year 2008-2012 (\$15,150 Wailes Share).

**Wailes, Eric.** "Economics of Arkansas Rice Farms." Arkansas Rice Research Board. Funded for 1 year for \$62,151 in fiscal year 2009 – 2010 (\$31,075 Wailes Share).

**Wailes, Eric.** "Arkansas Global Rice Model." Iowa State University, USDA subcontract." Funded for 1 year for \$42,000 in fiscal year 2009-2010.

**Wailes, Eric.** "Trade Negotiations." USDA, NRI Trade and Markets. Funded for 1 year for \$206,788 in fiscal year 2008-2010 (\$68,960 Wailes Share).

**Watkins, Brad.** "Economic Analysis of Arkansas Rice Farms." 2010-2011, \$81579 (PI share \$53800)

**Watkins, Brad.** "Analysis for the Next Farm Bill, Changes to the 2008 Food, Conservation to the 2008 Food," Conservation and Energy Act, Funded 2010-2011, Total Award \$32000(PI share \$1600).

### **Agricultural and Extension Education**

**Edgar, D.W.**, Midsouth/southeast bioenergy consortium, Department of Energy, 2009-2011, \$40,000 (\$4,000 to Edgar).

**Edgar, L.D., Cox, C.K., Edgar, D. W.**, Visual communication on the road in Arkansas: Video and photo creative projects to promote agriculture. USDA/NIFA-SPECA, July 2010-December 2011, Total Award \$33,539 (\$18,849 this year to L.Edgar, \$2,500 to D.Edgar, \$944 to Cox).

**Edgar, L.D., Edgar, D.W.**, The educational effectiveness of utilizing Second Life (SL) in teaching, USDA/NIFA-CSREES, 2009-2011, \$460,320 (\$23,000 to L. Edgar, \$7,500 to D.Edgar).

**Graham, D.L.**, Multicultural Scholars Program, USDA/CSREES, 2005-2010, Total Award, \$120,000 (\$7,500 this year to Graham).

**Johnson, D.M., Edgar, L.D., Edgar, D.W.**, Arkansas biodiesel education and promotion project: Phase II, AR Soybean Promotion Board, Total Award, \$56,300 (\$8,000 this year to Johnson, \$2,815 to D. Edgar, \$1,800 to L.Edgar).

**Johnson, D.M.**, Biofuels engine performance and emissions education, USDOE Mid-South Bioenergy Consortium, \$51,833 (\$10,000 this year to Johnson)

**Miller, J.D.**, Arkansas FFA graduate fellowship, Arkansas FFA, \$8,000 – renewable annually (\$8,000 to Miller).

**Miller, J.D., Edgar, L.D.**, Using social networking and web 2.0 tools to enhance small businesses, National E-Commerce Extension Initiative Grants Program, 2010 – Ended in May, \$25,000 (\$3,000 to Miller, \$1,485 to L.Edgar).

### **Agricultural Statistics Laboratory**

Crandall, P., **A. Mauromoustakos**, Leading indicators and benefit/costs for implementation of food safety standards acceptable under the global food safety initiatives, Wal-Mart, 2010-2011, \$29,850 (\$6,000).

### **Animal Science**

**Apple, J., Maxwell, C.** Effect of phase-feeding beef tallow on quality characteristics of subcutaneous fat and fresh pork bellies from growing-finishing pigs fed dried distillers grain with soluble. Fats and Proteins Research Foundation, Inc. (Alexandria, VA), 04/10 to 03/11, \$40,765 (\$40,765).

**Apple, J.**, Determine the effect of reducing crude protein level and replacements with crystalline amino acids on growth performance and carcass composition of finishing pigs fed Paylean, Evonik Degussa Corp. 09/10 to 08/11, \$40,812, (\$18,000 -- 2010 share).

**Apple, J.**, Effects of Noni pulp or clarified Noni juice on color stability and palatability of ground beef patties, Tahitian Noni Inc., 06/10 to 05/11 \$10,075 (\$10,075).

**Apple, J.**, The interactive effect of USDA beef quality grade category and muscle on metmyoglobin reductase activity and beef color stability, Arkansas Department of Higher Education, 12/10 to 05/11, \$2,750, (\$1,250).

**Brown, H.**, Relationships of Cattle Temperament and BVDV type I titers and BVDV specific T cell activation, DBCAFLS Funding, 2010, \$500 (\$500).

**Brown, H.,** Relationships of Cattle Temperament and BVDV type I titers and BVDV specific T cell activation, Hembree Family, 2010, \$2,500 (\$2,500).

**Coffey, K.,** M. Popp, J. Jennings, M. Savin, **C. Rosenkrans,** M. Looper Beef Cattle Supply Chain Impacts of Novel Endophyte Fescue: Tradeoffs between Animal and Forage Performance in the Tall Fescue Region, USDA NRICGP, 2006-2010, \$453,853, (\$45,338, 2010 share).

Bauer, J., **Kegley, E.,** and **Powell J.** Impact of different handling styles (good vs. aversive) on growth performance, behavior, and stress hormone concentrations of growing cattle. DBCAFLS Funding, 2010, \$750 (\$750).

**Kegley, E.B., K.P. Coffey.** Effects of Injection of Trace Minerals 30 days Before Weaning on Growth Performance and Health of Calves Reared in a Copper Deficient Environment, Multimin, USA, 2009-2011, \$11,230, (\$5,615, 2010 share).

**Kellogg, W.,** UGA/USDA/Organic Dairy Training, SARE, 2009-2011, \$97,480, (\$16,230, (2010 share).

**Maxwell, C., Beck, P., Kellogg, W., E. Kegley, Coffey, K.** Demonstrate and Validate Economical and Sustainable New Oil Crop Production for Biodiesel and Other Renewable Alternatives, DOE Mid-South Bioenergy Consortium, 09/01/08-08/31/10, \$50,000.

**Maxwell, C., Apple, J.,** Interactive Effects of Swine Genotype and Dietary Inclusion of a Yeast Culture on Performance, Hind-Gut Fermentation, and Pork Quality of Growing-Finishing Swine, Diamond V Inc., 04/10 to 03/11, \$39,416.40, (\$26,456.40, 2010 share).

**Maxwell, C.,** Effects of Salinomycin on Weight Gain and Feed Efficiency of Growing and Finishing Swine, Alpharma, Inc., 09/01/09 01/31/10, \$45,000 (\$45,000)

**Maxwell, C.,** Effect of CYCzyme on Nursery Pig Performance, Digestibility, and Reduction of Nutrients in Manure, CTCBIO, 09/15/09 02/28/010, \$20,500. (\$20,500)

**Maxwell, C.,** Effect of Dietary CitriStim Addition on Immunity and Performance of Sows and Their Offspring During Breeding and Nursery Stages, ADM Alliance Nutrition, 07/01/10 06/30/11, \$32,375 (\$32,375)

**Maxwell, C.,** Effect of Quantum Phytase on Performance Benefits in Nursery Pigs Fed Two Levels of Dietary Phosphorus, AB Vista, 05/01/10 01/15/11, \$10,000. (\$10,000)

**Maxwell, C.,** AminoGut x Nursery Environment, Ajinomoto Heartland LLC, 06/10/10 12/01/10, \$20,000 (\$20,000)

**Maxwell, C.,** Effect of Diet Complexity Protein Source and Quantum Phytase on Growth Performance in Nursery Pigs, Value Added Science & Technologies (VAST), 08/15/10 02/15/11, \$6,000 (\$6,000).

**D. Philipp, M. Popp, K. Coffey, M. Savin, J. Jennings,** Beef cattle production on grass-legume mixes: economic implications of establishment methods and grazing systems performance." USDA-NRICGP, 2008-2012, \$450,000, (\$3,000, 2010 share).

**Pohlman, F.** Enhancement of beef product safety through electrostatic spray application of different antimicrobials at primal and sub-primal levels, 2009-2011, \$46,940 (\$28,000, 2010 share).

**Pohlman, F.** Antimicrobial interventions/application methods for the reduction of *Escherichia coli* O157:H7 and *Salmonella* in beef trimming and/or ground beef, American Meat Institute Foundation, Sept 2010-Aug 2011, \$94,750, (\$23,687, 2010 share).

**Powell, J.** Arkansas Beef Quiz Bowl, Arkansas Beef Council, 2010, \$6,000 (\$6,000).

**Powell, J., E. Kegley, J. Richeson, K. Coffey,** Effects of vaccinating calves at branding and again at weaning with a modified-live viral respiratory vaccine on health and performance versus a traditional preconditioning program, Boehringer Ingelheim Vetmedica, Inc., 2010-2011, \$84,680, (\$84,680).

**Powell, J., Kegley, E.,** Effects of SYNOVEX Plus LA implants on performance of steers grazing 180 days pasture, Pfizer Inc., 2010-2011, \$56,215, (\$56,215).

**Powell, J., Coffey K., Yazwinski, T., Apple, J.,** Determining the effects of aggressive versus traditional nematode control on growth performance and carcass merit in beef cattle, Arkansas Beef Council, 09/10 to 08/12, \$48,420 (\$29,385).

**Rosenkrans, C.,** Development of genetic and physiological markers for cattle sensitivity to fescue toxicosis, USDA ARS Coop. Agreement, \$135,510 (\$135,510).

**Yazwinski, T.,** Propagation of swine nematodes. Intervet, 2010, \$15,000 (\$15,000).

**Yazwinski, T.,** Investigations into fenbendazole activity in laying hens. Intervet, 2010, \$46,890 (\$46,890).

**Yazwinski, T.,** Efficacy of a new parasiticide in cattle. Pfizer, 2010, \$38,363 (\$38,363).

**Yazwinski, T.,** Effectiveness of nitarstone against chicken nematodes. Pfizer, 2010, \$7,350 (\$7,350).

### **Biological and Agricultural Engineering**

**Carrier, D. J. and Pelkki, M.** Can Understory from Damaged Pine Forests be Used as Feedstock in the Biochemical Biorefinery?, US DOT, December 2009-November 2012, Total Award \$70,000 (\$28,000 to Carrier).

**Bluhm, B., Carrier, D. J. and Korth, K. L.** From Field to Table: The Science Behind Plants as Food and Fuel, ASTA, January 2010-January 2011, Total Award \$12,500 (\$12,500 to Carrier).

**Carrier, D. J.** Microbial Contamination of Feedstock Before and After Hydrolysis, ADHE, January 2010- December 2010, Total Award \$3,900 (\$3,900 to Carrier).

**Carrier, D. J.** Antimicrobial Effects of Shikimic Acid on Bacterial Foodborne Pathogens, ADHE, January 2010- December 2010, Total Award \$3,900 (\$1,000 to Carrier).

**Haggard, B. and Scott, T.** Watershed Investigative Support to the Beaver Water District, Beaver Water District, October 2009- September 2010, Total Award \$25,000 (\$8,900 to Haggard).

**Haggard, B.** Investigation of Natural and Human Land Use Factors Contributing to the Impaired State of the West Fork of the White River in Arkansas, ADHE SURF, January 2010- December 2010, Total Award \$3,900 (\$2,650 to Haggard).

**Haggard, B.** Arkansas Water Resources Center information transfer program, USGS, March 2010- February 2011, Total Award \$14,195 (\$14,195 to Haggard).

**Haggard, B.** Arkansas Water Resources Center program administrative/ management description, USGS, March 2010- February 2011, Total Award \$16,580 (\$16,580).

**Haggard, B.** and Scott, T. Phosphorus Release from Bottom Sediments at Lake Wister, Oklahoma, Poteau Valley Improvement Authority, June 2010- December 2010, Total Award \$27,533 (\$27,533 to Haggard).

Evans-White, M.A. and **Haggard, B.** Monitoring Water Resources of the Gulf Mountain Wildlife Management to Evaluate Possible Effects of Natural Gas Development Activities, AGFC, November 2010- October 2011, Total Award \$100,000 (\$86,686).

**Haggard, B.** Sager Creek Monitoring and Quality Assurance Project Plan, City of Siloam Springs, August 2010- December 2011, Total Award \$26,570 (\$26,570 to Haggard)

**Haggard, B.** Water Quality Trends across Select 319 Monitoring Sites in Northwest Arkansas, ANRC, July 2009- June 2011, Total Award \$54,357 (\$54,357 to Haggard).

**Jin, S.** Synergetic regulation of signal molecules for the enhancement of human embryonic stem cell differentiation into pancreatic lineage, ABI, July 2010- May 2011, Total Award \$62,974 (\$62,974 to Jin).

**Kavdia, M.** Red Blood Cell Function in Nitric Oxide Biotransport, NIH DHHS, June 2008- May 2011, Total Award \$207,758 (\$190,000 to Kavdia)

**Kavdia, M.** and Ye, K. Nitic Oxide-Superoxide Interactions in Endothelial Cell Dysfunction, NIH DHHS, April 2008- February 2012, Total Award \$1,279,000 (\$1,150,000 to Kavdia).

**Kim, J.-W.** and Savin, M. Point Source Ozonation to Minimize Antibiotic Resistance, NIH STTR II (BlueInGreen), May 2008-December 2010, Total Award \$250,000 (\$84,032 to Kim).

**Matlock, M.** REU Site: Assessment and Sustainable Management of Ecosystem Services, NSF, May 2008-April 2011, Total Award \$285,000 (\$75,000 to Matlock).

**Ye, K.** Screening of 3-D scaffolds for Differentiation of Embryonic Stem Cells into Mature Beta Cells, Juvenile Diabetes Foundation International, March 2009- February 2011, Total Award \$110,000 (\$110,000 to Ye).

Jin, S. and **Ye, K.** HA Surface Presented Yeast Flu Vaccine and its Enhancement by CD 154 Codisplay, NIH DHHS, July 2009- June 2013, Total Award \$1,320,000 (\$330,000 to Ye).

**Zaharoff, D.** Purchase of a Lumina XR in vivo imaging system, ABI, July 2010- May 2011, Total Award \$204,109 (\$204,109 to Zaharoff).

**Zaharoff, D.** Chitosan-based Delivery and Immunopotential of Cancer Vaccines, NIH DHHS, June 2010- May 2013, Total Award \$510,032 (\$166,584 to Zaharoff).

### **Crop, Soil and Environmental Sciences**

**Bacon, Robert.** Breeding for Improved Wheat Varieties, Arkansas Wheat Promotion Board, 8/1/2010 - 4/30/2011, Total Award \$74,300.

**Brye, Kristofor.** Double-cropped soyban management alternatives and their long-term implications on crop production and soil quality, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$37,000.

**Brye, Kristofor.** Student Internship Program, Arkansas Game and Fish Commission, 5/1/2011 - 5/31/2011, Total Award \$3,800.

**Brye, Kristofor.** Assessment of the Methane Production Potential and Carbon Footprint of Rice., Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$38,000.



**Burgos, Nilda.** FMC Corporation, 7/26/2010 - 9/30/2010, Total Award \$3,000.

**Burgos, Nilda.** Weed Physiology, Allen Canning Company, 5/5/2011 - 5/31/2011, Total Award \$5,775.

**Burgos, Nilda.** Rice, Cotton, Weed Science Research, Bayer CropScience, 10/29/2010 - 1/31/2011, Total Award \$15,577.

**Burgos, Nilda.** Weed Physiology Research, Dow AgroSciences, LLC, 4/29/2011 - 4/30/2011, Total Award \$5,000.

**Burgos, Nilda.** Weed Physiology Research, Bayer CropScience, 10/29/2010 - 1/31/2011, Total Award \$19,423.

**Burgos, Nilda.** The Spread and Population Genetics of Glyphosate-Resistant Palmer Amaranth in Arkansas, Cotton Incorporated, 1/1/2011 - 1/31/2011, Total Award \$11,455.

**Burgos, Nilda.** BASF Corporation, 7/25/2010 - 9/30/2010, Total Award \$8,900.

**Burgos, Nilda.** Southern IR-4 Food Use Trials, USDA NIFA - Prime, 1/1/2011 - 1/31/2011, Total Award \$10,000.

**Burgos, Nilda.** Weed Physiology Research, Dow AgroSciences, LLC, 1/4/2011 - 1/31/2011, Total Award \$5,000.

**Burgos, Nilda.** Weed Physiology Research, Syngenta, 11/9/2010 - 1/31/2011, Total Award \$5,000.

**Burgos, Nilda.** Rice, Cotton Weed Science Research, Bayer CropScience, 10/29/2010 - 1/31/2011, Total Award \$15,577.

**Burgos, Nilda.** Weed Physiology Research, Bayer CropScience, 10/29/2010 - 1/31/2011, Total Award \$19,423.

**Chen, Pengyin.** Soybean Lines Tolerance to Stink Bugs in the Southern USA, United Soybean Board (Prime), 3/1/2011 - 3/31/2011, Total Award \$6,000.

**Chen, Pengyin.** Soybean Lines Tolerance to Stink Bugs in the Southern USA, United Soybean Board (Prime), 3/1/2011 - 3/31/2011, Total Award \$6,000.

**Chen, Pengyin.** Application of New Genetic Resources to the Improved Control of Soybean Sudden Death Syndrome, United Soybean Board (Prime), 12/1/2010 - 1/31/2011, Total Award \$8,9972.

**Chen, Pengyin.** MG4-6 Soybeans for the Oil Market, USDA ARS, 4/1/2011 - 4/30/2011, Total Award \$41,000.

**Chen, Pengyin.** Developing Drought Tolerant Soybeans Using Extreme Phenotypes, United Soybean Board (Prime), 4/1/2011 - 4/30/2011, Total Award \$40,790.

**Chen, Pengyin.** Genetic Improvement of Flooding Tolerance in Soybean, United Soybean Board (Prime), 12/1/2010 - 1/31/2011, Total Award \$53,321.

**Chen, Pengyin.** Breeding soybean cultivars with high yield and multiple pest resistance, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$17,5000.

**Chen, Pengyin.** Expanding the Genetic Base of US Soybean Production to Improve Productivity, USDA ARS, 4/1/2011 - 4/30/2011, Total Award \$62,850.

**Chen, Pengyin.** Screening soybean germplasm and breeding soybeans for flood tole, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$45,000.

**Chen, Pengyin.** Soybean Genetic Research, University of Nebraska, 8/3/2010 - 1/31/2011, Total Award \$3,500.

**Chen, Pengyin.** Screening Germplasm and Breeding for Resistance to Phomopsis Seed Decay in Soybean, USDA ARS, 9/14/2010 - 1/31/2011, Total Award \$60,290.

**Chen, Pengyin.** Soybean germplasm enhancement using genetic diversity, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$128,000.

**Chen, Pengyin.** MG4-6 Soybeans for the Meal Market, USDA ARS, 4/1/2011 - 4/30/2011, Total Award \$55,000.

**Kelley, Jason.** Agronomic Practices to Improve Arkansas Wheat Profitability, Arkansas Wheat Promotion Board, 8/1/2010 - 4/30/2011, Total Award \$8,000.

**Kelley, Jason.** Developing planting date guildelines for Arkansas Corn and Grain sorghum, Corn and Grain Sorghum Board, 3/1/2011 - 4/30/2011, Total Award \$38,900.

**Kelley, Jason.** Corn and grain sorghum research verification program, Corn and Grain Sorghum Board, 3/1/2011 - 4/30/2011, Total Award \$102,800.

**Kelley, Jason.** Corn and grain sorghum research verification program, Corn and Grain Sorghum Board, 3/1/2011 - 4/30/2011, Total Amount \$102,800.

**Kelley, Jason.** Wheat Research Verification Program, Arkansas Wheat Promotion Board, 8/1/2010 - 4/30/2011, Total Award \$25,000.

**Kelly, John.** Breeding for Improved Wheat Varieties, Arkansas Wheat Promotion Board, 8/1/2010 - 4/30/2011, Total Award \$74,300.

**Longer, David.** Bioenergy Operational, Bioenergy Systems, Inc., 2/15/2011 - 3/31/2011, Total Awardt \$12,500.

**Mattice, John.** Environmental Implications of Pesticides in Rice Production, Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$37,000.

**Mozaffari, Morteza.** Soil Testing Research, AMS, 10/6/2010 - 1/31/2011, Total Award \$1,210.

**Mozaffari, Morteza.** Soil Testing Research, AMS, 10/6/2010 - 1/31/2011, Total Award \$900.

**Mozaffari, Morteza.** Soil Testing Research, Advanced Microbial Solutions, LLC, 5/11/2011 - 5/31/2011, Total Award \$1,500.

**Mozaffari, Morteza.** Soil Testing Research, Advanced Microbial Solutions, LLC, 2/23/2011 - 3/31/2011, Total Award \$2,400.

**Mozaffari, Morteza.** Increasing profitability of corn production by improving phosphorus and potassium fertilizer recommendations, Corn and Grain Sorghum Board, 3/1/2011 - 4/30/2011, Total Award \$26,800.

**Norman, Rick.** Influence of soils, crop residues and nitrogen fertilizer, Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$140,870.

**Norman, Rick.** Weyerhaeuser Urea Stabilizer, Weyerhaeuser Company, 9/1/2010 - 9/30/2010, Total Award \$10,000.

**Norman, Rick.** Editing and Publishing the B.R. Wells Studies, Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$8,000.

**Norman, Rick.** Soil Fertility and Plant Nutrition, Horizon Ag, 11/12/2010 - 1/31/2011, Total Award \$7,200.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Bayer CropScience, 10/27/2010 - 1/31/2011, Total Award \$4,000.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Bayer CropScience, 10/27/2010 - 1/31/2011, Total Award \$4,000.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Chemnova, Inc., 9/15/2010 - 1/31/2011, Total Award \$4,000.

**Norsworthy, Jason.** A Team Approach of Improved Weed management in Rice., Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$300,000.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Gowan Company, LLC, 9/9/2010 - 1/31/2011, Total Award \$3,000.

**Norsworthy, Jason.** Barnyard Grass Modeling Research, Monsanto Company, 7/26/2010 - 1/31/2011, Total Award \$5,000.

**Norsworthy, Jason.** Cotton, Rice Weed Science Research, Dow AgroSciences, LLC, 11/12/2010 - 1/31/2011, Total Award \$5,000.

**Norsworthy, Jason.** Predict and Field Test Herbicide Programs That Decrease the Risk of Resistance Evolution in Barnyardgrass to Glyphosate, Cotton Incorporated, 4/1/2011 - 4/30/2011, \$12,251.

**Norsworthy, Jason.** Cotton, Rice, Weed Research, Gowan Company, LLC, 9/3/2010 - 1/31/2011, total Award \$38,506.

**Norsworthy, Jason.** Cotton, Rice Weed Science Research, FMC Corporation, 9/15/2010 - 1/31/2011, Total Award \$10,000.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Dupont, 9/7/2010 - 1/31/2011, Total Award \$5,500.

**Norsworthy, Jason.** Rice/Cotton Weed Science Research, Dupont, 9/7/2010 - 1/31/2011, Total Award \$14,500.

**Norsworthy, Jason.** Cotton, Rice Weed Science Research, Dow AgroSciences, LLC, 11/12/2010 - 1/31/2011, Total Award \$14,000.

**Norsworthy, Jason.** Weed control program in Arkansas Corn, Arkansas Corn & Grain Sorghum Board, 3/1/2011 - 3/31/2011, Total Award \$43,400.

**Oliver, Lawrence.** Development of effective weed control programs in grain sorghum with crop safety. Corn and Grain Sorghum Board, 3/1/2011 - 4/30/2011, Total Award \$21,600.

**Oliver, Lawrence.** Team Approach to Weed Management in Wheat, Arkansas Wheat Promotion Board, 8/1/2010 - 4/30/2011, Total Award \$20,000.

**Oliver, Lawrence.** Weed Science Research, Bayer CropScience, 10/27/2010 - 1/31/2011, Total Award \$6,000.

**Oliver, Lawrence.** Weed Science Research, Bayer CropScience, 10/27/2010 - 1/31/2011, Total Award \$6,000.

**Oosterhuis, Derrick.** Explanation and Amelioration of Heat Stress in Cotton During the Flowering Period for Yield Stabilization. Cotton Incorporated, 6/1/2011 - 6/30/2011, Total Award \$10,000.

**Oosterhuis, Derrick.** Cotton Research, Arysta LifeScience, 8/10/2010 - 1/31/2011, Total Award \$21,500.

**Oosterhuis, Derrick.** Cotton Research, AgroFresh, Inc., 7/30/2010 - 1/31/2011, Total Award \$1,250.

**Oosterhuis, Derrick.** Use of COTMAN Crop Monitoring Program to help Predict When to Apply Plant Growth Regulators., Cotton Incorporated, 5/26/2011 - 5/31/2011, Total Award \$9,300.

**Oosterhuis, Derrick.** Improved Nitrogen Use Efficiency in Cotton Using the Inhibitors NBPT and DCD for Maintenance of High Yield but Decreased Input Costs, Cotton Incorporated, 12/15/2010 - 1/31/2011, Total Award \$8,150.

**Oosterhuis, Derrick.** Cotton Research, Rohm and Haas Co. 5/11/2011 - 5/31/2011, Total Award \$45,000.

**Oosterhuis, Derrick.** Cotton Research, Fluid Fertilizer Foundation,, 4/25/2011 - 4/30/2011, Total Award \$2,300.

**Oosterhuis, Derrick.** Field Evaluation of Foliar N Boost on Field-Grown Cotton, Donaghys Industries Limited, 6/16/2011 - 6/30/2011, Total Award \$7,000.

**Oosterhuis, Derrick.** Cotton Research, Plant Biotech, Inc, 4/25/2011 - 4/30/2011, Total Award \$3,000.

**Oosterhuis, Derrick.** Explanation and Amelioration of Heat Stress in Cotton During the Flowering Period for Yield Stabilization. Cotton Incorporated, 1/1/2011 - 4/30/2011, Total Award \$15,000.

**Oosterhuis, Derrick.** High Temperature Tolerance Screening in Cotton Enhanced Instrumentation for Improved Varieties for Sustainable Cotton Production, Cotton Incorporated, 12/15/2010 - 1/31/2011, Total Award \$5,250.

**Oosterhuis, Derrick.** Publication of Arkansas Cotton Research in Progress, Cotton Incorporated, 12/15/2010 - 1/31/2011, Total Award \$5,000.

**Pereira, Andy.** Molecular genetic network of water use efficiency in rice, USDA NIFA, 5/1/2011 - 5/31/2011, Total Award \$27,1902.

**Purcell, Larry.** Soybean Physiology Research, Pioneer, A DuPont Co, 4/28/2011 - 4/30/2011, Total Award \$10,000.

**Purcell, Larry.** Soybean Physiology Research, Pioneer, A DuPont Co, 4/28/2011 - 4/30/2011, Total Award \$10,000.

**Purcell, Larry.** Drought Tolerance Research, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$64,000.

**Purcell, Larry.** Drought Stress Tolerance in Arkansas, USDA ARS, 5/1/2011 - 5/31/2011, Total Award \$148,888.

**Purcell, Larry.** Developing Drought Tolerant Soybeans Using Extreme Phenotypes, United Soybean Board (Prime), 4/1/2011 - 4/30/2011, 40790.

**Purcell, Larry.** Achieving Maximum Yield Potential in Soybean, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$90,000.

**Roberts, Trent.** Investigating efficacy of inoculants and the use of winter cover crops to improve soybean performance and yield following rice in the full season soybean production system., Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$66,000.

**Roberts, Trent.** Development and Implementation of N-ST\*R, Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$67,946.

**Roberts, Trent.** Soil & Fertility Testing Research, Agrotain International, 9/30/2010 - 1/31/2011, Total Award \$6,000.

**Roberts, Trent.** Soil & Fertility Testing Research, Horizon Ag, 11/12/2010 - 1/31/2011, Total Award \$2,500.

**Roberts, Trent.** Determination of Nitrogen Fertilizer Use Efficiency and Evaluation Controlled-Release Nitrogen Fertilizer Products for Irrigated Corn Production., Arkansas Corn & Grain Sorghum Board, 3/1/2011 - 3/31/2011 Total Award \$48,100.

**Scott, Thad.** Watershed investigative support to the Beaver Water District, Beaver Water District, 9/17/2010 - 3/31/2011, Total Award \$25,000.

**Scott, Thad.** Whole-Ecosystem Management Techniques in Bella Vista Reservoirs to Enhance Biological Productivity and Protect Water Quality, Bella Vista POA, 2/15/2011 - 2/28/2011, Total Award \$82,515.

**Scott, Thad.** Database analysis to support nutrient criteria development, Texas Commission on Environmental Quality, 1/14/2011 - 3/31/2011, Total Award \$196,839.

**Scott, Thad.** Whole ecosystem management techniques in Bella Vista reservoirs to enhance biological productivity and protect water quality, Bella Vista POA, 1/1/2011 - 3/31/2011, Total Award \$28,497.

**Sharpley, Andrew.** Edge-of field monitoring designed to determine the impacts of implementation of MRBI Program on representative program-enrolled farms in the Point Remove and L'Anguille watersheds., USDA NRCS, 9/27/2010 - 9/30/2010, Total Award \$250,000.

**Sharpley, Andrew.** Edge-of field monitoring designed to determine the impacts of implementation of MRBI Program on representative program-enrolled farms in the Point Remove and L'Anguille watersheds., USDA NRCS, 9/27/2010 - 9/30/2010, Total Award \$250,000.

**Sharpley, Andrew.** Soil and Water Quality Research, Arkansas Farm Bureau Federation, 10/26/2010 - 1/31/2011, Total Award \$25,000.

**Slaton, Nathan.** Soil Test & Plant Analysis, Dow AgroSciences, LLC, 9/30/2010 - 1/31/2011, Total Award \$8,000.

**Slaton, Nathan.** Soil Physiology Research, Winfield Solutions, LLC, 10/26/2010 - 1/31/2011, Total Award \$2,000.

**Slaton, Nathan.** Fertilization of wheat and double-cropped soybean, Arkansas Wheat Promotion Board, 8/1/2010 - 9/30/2010, Total Award \$5,000.

**Slaton, Nathan.** Soil Physiology Research, Agrium U.S. Inc., 9/24/2010 - 1/31/2011, Total Award \$4,000.

**Slaton, Nathan.** Fertilization of soybean, Soybean Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$37,000.

**Slaton, Nathan.** Fertilizer and Soil Nutrient Management of Rice, Rice Research and Promotion Board, 4/1/2011 - 4/30/2011, Total Award \$93,167.

**Smith, Kenneth.** United Phosphorus, 7/22/2010 - 9/30/2010, Total Award \$6,000.

**Smith, Kenneth.** Weed Science, BASF Corporation, 7/7/2010 - 9/30/2010, Total Award \$15,000.

**Srivastava, Vibha.** Recombinase-mediated targeted gene integration and excision for marker-free transgenic crops, USDA NIFA, 9/1/2010 - 9/30/2010, Total Award \$365,214.

**Srivastava, Vibha.** Evolutionary and developmental mechanisms of embryo dormance in rice, NSF, 10/26/2010 - 3/31/2011, Total Award \$69,506.

**Stewart, James.** Introgression of Gossypium Germplasm to Increase Genetic Diversity for Cotton Improvement., Cotton Incorporated, 7/9/2010 - 9/30/2010, Total Award \$41,000.

**West, Charles.** Toward A Tall Fescue Cap: A Model Forage System For The Carbon Economy And Changing Climate, USDA NIFA, 12/1/2010 - 1/31/2011, Total Award \$50,000.

### **Entomology**

**Dowling, A.P.G. and R. Saylor.** Survey of mites and bacteria associated with Arkansas rice and the potential link between the spread and pathogenicity of bacteria and mite activity. Rice Research and Proposal Board, 2010, Total Award \$108,000 (\$93,000 Dowling).

Carrier, J., F. **Goggin** and V. **Srivastava.** From field to table: the science behind plants as food and fuel. ASTA, 2010, Total Award \$12,000, (\$3,500 to Goggin).

**Goggin, F. L.** Influence of fatty acid desaturation on plant defenses against aphids. NSF, 2010, Total Award \$637,448, (\$637,448).

**Garcia, E., D. Johnson** and T. Kirkpatrick. Effect of soil amendments and solarization on plasticulture strawberry growth and yield and soil borne pathogen communities in Arkansas. Southern Region Small Fruit Consortium, 2010, Total Award \$5,000, (\$500 Johnson).

**Johnson, D. T.** Alternative management tactics for green June beetles in grape. Southern Region Small Fruit Consortium, 2010, Total Award \$7,500, (\$7,500 Johnson).

**Johnson, D. T.** Alternative tactics to prevent bramble damage by borers. North American Bramble Growers Research Foundation, 2010, Total Award \$2,986, (\$2,986).

**Johnson, D. T.** Demonstration and verification of best management practices for wine grape production in Ozark Mt. region. MO Wine and Grape Board, Total Award \$16,923, (\$16,923).

**Johnson, D. T.** Alternative management tactics for green June beetles in grape. Fruit Consortium Southern Reg. IR-4 Program, 2010, Total Award \$2,500, (\$2,500).

**Johnson, D. T.** Optimizing trap and lure, and developing killing stations for green June beetle. NIFA Small Business Innovation Res. Program Phase I, 2010, Total Award \$9,159, (\$9,159).

**Johnson, D. T.** Optimizing an inexpensive trap and lure for monitoring green June beetle. Mo Dept. Agric. Specialty Crop Block Grant Program, 2010, Total Award \$8,878, (\$600 to Johnson).

**Johnson, D. T.** Alternative tactics to prevent bramble damage by borers. Grower Research Foundation, 2010, Total Award \$2,899, (\$2,899).

**Johnson, D. T.** and D. C. Steinkraus. Classical biological control of the Japanese beetle in Arkansas. USDA/AR Agric. Dept. Specialty Crop Block Grant Program, 2010, Total Award \$10,000, (\$9,000 to Johnson and \$1,000 to Steinkraus).

**Rom, C. R.** and **Johnson, D. T.** Best management practices for organic apple nutrition. USDA-Integrated Organic Program, 2010, Total Award \$810,730, (\$61,019 to Johnson).

**Rom, C. R.** and **Johnson, D. T.** Management of virus disease complexes in raspberries and blackberries: Identification of vectors most amenable to control measures. USDA-Specialty Crop Research Initiative, 2010, Total Award \$1,400,000, (\$49,833 to Johnson).

**Kring, T. J., F. M. Stephen** and **R. N. Wiedenmann.** Biological control of spotted knapweed in the southeastern US. USDA FS Forest Health Technology Enterprise Team, 2010 – 2012, Total Award \$75,000, (\$75,000 Kring, Stephen, Wiedenmann).

**Kring, T. J.** Implementation of a knapweed biological control program in Arkansas. USDA-APHIS PPQ, 2010, Total Award \$11,600, (\$11,600).

**McLeod, P. J.** Development and implementation of an IPM program for aphids and grasshoppers in spinach and greens. Allen Canning Co., 2010, Total Award \$6,400, (\$6,400).

**McLeod, P. J.** Insecticide efficacy trials. DuPont, 2010, Total Award \$12,500, (\$12,500).

**McLeod, P. J.** Evaluation of new BT field corn in Arkansas. Pioneer, 2010, Total Award \$12,000, (\$12,000).

**McLeod, P. J.** Development of IPM programs for insect pests of field corn in Arkansas. Arkansas Field Corn and Grain Sorghum Promotion Board, 2010, Total Award \$16,412, (\$16,412).

**McLeod, P. J.** Travel Grant to eastern Bolivia. Partners of the Americas, 2010, Total Award \$3,000, (\$3,000).

Rashid, T., and **McLeod, P. J.** Population monitoring and alternate control methods of vegetable insects. USDA-NIFA, 2010, Total Award \$185,475, (\$44,664 McLeod).

**Steinkraus, D. C.** Effect of Acelepryn on early-instar Japanese beetle larvae. Dupont, 2010, Total Award \$3,500, (\$3,500).

**Steinkraus, D. C., N. Wright** and **E. Levi.** Biological control of small hive beetles. California State Beekeepers Association, 2010, Total Award \$6,600, (\$6,600).

**Stephen, F. M.** Post-epidemic analysis of the effects of oak decline and red oak borer on National Forest in Arkansas. USDA Forest Service, Forest Health Monitoring Program, Total Award \$35,000, (\$35,000).

**Stephen**, F. M. Arkansas Siricidae: community interactions in southern pines among fungal associates and nematode parasites. USDA Forest Service Research Station, 2010-2014, Total Award \$74,992, (\$74,992).

**Stephen**, F. M. Forest conditions in relation to Arkansas Siricidae. USDA Forest Service Research Station, 2010-2013, Total Award \$25,000, (\$25,000).

**Stephen**, F. M. Biology of nematodes, fungi and Arkansas Siricidae. USDA Forest Service Southern Forest Research Station, 2010-2014, Total Award \$50,000, (\$50,000).

**Stephen**, F. M. Development of regional GIS for southern forest, experimental forests and ranges. USDA Forest Service Southern Forest Research Station, 2010-2012, Total Award \$79,752, (\$79,752).

Bielke, L., Q Sun and A. L. **Szalanski**. Bacteriophage-based control of American foulbrood in honeybees (phase I). NIH-SBIR, 2010-2011, Total Award, \$90,000, (\$20,000 Szalanski).

Loftin, K., R. **Wiedenmann**, J. Hopkins and K. Flanders. Developing an imported fire ant IPM module for the IPM3 Training Consortium. Southern Regional IPM Center, 2010, Total Award \$24,977, (\$24,977).

Wiedenmann, R. N. Processing of vertical beat sheet samples collected from US cotton, 2010. Monsanto Company, 2010, Total Award \$13,548, (\$13,548).

Wiedenmann, R. N. Processing of samples collected from US soybean, 2010. Monsanto Company, 2010, Total Award \$13,548, (\$13,548).

### **Horticulture**

**Clark**, J.R. Muscadine Grape Variety Development for Arkansas Growers, Specialty Crop Block Grant Program, Arkansas Department of Agriculture, 2010-2011, Total Award \$13,800.

**Clark**, J.R. RosBreed: Enabling marker-assisted breeding in Rosaceae, USDA-SCRI, 2009-2013, Total Award \$7.4 million, Total Annual Amount \$1.85 million (\$33,975 to Clark in 2010).

**Clark**, J.R. Management of Virus Complexes in Rubus. USDA-SCRI, 2009-2013. Total award \$1,464,000; Total Annual Amount \$366,000 (24,175 to Clark in 2010).

**Evans**, M.R. 2010. Impact and Social Acceptance of Selected Sustainable. USDA-SCRI, 2010-2013. Total award \$1,548,793; Total Annual Amount to Evans in 2010, \$124,000.

**Garcia**, M.E. 2010. Management of Virus Complexes in Rubus. USDA-SCRI, 2009-2013. Total Award 1,463,234. Total Annual Amount Awarded to Garcia in 2010, \$152,086.

**Garcia**, M.E. 2010. Using “New” Alternatives to Enhance Production of Organic Apple Production through Integrated Research and Extension. USDA-CSREES-OAREI. 2009-2012. \$996,500.00. Total Annual Amount Award to Garcia in 2010, \$64,642.

**Garcia**, M.E. 2010. Assessment of Blueberry Industry in Arkansas. Arkansas Department of Agriculture. Total Award \$10,000.

**Garcia**, M.E. 2010. Assessment of Pecan Industry in Arkansas. APGS-Arkansas Department of Agriculture. Total Award \$62,000.

**Garcia**, M.E. 2010. Enhancing the Food Safety of Direct Marketed Specialty Crops in Arkansas. Arkansas Department of Agriculture. Total Award \$26,026.



**Garcia, M.E.** 2010. Southern SARE-PDP – Model State Program. USDA. Total Award \$40,000.

**Garcia, M.E.** 2010. Small Fruit Research and Outreach. USDA-CSREES-Specialty Crops Block. Total Award \$150,000. Amount awarded to Garcia in 2010, \$56,000.

**Garcia, M.E.** 2010. Determining Optimum Date for Foliar Sampling of Primocane Fruiting Blackberry in the Mid-South. SRSFC. Total Award \$5,000.

**Karcher, D.E.** 2010. Optimizing Turfgrass Establishment of Sand-Capped Tees and Fairways. Univ. of Arkansas Men's Athletics. 2010-2011. Total Award \$36,000. Amount awarded to Karcher in 2010, \$18,000.

**Karcher, D.E.** 2010. Bentgrass Putting Green Trial. National Turfgrass Evaluation Program. 2008-2012. Total Award 10,000. Amount awarded to Karcher in 2010, \$2,000.

**Karcher, D.E.** 2010. Bentgrass Fairway Trial. National Turfgrass Evaluation Program. 2008-2012. Total Award \$10,000. Amount awarded to Karcher in 2010, \$2,000.

**Karcher, D.E.** 2010. 2007 National Bermudagrass Test. National Turfgrass Evaluation Program. 2007-2011. Total Award \$10,000. Amount Awarded to Karcher in 2010, \$2,000.

**Karcher, D.E.** 2010. 2007 National Bermudagrass Traffic Tolerance Test. National Turfgrass Evaluation Program. 2007-2010. Total Award \$10,000. Amount Awarded to Karcher in 2010, \$2,500.00.

**Karcher, D.E.** 2010. 2007 National Seashore Paspalum Test. National Turfgrass Evaluation Program. 2007-2011. Total Award \$7,500. Amount Awarded to Karcher in 2010, \$1,500.

**Karcher, D.E.** 2010. Drought Tolerance Screening of Cool-Season Grasses. National Turfgrass Evaluation Program. 2009-2010. Total Award \$10,000. Amount awarded to Karcher in 2010, \$5,000.

**Karcher, D.E.** 2010. Influence of Nitrogen Fertility and Mowing Height on Zoysiagrass Management. United State Golf Association – Grant in Aid. 2008-2010. Total Award \$24,000. Amount awarded to Karcher in 2010, \$8,000.

**McDonald, G.V.** 2010. Transdisciplinary Planning for the Systematic Development of Sustainable Landscape Plants for the South-Central United States. AES. 2010-2011. Total Award \$4,938.

**McDonald, G.V.** 2010. The Development of Novel and Non-Invasive Germplasm Selections Native to Arkansas for Highway Revegetation Projects. Mack-Blackwell Rural Transportation Center, University of Arkansas. 2010-2011. Total Award \$7,500.

**Murphy, J.B.** 2010. Propagation and Growth of Carolina Hemlock for Genetic Preservation. USDA-Forest Service. 2008-2010. Total Award \$15,000. Amount awarded to Murphy in 2010, \$5,000.

**Richardson, M.D.** 2010. 2007 National Bermudagrass Test. National Turfgrass Evaluation Program. 2007-2011. Total Award \$10,000. Amount awarded to Richardson in 2010, \$2,000.

**Richardson, M.D.** 2010. 2007 National Bermudagrass Traffic Tolerance Test. National Turfgrass Evaluation Program. 2007-2011. Total Award \$10,000. Amount awarded to Richardson in 2010, \$2,500.

**Richardson, M.D.** 2010. 2007 National Seashore Paspalum Test. National Turfgrass Evaluation Program. 2007-2011. Total Award \$7,500. Amount awarded to Richardson in 2010, \$1,500.

**Richardson, M.D.** 2010. 2006 National Tall Fescue Test. National Turfgrass Evaluation Program. 2006-2011. Total Award \$12,000. Amount awarded to Richardson in 2010, \$2,000.

**Richardson, M.D.** 2010. 2008 National Bentgrass Putting Green Trial. National Turfgrass Evaluation Program. 2008-2012. Total Award \$10,000. Amount awarded to Richardson in 2010, \$2,000.

**Richardson, M.D.** 2010. 2008 National Bentgrass Fairway Trial. National Turfgrass Evaluation Program. 2008-2012. Total Award \$10,000. Amount awarded to Richardson in 2010, \$2,000.

**Richardson, M.D.** 2010. Influence of Nitrogen Fertility and Mowing Height on Zoysiagrass Management. United State Gold Association-Grant in Aid. 2008-2010. Total Award \$24,000. Amount awarded to Richardson in 2010, \$8,000.

**Richardson, M.D.** 2010. Drought Tolerance Screening of Cool-Season Grasses. National Turfgrass Evaluation Program. 2009-2010. Total Award \$10,000. Amount awarded to Richardson in 2010, \$5,000.

**Robbins, J.A.** 2010. Creating Virtual Nursery Trips to Improve On-campus and Distance Education in Nursery Production. USDA. 2009-2011. Total Award \$307,356. Amount awarded to Robbins in 2010, \$130,445.

**Robbins, J.A.** 2010. US-China Partnership for Strengthening Research, Education, and Extension in Season Extension Production and Marketing. USDA-International Science and Education (ISE). 2009-2011. Total Award \$149,481. Amount awarded to Robbins in 2010, \$6,538.

**Robbins, J.A.** 2010. Green Industry Education and Promotion. Arkansas Department of Agriculture. Total Award \$10,000. Amount awarded to Robbins in 2010, \$5,000.

**Robbins, J.A.** 2010. Specialty Cut Flower Risk Management Education in the MidSouth. SR-RMEC. Total Award \$42,816. Amount awarded to Robbins in 2010, \$32,555.

**Robbins, J.A.** 2010. Automation of Plant Inventory Processes Using an Aerial System Approach. Oregon Association of Nurseries/Oregon Department of Agriculture. Total Award \$28,427. Amount awarded to Robbins in 2010, \$6,000.

**Robbins, J.A.** 2010. Automating Field-Grown Tree Inventory and Canopy Characterization Using Field Sensors and Remote Sensing Techniques. J. Frank Schmidt Family Charitable Foundation. Total Award \$5,000. Amount awarded to Robbins in 2010, \$2,500.

**Rom, C.R.** 2010. On-Line Horticulture. USDA-HECG. Amount awarded to Rom in 2010, \$17,000.

**Rom, C.R.** 2010. Community Collaboration to Improve Local Economies by Connecting to New Market Patrons. USDA-FMPP. 2010-2012. Total Award \$45,000. Amount awarded to Rom in 2010, \$23,000.

### **Poultry Science**

**Anthony, N.** Pulmonary Arterial Hypertension: Avian Model of Complex Vascular Lesion Development, NIH R-15, 2008-2010, Total Award \$150,000, (\$12,000 to Anthony).

**Anthony, N.** Validation of an Animal Model for Human Pulmonary Arterial Hypertension, ABI-Div. Agriculture, 2008-2010, Total Award \$135,000, (\$30,000 to Anthony).

**Anthony, N.** Application of genomic SNP analysis to differentiate susceptible from resistant broilers, Animal Health, 2008-2010, Total Award \$45,000, (\$15,000 to Anthony).

**Bottje, W.** ABI (Arkansas Biosciences Institute) Investigation of aging mechanisms and mitochondrial biogenesis in muscle and liver cells, 2010, Total Award: \$46,850 (year 1), (\$46,850 to Bottje).

**Bottje, W.** ABI (Arkansas Biosciences Institute) Analytic-enabled integrative analysis of microarray studies. 2010, Total Award: \$49,224 for year one of 3 year award, (\$9,000 to Bottje).

**Chapman, H.D.** Susceptibility of chicken Lines to Elimeria infection, Cobb-Vantress, Inc., 2010, Total Award: \$30,364, (\$15,182 to Chapman).

**Chapman, H.D.** Floor-pen evaluation of the efficacy of probiotics in chickens, Biomin GmbH, 2010, Total Award: \$17,381, (\$17,381 to Chapman).

**Coon, C.** Understanding metabolic costs from endogenous amino acids to better predict gains in ileal digestible amino acids and net energy for broilers fed diets containing rovable excel AP, Adisseo, 2010-2011, Total Award \$96,000, (\$63,000 to Coon).

**Coon, C.** The effect of combining xylanase and glucanase with jpytase on broiler performance, ABVista, 2010, Total Award \$60,000, (\$60,000 to Coon).

**Coon, C.** The effect of carbohydrase and phytase for low fiber and high fiber broiler diets, Danisco, 2010, Total Award \$60,000, (\$60,000 to Coon).

**Coon, C.** Protein and amino acid requirements for broiler breeders, Cobb-Vantress, 2010-2011, Total Award \$125,000, (\$62,500 to Coon).

**Donoghue, D.J.** Integrated poultry, livestock and agroforestry production and training for new and beginning farmers and ranchers, USDA-AFRI, 2010-2013, Total Award: \$746,130, (\$74,613 to Donoghue).

**Donoghue, D.J.** Reducing Salmonella Enteritidis and Campylobacter jejuni in chickens by dietary supplementation of plant-derived antimicrobials and delineating their effect on bacterial gene expression by DNA microarray, USDA-AFRI, 2010-2012, Total Award: \$366,107, (\$40,272 to Donoghue).

**Donoghue, D.J.** Quantification and Control of Bacterial Pathogens in Agricultural Watersheds, USDA-NRI, 2008-2010, Total Award: \$400,000, (\$33,333 to Donoghue).

**Erf, G.** Environmental triggers for autoimmune vitiligo expression in susceptible Smyth line chickens, Arkansas biosciences Institute-Agri, 2007-2011, Total Award: \$150,000, (\$50,000 to Erf).

**Erf, G.** Pulmonary Arterial Hypertension: Avian Model of complex vascular Lesion Development, NIH-HL, 2008-2011, Total Award: \$208,000, (\$2,500 to Erf).

**Erf, G.** Peripheral neuropathy as a possible cause of leg paralysis in broiler breeders, Cobb-Vantress, 2009-2010, Total Award: \$40,000, (\$15,000 to Erf).

**Hargis, B.** Hemorrhagic enteritis vaccination of turkeys: research for improved efficacy and safety, Corporate Contract, 2000-No Limit, Total Award: \$82,000.

**Hargis, B.** Development of a Spore-forming Stable Probiotic for Human and Animal use in the control of gastrointestinal Disease, ABI, 2008-2010, Total Award: \$70,000.

**Hargis, B.** Live recombinant Salmonella vaccination with novel universal antigen presentation and immune potentiation, USDA/NRI, 2007-2010, Total Award: \$383,593.

**Hargis, B.** Reduction of campylobacter in Poultry by Live Oral-Vectored Vaccine, USDA/NRI, 2008-2011, Total Award: \$378,473.

**Hargis, B.** Universal Spore-Based Avian Influenza Vaccine, ASTA, 2009-2010. Total Award: \$275,000.

**Kong, B.W.** Host-virus interactions fo infectious laryngotracheitis virus (ILTV) in chickens, ABI, 2009-2010, Total Award: \$50,000, (\$40,000 to Kong).

**Kong, B.W.** Analytic-enabled integrative analysis of microarray studies, ABI, 2009-2010, Total Award: \$49,224, (\$22,000 to Kong).

**Kong, B.W.** Investigation of aging mechanisms and mitochondrial biogenesis in muscle and liver cells, ABI, 2009-2012, Total Award: \$50,000, (\$2,500 to Kong).

**Kong, B.W.** Environmental triggers of autoimmune vitiligo expression in susceptible Smyth line chickens, ABI, 2008-2011, Total Award: \$150,000, (\$2,500 to Kong).

**Kuenzel, W.J.** Central neuroplasticity of the avian vasotocinergic system during stress,N.S.F., 2009-2012, Total Award: \$352,150, (\$102,079 to Kuenzel).

**Kuenzel, W.J.** Acquisition of a low volume isothermal titration calorimeter for biomolecular interaction studies, ABI, 2010, Total Award: \$135,885, (NA Equipment Grant).

**Kuenzel, W.J.** Neurological and immunological abnormalities associated with lameness in boilers, Cobb-Vantress, 2009-2010, Total Award: \$34,660, (One year no cost extension).

**Kwon, Y.M.** Role of protozoa in poultry drinking water in transmission of Campylobacter jejuni, USDA, 2010, Total Award: \$50,000, (\$50,000 to Kwon).

**Marcy, J.** Retail Food Safety Consortium, USDA CSREES Subcontract to Utah State, 2008-2010, Total Award: \$600,000, (\$18,00 to Marcy).

**Marcy, J.** Minimizing the risk of Listeria monocytogeners cross- contamination of deli RTE foods by applying cost effective learning strategies for minority employees, USDA National Integrated Food Safety Initiative, 2010-2012, Total Award: \$592,000.

**Owens, C.** Enriching poultry meat with long-chain omega-3 fatty acids by feeding roasted soybeans or soybean oil from MON 87769. 2010, Total Award: \$79,499, (\$52,957 to Owens).

**Owens, C.** Poultry 101 Workshop, CCS Poultry, 2010, Total Award: \$7,020, (\$7,020 to Owens).

**Waldroup, P.** AYUVET, 2010, Total Award: \$12,000, (\$12,000 to Waldroup).

**Waldroup, P.** BIOMIN, 2010, Total Award: \$18,500, (\$18,500 to Waldroup).

**Waldroup, P.** ABVista, 2010, Total Award: \$17,500, (\$17,500 to Waldroup).

**Waldroup, P.** Walco, 2010, Total Award: \$10,000, (\$10,000 to Waldroup).

**Watkins, S.** Enriching poultry meat with long-chain omega-3 fatty acids by feeding roasted soybeans or soybean oil from MON 87769. 2010, Total Award: \$79,499, (\$26,541 to Watkins).

**Watkins, S.** An open water curtain-biofilter system to reduce ammonia and particulate matter emissions from poultry houses, US Poultry & Egg, 2009-2010, Total Award: \$68,000, (\$2,500 to Watkins).

**Watkins, S.** Energy Efficient LED lighting for the Poultry Industry, US Department of Energy, 2010, Total Award: \$1,500,000, (\$35,000 to Watkins).

**Watkins, S.** Development of commercial Broiler Industry chapter of the Poultry and Upland Gamebird Field Manual for Members of the National Animal Health Emergency Response Corps, APHIS, 2010, Total Award: \$25,800, (\$25,800 to Watkins).

**Wideman, R.** Pulmonary Arterial Hypertension: Avian Model of Complex Vascular Lesion Development, NIH, 2008-2010, Total Award: \$209,283, (\$44,000 to Wideman).

**Wideman, R.** Gene Expression and Candidate Gene Analysis in an Animal Model for Human Pulmonary Arterial Hypertension, ABI, 2008-2010, Total Award: \$103,925, (\$2,000 to Wideman).

**Wideman, R.** Fine-Tuning a Research Model for Exposing Susceptibility to Lameness, Cobb-Vantress, 2009-2010, Total Award: \$75,216, (\$75,216 to Wideman).

**Wideman, R.** Contribution of Litter to Body Weight Gain in Broilers Grown on Wire Flooring, Biomin Holding GmbH, 2009-2010, Total Award: \$3,369, (\$3,369 to Wideman).

**Wideman, R.** Contribution of Litter to Body Weight Gain in Broilers Grown on Wire Flooring, Biomin Holding GmbH, 2009-2010, Total Award: \$3,369, (\$3,369 to Wideman).

**Wideman, R.** Efficacy of Biomin Probiotic for Reducing the Incidence of Lameness in Broilers Grown on Wire Flooring, Biomin Holding GmbH, 2010, Total Award: \$4,369, (\$4,369).

**Wideman, R.** Sudden Death Syndrome (SDS) Pilot Study: Initial Comparison of SDS-Susceptible Line versus Base Line, Cobb-Vantress, 2010, Total Award: \$6,517, (\$6,517).

# SCHOOL OF ARCHITECTURE

## Books Published

Smith, Korydon and Wolfgang Preiser. *Universal Design Handbook*, 2<sup>nd</sup> Edition. New York: McGraw-Hill, 2010.

Smith, Korydon, Jennifer Webb, and Brent T. Williams. *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

## Chapters

Goodstein-Murphree, E.S., "Fay Jones." In *Grove Encyclopedia of American Art*, ed. Joan Marter. New York: Oxford University Press, 2011 and in *Grove Art Online*. *Oxford Art Online* <http://www.oxfordartonline.com/subscriber/article/grove/art/T2090376>.

Luoni, Stephen. "Building Recombinant Ecologies: Triangulating Policy, Models, and Design in Urban Infrastructure "New Directions in Sustainable Design," eds. Adrian Parr and Michael Zaretsky (Abingdon, U.K.: Routledge, 2011) pp 68-83.

Luoni, Stephen. "Design Schools as Public Resources", *ACSA News*, (Washington DC: Association of Collegiate Schools of Architecture, Vol 40, No 1, September, 2010) pp 2-3.

Miller, Nancy G. and Jennifer Webb. "Defining Home." *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

Miller, Nancy G. and Jennifer Webb. "Redefining Home." *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

Perez, Santiago R. "Towards an Ecology of Making," *Material Processes in Architectural Production*, ed. Michael Meredith and Gail Peter Borden. London: Routledge, 2011.

Perez, Santiago R. "Cardboard: Structural & Material Innovation," *Outside the Box: Cardboard Design Now*, ed. Duncan McCorquodale. London: Black Dog Publishing, 2010.

Smith, Korydon and Wolfgang Preiser. "Universal Design at the Urban Scale." *Universal Design Handbook*, 2<sup>nd</sup> Edition. New York: McGraw-Hill, 2010.

Smith, Korydon. "Diversity and Equality in Housing." *Universal Design Handbook*, 2<sup>nd</sup> Edition. New York: McGraw-Hill, 2010.

Smith, Korydon, Darell W. Fields, Jennifer Webb, and Brent T. Williams. "Redefining Equality." *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

Smith, Korydon and Jennifer Webb. "Defining Policy and Practice." *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

Smith, Korydon, Jennifer Webb, and Brent T. Williams. "Introduction." *Universal Design Handbook*, 2<sup>nd</sup> Edition. New York: McGraw-Hill, 2010.

Smith, Korydon and Jennifer Webb. "Redefining Policy and Practice." *Just Below the Line: Disability, Housing, and Equality in the South*. Fayetteville, AR: University of Arkansas Press, 2010.

Smith, Korydon, Jennifer Webb, and Brent T. Williams. "Redefining Design and Disability." *Universal Design Handbook*, 2<sup>nd</sup> Edition. New York: McGraw-Hill, 2010.

Terry, Laura M. "Camp Aldersgate: A New Model for Architectural Education." *Universal Design Handbook*, 2<sup>nd</sup> Edition, New York: McGraw Hill, 2010.

Webb, J., William, B.T., and Smith, K.H. (Fall, 2010). Chapter 43: Redefining Design and Disability: A P-E Fit Model. In *Universal Design Handbook*, 2nd Edition. Wolfgang Preiser, Korydon H. Smith, and Elaine Ostroff, eds. McGraw-Hill.

Webb, J. and Miller, N. G. (Fall, 2010). Chapter 2: Defining Home in *Just Below the Line: Housing, Disability, and Equity in the South*, Korydon Smith, Jennifer Webb, Brent Williams, eds., (Fayetteville, AR: University of Arkansas Press).

Webb, J., Williams, B. T., Smith, K. H., and Miller, N. G. (Fall, 2010) Chapter 5: Redefining Disability in *Just Below the Line: Housing, Disability, and Equity in the South*, Korydon Smith, Jennifer Webb, Brent Williams, eds., (Fayetteville, AR: University of Arkansas Press).

## Refereed Articles and Papers

Crone, John. "Bicycle-Pedestrian Systems Research and Design for Urban Nature." Article, Lecture, Council of Educators in Landscape Architecture, Los Angeles, CA. March 2011.

Boyer, Mark, B.E. Haggard, and D.C. Toland "Evaluation of nutrient concentrations in runoff water from green roofs, conventional roofs and urban streams." *Transactions of the American Society of Agricultural and Biological Engineers*. December 2010.

Boyer, Mark, C.D. Toland, and C.P. West. "Media composition influences green roof plant viability in the Ozark Highlands." *Southeastern Naturalist*. December 2010.

Boyer, Mark, and L. Medal. "Urban slums in sub-Saharan Africa: understanding their origins/evolutions and methods for improvement." *Interdisciplinary Themes Journal*, Vancouver, British Columbia. September 2010.

Brittenuum, Judy. "Verna Cook Garvan: Time in a Garden." *Arkansas Historical Quarterly*. Galleys approved/pending publication.

Goodstein-Murphree, E. S. "In Memoriam, Carlson Terrace, 1957-2007." *Preservation Education Research. Journal of the National Council on Preservation Education*. Vol 3 (2010): pp. 17-26.

Erdman, Kimball. "Garden Walls in China: Culturaly Definitive or Commonplace?" Conference Proceedings, Council of Educators in Landscape Architecture, Los Angeles, CA. March 2011.

Herman, Gregory. "They Like it Fine: Life at Clover Bend, Arkansas' Farm Security Administration." Southeast Society of Architectural Historians conference. October 2010. Chattanooga, Tennessee.

Herman, Gregory. "Dateline Arkansas: Farm Security Administration Resettlements." American Culture Association conference. April, 2011. San Antonio, Texas.

Messadi, Tahar. "A Multidisciplinary Model for an Undergraduate Minor in Sustainability at the University of Arkansas." Association for the Advancement of Sustainability in Higher Education. AASHE 2010 Conference. October 2010. Denver, Colorado.

Perez, Santiago R. "M.I. Material Intelligence," *Creating/Making Forum Proceedings*. University of Oklahoma College of Architecture, November 2010. Norman, Oklahoma.

Sexton, Kim. "The So-Called Primitive Hut: The Politics of Boughs in Pre-Modern European Architecture." SESAH (Southeast Society of Architectural Historians) Annual Meeting. October 2010. Chattanooga, Tennessee.

Sexton, Kim. "Embodied Space and the Early Christian Circus Basilica." College Art Association Conference. February 2011. New York, NY.

Smith, Carla. "Northwest Arkansas and the Response to the Sustainable Urbanism Challenge." Article. Council of Educators in Landscape Architecture, Los Angeles, CA. April 2011.

Smith, K. H., Webb, J., and Williams, B. T. (Fall, 2010). *Just Below the Line: Housing, Disability, and Equity in the South*, (Fayetteville, AR: University of Arkansas Press).

Smith, Korydon. "American Dreams and Realities: Housing in Small-town Middle America." Universal Design Summit. October 2010. St Louis, Missouri.

## **Unrefereed Publications, Proceedings, and Critical Reviews of Work**

"AIA Announces 2011 Institute Honor Awards", *Architect*, February 2011, pp 22-23.

Betsky, Aaron. "100 Acres at the Indianapolis Museum of Art." (Ruth Lilly Visitors Pavilion at the Virginia B. Fairbanks Art & Nature Park by Marlon Blackwell Architect) *The Architects Newspaper*. August 2010.

"Blessings Golf Clubhouse and Guardhouse." *Architizer*. February 11, 2011.

Broome, Beth. "The Fulbright Building." (Marlon Blackwell Architect) *Architectural Record*. June 1, 2010. "Citation Awards", *2010 Design Awards, The Arkansas Chapter of the American Institute of Architects*, pg 9.

Drueding, Meghan, Cheryl Weber, Nigel Maynard and Bruce Snider, "Residential Architect Design Awards 2011", *Residential Architect*, March-April 2011, p 89.

"Extra Necessities." (Marlon Blackwell) *Arkansas Life*. July 2010.

"Fulbright Building." (Marlon Blackwell Architect). *Archello*. January 21, 2011.

Gerfen, Katie. "St. Nicholas Antiochian Orthodox Church." (Marlon Blackwell Architect) *Architect*. November 2010.

Henry, Christopher. "The Ruth Lilly Visitors Pavilion / Marlon Blackwell Architect." *Arch Daily*. June 20, 2011.

"Honor Awards for Regional and Urban Design", *Architect*, May 2011, pp 168-169, 188, 190.

Kent, Cheryl. "Ruth Lilly Visitors Pavilion." (Marlon Blackwell Architect) *Architectural Record*. May 2011.

Madryga, Dan. "Fallingwater On-Site Cottages Competition Winners Announced." (Marlon Blackwell Architect) *Competitions Magazine*. September 2010.

"Marlon Blackwell's Evolutionary Breed." *Architects and Artisans*. December 2010. <http://architectsandartisans.com/index.php/2010/12/marlon-blackwells-evolutionary-breed/>

McLeod, Virginia. "The L-Stack House." (Blackwell Residence). *Encyclopedia of Detail in Contemporary Residential Architecture*. London: Laurence King Publishing, 2010.



Minner, Kelly. "Blessings Golf Clubhouse and Guardhouse / Marlon Blackwell Architect." *ArchDaily*. January 28, 2011.

Minner, Kelly. "Porchdog House / Marlon Blackwell Architect." *Arch Daily*. February 6, 2011.

Minner, Kelly. "Srygley Office Building / Marlon Blackwell Architect." *Arch Daily*. February 10, 2011.

Minner, Kelly. "Fulbright Building Addition / Marlon Blackwell Architect." *Arch Daily*. February 12, 2011.

Minner, Kelly. "Gentry Public Library / Marlon Blackwell Architect." *Arch Daily*. February 14, 2011.

Minner, Kelly. "L-Stack House / Marlon Blackwell Architect." *Arch Daily*. February 16, 2011.

Nancy Levinson, "Venture Design", *Places: Forum of Design for the Public Realm*, April 14, 2011, <http://places.designobserver.com/feature/venture-design/25918/>

Nate Berg, "Make No Small Plans: Grounding Architecture within a Larger Building Ecology", *Architect*, May 2011, pp 44-47.

"Porchdog House by Marlon Blackwell, East Biloxi, Mississippi, USA." Commendation. *Architectural Record*. July 2010.

Qi, Emily. "Blessings Golf Clubhouse and Guardhouse." (Marlon Blackwell Architect) *Golf People Magazine*. May 2011.

Sexton, Kim. Book review, Brendan Cassidy, "Politics, Civic Ideals, and Sculpture in Italy, c. 1240–1400," in *Speculum* 86, no. 1 (Jan. 2011): 174-175.

"The Short List: 50 Architects We Love." (Marlon Blackwell Architect) *Residential Architect*. November-December, 2010.

Sokol, David. "New Art Parks Enliven Urban Centers." (Ruth Lilly Visitors Pavilion at the Virginia B. Fairbanks Art & Nature Park by Marlon Blackwell Architect) *Architectural Record*. October 2010.

Spencer, Ingrid. "Porchdog (Tyler Residence)." (Marlon Blackwell Architect) *Architectural Record*. September 2010.

Sugarman, Joe. "Talk of the Town." (Porchdog House by Marlon Blackwell Architect) *Architect*. April 28 2011.

Thom, Philipp. "Porchdog House von Marlon Blackwell Architect." *Studio 5555*. March 15, 2011.

Tsao, Ines. "Marlon Blackwell Architect / L-Stack House." *Archicake Daily*. May 4, 2011.

Weber, Cheryl. "Marlon Blackwell Architect." *Residential Architect*. November-December, 2010.

## Research Reports

Messadi, Tahar. "Daylight Analysis and Design in Vol Walker Hall: Renovation and Extension." Marlon Blackwell Architect. \$39,565. January 2011.

Messadi, Tahar. "Daylight Analysis and Design in Vol Walker Hall: Renovation and Extension." Marlon Blackwell Architect. \$28,985. April 2011.

Messadi, Tahar. Development of the University of Arkansas Sustainability Minor. Office of the Provost, University of Arkansas, Fayetteville. December 2010

Webb, Jennifer. "Design Futures: The Interiors Entity Regional Report," International Federation of Interior Architects/Designers. November 2010.

## **Invited Lectures**

Blackwell, Marlon. "An Architecture of Unholy Unions," North Texas Sustainable Showcase, Dallas, Texas, July 2010.

Blackwell, Marlon. "Evolutionary Typologies and Other Mutations," University of San Francisco Quito, Ecuador, March 2011.

Blackwell, Marlon. "Evolutionary Typologies and Other Mutations," Thomas Jefferson Foundation Visiting Professor Lecture, University of Virginia, Charlottesville, Virginia, April 2011.

Blackwell, Marlon. "Evolutionary Typologies and Other Mutations," Ghost 13 International Architecture Conference, Halifax, Nova Scotia, Canada, June 2011.

Boyer, Mark. "Green Roofs and Stormwater Management Practices." Energy Conservation Practices Workshop, Garvan Woodland Gardens, Hot Springs, AR. June 2010.

Brittenum, Judy. "City in a Garden: Lt. Robert R. Stevens and Olmsted Firm at Hot Springs National Park." Lecture, Council of Educators in Landscape Architecture, Los Angeles, CA. April 2011.

Brittenum, Judy. "In Search of a Better Professional Practice Course." Lecture, Council of Educators in Landscape Architecture, Los Angeles, CA. April 2011.

Brittenum, Judy. "What War Has Joined Together: Samuel Fordyce's Union Army Experience and Its Influence on Hot Springs, Arkansas." Lecture, Arkansas Historical Association. April 2011.

Erdman, Kimball. "Beck Mill Cultural Landscape Masterplan" Faculty advisor/instructor for student poster presentation, Alliance for Historic Landscape Preservation, Fort Worth, TX. April 2011.

Goodstein-Murphree, E.S. "The Mid-Century Modernism Initiative," Annual Meeting of the Arkansas Chapter, American Institute of Architects, Little Rock, Arkansas, October 23, 2010.

Herman, Gregory. "Arkansas' Farm Security Administration Houses," Phi Alpha Theta Honors History Society, University of Arkansas History Department. Fayetteville, Arkansas, November 2010.

Huber, Jeffrey. "Low Impact Development: a design manual for urban areas," Illinois River Watershed Partnership First Annual Rain Garden Academy, Rogers, Arkansas.

Huber, Jeffrey. "Low Impact Development: a design manual for urban areas," Research Symposium, Economic and Environmental Issues in Arkansas, University of Arkansas, Division of Agriculture, Public Policy Center, Little Rock.

Luoni, Stephen. Low Impact Development, Arkansas Forestry Commission Green Development Workshop, Rogers, Arkansas.

Luoni, Stephen. Urban Design Workshops and Lecturer: American University of Sharjah, United Arab Emirates. Various Independent Studies with architecture and landscape architecture students:

Luoni, Stephen. Visiting Design Critic, Arizona State University.

Luoni, Stephen. Visiting Design Critic, University of Michigan.

Luoni, Stephen. Mithun Endowed Lecturer, University of Washington, Seattle.

Luoni, Stephen. University of Texas at Austin.

Luoni, Stephen. Drury University.

Messadi, Tahar. "The Role of Education in Africa," Annual Meeting of the African Students Organization, University of Arkansas, Fayetteville, March 2011.

Sarpaneva, Pia. "Student Work," Rhode Island School of Design, Providence, Rhode Island, November 2010.

Smith, Korydon. "At Home in My Community: Innovative Housing," Arc, Orlando, Florida, November 2010.

Smith, Korydon. "Fortuitous Circumstances: Toward Inclusive Design in the Urban South," Florida A & M University, Tallahassee, Florida, September 2010.

Terry, Laura M. "Natural State," Artist Lecture, Historic Arkansas Museum, Little Rock, AR, September 2010.

## **Other Lectures, Papers, and Oral Presentations**

Boyer, Mark. "Urban slums in sub-Saharan Africa: understanding their origins/evolutions and methods for improvement." Refereed abstract, delivered by Honors Student and lead author L. Medal. The Planned World: Urban, Rural, Wild International Conference. August 2010.

Brittenum, Judy. "St. Louis: Its Private Streets and Designers." University of Arkansas. October 2010.

Crone, John. "Bicycle-Pedestrian Systems Research and Design for Urban Nature." Lecture, Council of Educators in Landscape Architecture, Los Angeles, CA. March 2011.

Luoni, Stephen. "REALgreen Sustainability Confernece," Arkansas Chapters: United States Green Building Council and American Institue of Architects, Rogers, Arkansas.

Luoni, Stephen. Low Impact Development, Illinois River Watershed Partnership, Rogers, Arkansas.

Luoni, Stephen. "Visioning Rail Transit in Northwest Arkansas," Historic Springdale Group.

Luoni, Stephen. Current Work at UACDC, Fayetteville Chamber of Commerce.

Perez, Santiago R., Gil Akos, and Ronnie Parsons. Workshop: "Digital Form-Finding Using Parametric Software," Fay Jones School of Architecture, University of Arkansas, Fayetteville, Arkansas, February 26 – 28, 2011.

Perez, Santiago R. and David Celento. Workshop: "Computer Aided (CNC) Digital Fabrication Utilizing Steel Plasma Cutting," New Digital Fabrication Lab, Fay Jones School of Architecture, University of Arkansas, Fayetteville, Arkansas, February 17 – 19, 2011.

Perez, Santiato R. Invited Panelist, High Performance Craft Symposium, University of Washington College of Built Environments, Seattle, Washington. May 2011.

Sarpaneva, Pia. "Segundo Laboratorio Historia de la Arquitectura Moderna," Universidad Marista de Merida, Mexico. Commentary. January 2011.

Smith, Carla. "Northwest Arkansas and the Response to the Sustainable Urbanism Challenge." Article. Council of Educators in Landscape Architecture, Los Angeles, CA. April 2011.

## **Other Creative Endeavors**

Marlon Blackwell Architect. Exhibition. "Design Competition: New Cottages at Fallingwater," at the Heinz Architectural Center of the Carnegie Museum of Art. June 12 – August 22, 2010.

Blackwell, Marlon. Cabin (1,200 sq.ft.) and bunkhouse (600 sq. ft.), Burnett Cabin and Bunkhouse, Caddo Gap, Arkansas

Blackwell, Marlon. Addition (15,000 sq.ft.) and master planning, Washington University in St. Louis School of Architecture, St. Louis, Missouri

Blackwell, Marlon. New construction (30,000 sq. ft.) and renovation (60,000 sq.ft.), University of Arkansas School of Architecture: Steven L. Anderson Design Center, Fayetteville, Arkansas

Blackwell, Marlon. Museum store (2,800 sq. ft.) schematic design phase, Crystal Bridges Museum of American Art Museum Shop, Bentonville, Arkansas.

Blackwell, Marlon. Invited competition to design 6 cottages (800 sq.ft.), Fallingwater Cottages, Mill Run, Pennsylvania.

Blackwell, Marlon. Pro bono tenant fit out for free health care and dental clinic, Fayetteville Free Health Clinic (10,000 sq. ft.), Fayetteville, Arkansas, 2011.

Blackwell, Marlon. Elementary school and administration building (7,000 sq. ft.), Montessori Elementary, Fayetteville, Arkansas, 2011.

Blackwell, Marlon. Residence on Mt. Sequoyah (2,500 sq. ft.), Albertson Residence, Fayetteville, Arkansas, 2011.

Erdman, Kimball. Beckwith, Oklahoma Rural Historic District National Register Nomination. Client: Oklahoma SHPO, 35% complete, coauthor.

Perez, Santiago R. Fabcraft Exhibition: "Computational Design & Digital Fabrication," University of Arkansas sUGAR Gallery, Bentonville, Arkansas, March 3 – April 17, 2011.

Smith, Carla. "Blockbuster." Public art and outreach demonstration of compact suburbia. University of Arkansas Student Gallery (sUGAR), Bentonville, AR, and Fayetteville Public Library, Fayetteville, AR. Completed and decommissioned.

Smith, Korydon. Traveling exhibit. Inclusive Communities Workgroup, Little Rock, AR (construction complete).

Terry, Laura M. "Natural State," One-Person Exhibit, Historic Arkansas Museum, Little Rock, AR, September – December 2010.

Terry, Laura M. "Seeds and Stars," One-Person Exhibit, Brick House Kitchen, Fayetteville, AR, December 2010.

Terry, Laura M. Top 5 Finalist, Individual Artist Grant, Works on Paper category, Arkansas Arts Council, September 2010.

University of Arkansas Community Design Center . Exhibition, “Low Impact Development: a design manual for urban areas.” Honor Awards. AIA 2011 National Convention and Expo: The American Institute of Architects, New Orleans

University of Arkansas Community Design Center . “Townscaping an Automobile-Oriented Fabric: Farmington, Arkansas.”

University of Arkansas Community Design Center . Exhibition, “Ralph Bunche Neighborhood Vision Plan”. *Residential Architect* Design Awards. AIA 2011 National Convention and Expo: The American Institute of Architects, New Orleans

University of Arkansas Community Design Center . Exhibition, “Visioning Rail Transit in Northwest Arkansas.” Arkansas Chapter of The American Institute of Architects: Hot Springs.

University of Arkansas Community Design Center . Exhibition, New World Architecture, “Visioning Rail Transit in Northwest Arkansas.” The City and the World Symposium, Madrid The Chicago Athenaeum: Museum of Architecture and Design and Colegio Oficial de Arquitectos de Madrid.

University of Arkansas Community Design Center Exhibition, New American Architecture, “Visioning Rail Transit in Northwest Arkansas.” The Chicago Athenaeum: Museum of Architecture and Design, and The European Centre for Architecture Art Design and Urban Studies. Contemporary Space Athens: Athens, and Istanbul.

University of Arkansas Community Design Center . Exhibition, “Low Impact Development: a design manual for urban areas.” Arkansas APA Annual Meeting, Bentonville, AR

University of Arkansas Community Design Center . Exhibition, “Townscaping an Automobile-Oriented Fabric: Farmington, AR.” Arkansas APA Annual Meeting, Bentonville, AR.

University of Arkansas Community Design Center . Exhibition, "Putting the Farm Back into Farmington, AR: Agricultural Urbanism for Public Spaces.” BSA, *Build Boston*, The Annual Building Industry Convention, World Trade Center: Boston, 2010.

University of Arkansas Community Design Center. Exhibition, “Visioning Rail Transit in Northwest Arkansas.” Arkansas Chapter of the Sierra Club.

Wallack, Catherine. “Ozark Modern: Edward Durell Stone’s Fulbright Furniture,” Exhibition, Arkansas Humanities Council, January – February 2011.

# FULBRIGHT COLLEGE OF THE ARTS AND SCIENCES

## ANTHROPOLOGY

### 1. Books

Nolan, Justin M. and Michael C. Robbins. *Think Cultural Anthropology*. 362 pp., 4-color, 100+ illustrations. in preparation (in press). Pearson Education: Upper Saddle River, NJ

Ungar, P.S. *Mammal Teeth: Origin, Evolution, and Diversity*. The Johns Hopkins University Press, 312 pp. 2010. This is a coffee-table size book with double columns. It has 110 composite figures, most of which Ungar drew by hand, and approximately 340,000 words (the typical academic book is about 75,000 words).

### 2. Chapters

Kay, Marvin. Pietrele Prismatic Blade Use-wear Project, 2009. In Pietrele, “Māgura Gorgana” Bericht u̇ber die Ausgrabungen und geomorphologischen Untersuchungen im Sommer 2009, by Svend Hansen, Meda Toderas., Agathe Reingruber, Ivan Gatsov, Marvin Kay, Petranka Nedelcheva, Dirk Nowacki, Astrid Röpke, Joachim Wahl and Jürgen Wunderlich, pp. 33-37. *Sonderdruck aus Eurasia Antiqua* 16. (copyright 2010; but published in 2011).

Limp, W. F. (2011) Web 2.0 and Beyond: On the Web Nobody Knows You’re an Archaeologist. Kansa, E. and S. Wicher-Kansa, eds. *Web 2.0 and Archaeology*. Los Angeles: Cotsen Institute Press.

Nolan, J. M., Timberlands Barbecue at the Crossroads: Culinary Culture in the Piney Woods. In *The Slaw and the Slow Cooked: An Anthropology of Mid-South Barbecue*, James Veteto and Edward Maclin, eds. Nashville: Vanderbilt Univ. Press, 2010.

Nolan, J. M., (with Nancy J. Turner). Reconstructing Human Life-ways through People-Plant Relationships. In *Ethnobiology*, E.N. Anderson, Deborah M. Pearsall, Nancy J. Turner, eds. New York: Wiley, 2011.

Nolan, Justin M. and Nancy J. Turner. 2011. In *Ethnobotany: The Study of People-Plant Relationships*. In *Ethnobiology*, edited by E. N. Anderson, N. J. Turner, D. Pearsall, and K. Adams. Wiley: New York.

Nolan, Justin M. and John Richard Stepp. 2011. In *Anthropology and Environmental Education*, edited by Helen Kopnina. Nova Scientific Publishers, Hoppauge, NY.

Nolan, Justin M. 2011. Piney Woods Traditions at the Crossroads: Barbecue and Regional Identity in South Arkansas and North Louisiana. In *The Slaw and the Slow Cooked*, edited by James R. Veteto and Edward Maclin. Vanderbilt University Press: Nashville, TN.

Rose, JC, M. El-Najjar, and D.L. Burke. Trade and the Acquisition of Wealth in Rural Late Antique North Jordan. Section IV Synthesis in *Yamun: An Archaeological Site in Northern Jordan*, Mahmoud El-Najjar, ed. Assisted by Muwafaq Al-Bataineh; Published by Deanship of Research and Graduate Studies & Faculty of Archaeology and Anthropology, Yarmouk Univ., Irbid-Jordan. This chapter was reprinted from (ed) F al-Khraysheh *Studies in the History and Archaeology of Jordan IX*. Pp. 61-70. Dept. of Antiquities, Amman Jordan, 2007 to serve as the synthesis for the book.

Stock, Jay T, O'Neill, MC, Ruff, CB, Zabecki, M, Shackleford, L, and Rose, J.C. 2011 Body Size, Skeletal Biomechanics, Mobility and Habitual Activity from the Late Paleolithic to the Mid-Dynastic Nile Valley. In *Human Bioarchaeology of the Transition to Agriculture*, Pinhasi, Ron and Stock, Jay T., eds. Pp. 347 – 367. Wiley-Blackwell, Chichester UK.

George Sabo, III. The Terán Map and Caddo Cosmology, by George Sabo III. In *The Archaeology of the Caddo*, Timothy K. Perttula and Chester P. Walker, eds. 2011. Lincoln, Univ. of NB Press.

George Sabo, III. The Ritual Use of Cave and Rock Shelters in Ozark Prehistory, by George Sabo III, Jerry E. Hilliard, & Jami J. Lockhart. In *Journeys into the Dark Zone: A Cross Cultural Perspective on Caves as Sacred Spaces*, Holley Moyes, ed. Univ. Press of CO, 2011.

Swedenburg, Ted. "Arab Revolt, 1936-39." In Cheryl Rubenberg, ed. *Encyclopedia of the Israeli-Palestinian Conflict*, Vol. 1, pp. 81-83. Boulder: Lynne Reiner Publishers, 2010.

Ungar, P.S.; Lucas, P.W. Tooth form and function in biological anthropology. In *A Companion to Physical Anthropology*. Larsen, C., ed. New York, Wiley-Blackwell, pp. 516-529, 2010.

### 3. Refereed Articles

D'Alisera, JoAnn. "Public Spaces/Muslim Places: Locating Sierra Leonean Muslim Identity in Washington, D.C.," *African Diaspora* 3:1 (2010), 93-109.

Payne, A, K. Cole, K. Simon, C. Goodmaster and W. F. Limp. 2010 "Designing the next generation virtual museum." Frischer, B (ed) *Proceedings, CAA 2009, Making History Interactive*. Pages 292-297. Williamsburg VA.

Limp, W. F. 2010 "Towards a strategy for evaluating heritage visualizations." Frischer, B (ed) *Proceedings, Making History Interactive, 37th Annual Conference on Computer Applications and Analytical Methods in Archaeology*.  
[http://www.caa2009.org/articles/Limp\\_Contribution233\\_c%20\(1\).pdf](http://www.caa2009.org/articles/Limp_Contribution233_c%20(1).pdf).

Simon, K. A. Payne, K. Cole, S. Smallwood, C. Goodmaster, W.F. Limp and J. Cothren. 2010 Close-Range 3D Laser Scanning and Virtual Museums: Beyond Wonder Chambers and Cabinets of Curiosity? Frischer, B., ed. *Proceedings, Making History Interactive, 37th Annual Conference on Computer Applications and Analytical Methods in Archaeology*.  
[http://www.caa2009.org/articles/Limp\\_Contribution233\\_c%20\(1\).pdf](http://www.caa2009.org/articles/Limp_Contribution233_c%20(1).pdf).

Nolan, Justin M., Schneider, Mary Jo. "Medical Tourism in the Back Country: Alternative Health and Healing in the Arkansas Ozarks," *Signs*, Winter 2011, pgs. 319-326.

Phillips, Delisa L, Rose, J.C. and van Haarlem, Willem M 2009 Bioarchaeology of Tell Ibrahim Awad. *Egypt and the Levant* 19:157-210. (Printed 2010) This article represents an extensively rewritten and reorganized master's thesis by Phillips with the pertinent archaeology added by van Haarlem.

Rose, J. C. and Zabecki, Melissa 2010 "Analysis of the South Tombs' Skeletons." *The Akhetaten Sun* 16(1):2-8.

Ward, Carol V., Plavcan, J. Michael, Manthi, and Fredrick Kyalo. (2010) "Anterior Dental Evolution in the *Australopithecus anamensis-afarensis* Lineage." *Phil. Trans Roy Soc. B* 365: 3333-3344.

Plavcan, J. Michael Body Size, Size Variation and Sexual Dimorphism. *Curr. Anthro.* (Submitted for Wenner Gren Spring Symposium, 2011).

Harmon, E.H. Plavcan, J.M., (2010) The Proximal Femur of Early Hominins: The Pattern and Significance of Interspecific Shape Variation. *Amer. J. of Physical Anthro.* Supp. 50: 122-123.

Hammond, A.H, Plavcan, J.M. and Ward, C.V. (2010) Novel 3D Analysis of the Proximal Femur and Hip Joint Function in Living and Fossil Anthropoids. *Amer. J. of Physical Anthro.* Supp. 50: 121-122.

Plavcan, J. Michael (2011) Group Size, Female Resource Competition, Female Body Size and Dimorphism in Primates. *Amer. J. of Physical Anthro.* Supp 52: 240.

Hammond, Ashley S., Plavcan, J. Michael, and Ward, Carol V. (2011) Hindlimb Morphology and Hip Postures in Catarrhine Primates. *Amer. J. of Physical Anthro.* Supp 52: 155.

Ward, Carol V., Plavcan, J. Michael, Hammond, Ashley S., Feibel, Craig, Spoor, Fred, Leakey, Louise S. and Leakey, Meave G. (2011) A New Hominin Pelvis and Femur from Koobi Fora, Kenya. *Amer. J. of Physical Anthro.* Supp. 52: 305.

Al-Shorman, A.; Rose, J. and Turshan, N.. "Geology and Anthropology" A Case Study from Jordan. *Anthropologie* 46: 121-127.

Al-Bashaireh, Khaled, Abdulla al-Shorman, J.C. Rose, A.J. Timothy Jull, and Gregory Hodgins 2010 Paleodiet Reconstruction of Human Remains from the Archaeological Site of Natfieh, Northern Jordan. *Radiocarbon* 52 (2-3):645-652.

Zabecki, M and Rose, JC 2010 Human bones from the South Tombs Cemetery. *The J. of Egyptian Archaeology* 96:28-29.

Swedenburg, Ted. Homies in the 'Hood: Rap's Commodification of Insubordination (*New Formations* 18, 1992), will be reprinted in *Popular Music*, ed. Chris Rojek, SAGE Publications, London, Apr. 2011.

Swedenburg, Ted. Troubadours of Revolt. *Middle East Report* 258 (Spring 2011): 18-19.

Swedenburg, Ted. "Middle East Youths" (*Middle East Report* 245, Winter 2007) republished in Spanish translation, as "Juventud de Oriente Medio: Retos y Oportunidades," in *Alif Nun* 77, Dec. 2009,  
<http://www.libreria-mundoarabe.com/Boletines/n %BA77%20Dic.09/JuventudOrienteMedio.htm>.  
(not reported in last year's annual resume update)

Grine, F.E.; Judex, S.; Daegling, D.J.; Ozcivici, E.; Ungar, P.S.; Scott, R.S.; Scott, J.; Teaford, M.F.; Sponheimer, M.; Walker, A. Craniofacial Biomechanics and Funcational and Dietary Inferences in hominin Paleontology. *Amer. J. of Physical Anthro.*, 58:293-308, 2010.

Krueger, K.L; Ungar, P.S. Incisor Microwear Textures of Five Bioarcheological Groups. *Intl. J. of Osteoarcheology*, 20:549-560, 2010.

Ungar, P.S. La reconstrucció de la dieta en Paleoantropologia: una retrospective sobre els darrers vint-i-cinc anys. *Cota Zero*, 25:156-162, 2010.

Ungar, P.S.; Scott, R.S; Grine, F.E.; Teaford, M.F. Molar microwear textures and the diets of *Australopithecus anamensis* and *A. afarensis*. *Phil. Transactions of the Royal Society of London*, B. 365:3345-3354, 2010.



Cuozzo, F.P.; Ungar, P.S.; Sauther, M.L.; Yamashita, N.; Millette, J.B. Assessing the Impact of Exogenous Grit and Plant Silica on Primate Tooth Wear: A Field and Laboratory Experimental Approach. *Amer. J. of Physical Anthro.* Supplement #52, 2011.

Daegling, D.; Ungar, P.; McGraw, S. Microwear of *Cercocebus atys* from the Tai Forest: Implications for Inference of Hard-object Feeding in the Fossil Record. *Amer. J. of Physical Anthro.* Supplement #52, 2011.

Scott, J.R.; Stynder, D.D.; Schubert, G.W.; Ungar, P.S. Dental Microwear Texture Analysis of Fossil Carnivores from Langebaanweg, South Africa. *Amer. J. of Physical Anthro.* Supplement #52, 2011.

Ungar, P.S. Dental Microwear Analysis. *Beer-N-Bones*, 6(1): 9-13, 2011.

Zolnierz, M.S.; Delezenne, L.K.; Kimbel, W.H.; Scott, J.R.; Ungar, P.S. Premolar microwear in *Australopithecus afarensis* and *A. africanus*. *Amer. J. of Physical Anthro.* Supplement #52, 2011.

Weeks, Rex and Tankersley, Ken. 2011 Talking Leaves and Rocks that Teach: The Archaeological Discovery of Sequoyah's Earliest Written Record. *Antiquity* 85(329):1-17.

#### 4. Non-refereed Articles and Reports

Erickson, Kirstin. Book Review: "We Will Dance Our Truth: Yaqui History in Yoeme Performances", by David Delgado Shorter. *Amer. Anthro.* 112(4): 682-68. 2010 (Dec.).

Kay, Marvin. Beacon Island 32MN234 Point Use-wear Analysis and Technological Structure. Report to PCRG for State Historical Society of North Dakota, Bismarck.

Kvamme, Kenneth L., and Jo Ann Kvamme (2010) *Creating a GIS Database for Beacon Island*. Report submitted to PaleoCultural Research Group, Broomfield, CO.

Kvamme, Kenneth L. (2011) Archaeological Discovery through Technology. *Wolfson College Cambridge Magazine*, 2009-2010, No. 34, pp. 73-74.

Mainfort, Robert C., Jr. (editor and contributor) Archeological Investigations at Upper Nodena:1973 *Field Season*. Research Series 64. Arkansas Archeological Survey, Fayetteville.

Horton, Elizabeth and George Sabo III. 2011 Spiro Perishable Project Makes Exciting New Discovery. *Field Notes: Newsletter of the Arkansas Archaeological Society* No. 358, pp. 9 – 13.

Swedenburg, Ted. Khaled and the myth of rai." Middle East Channel, Foreign Policy.com, Sept.10, 2010.

Belmaker, M.; Ungar, P.S. ניתוח מרקם של דגמי שחיקה במכרסמים - תוצאות ראשוניות וישומיים במחקרים פלאוארקולוגיים. Israel Prehistoric Society Meeting, 2010.

Weeks, Rex, Fred Limp, Angie Payne, Katie Simon, Michael Teichmann, and Diane McLaughlin. Chaco Petroglyphs in 3D: A Preliminary Report of University of Arkansas' Investigations conducted Mar. 21-25, 2011, in Chaco Culture Natl. Historic Park Using Advanced Digital and Spatial Technologies. Report submitted to Dabney Ford, Chief of Cultural Resources, Chaco Culture Natl. Historic Park on May 16, 2011, for presentation before the Native Amer. Consultation Committee meeting May 17, 2011, Ms. on file, Chaco Culture Natl. Historic Park museum collection facility, Univ. of NM, Albuquerque. 7 pp. 2011.

#### 5. Invited Lectures

Casana, Jesse. "Surviving Collapse in the Ancient Near East: Early Bronze Age, Early Iron Age and Late Roman Settlement at Tell Qarqur" *Amer. Schools of Oriental Research Annual Meeting* Atlanta (Nov. 2010) (Refereed.)

Casana, Jesse. In Apr. 2011, Casana was invited to be an Archaeological Institute of America Visiting Lecturer. During the 2011-2012 academic year, Casana will give invited lectures to societies of the AIA across the country.

Erickson, Kirstin C. "Yoeme Language and Cultural Memory." Native Amer. Symposium Language Panel: "Passing the Old to the New: Language Preservation and Revitalization in Contemporary Native Amer. Cultures." 17<sup>th</sup> Annual Native Amer. Symposium, UAF, Nov. 2010.

Erickson, Kirstin C. Keynote address: "Yaqui Rites of Memory: Sacred Space, Women's Labor and Cultural Persistence in Two Ceremonies for the Dead". Invited lecture; Hokkaido University, Sapporo, Japan. This lecture was the capstone event for the Hokkaido Univ. Museum Exhibition, "Indigenous People of the Border: The Yaqui." Sponsored by: GCOE and Hokkaido University Center for Ainu and Indigenous Studies. Feb. 11, 2011. Erickson was invited as the featured speaker to accompany the finale of a museum exhibit on Yaqui material culture at Hokkaido Univ. museum. Her talk focused on material practices in two ceremonies: the Yaqui Days of the Dead and the annual vigil at General Tetabiate's gravesite. Feb. 11, 2011.

Erickson, Kirstin C. "Yoeme Language and Cultural Memory." Native Amer. Symposium Language Panel: "Passing the Old to the New: Language Preservation and Revitalization in Contemporary Native Amer. Cultures." 17<sup>th</sup> Annual Native Amer. Symposium, UAF, Nov. 2010.

Kay, Marvin. Kappelman, J., L. Todd, J. Feathers, M. Fescha, B. Jacobs, M. Kay and C. Klehm. "Blue Highways: MSA Foraging Behaviors along the Blue Nile Tributaries in NW Ethiopia." Paleoanthropology Mtg., Minneapolis, MN. Apr. 12, 2011.

Kvamme, Kenneth L. "Augmenting Geophysics with GIS," Keynote address at the conference *Behind the Scenes: New Developments in Archaeological Remote Sensing and Geophysics*, sponsored by the joint Dutch-German chapt. of the Computer Applications and Archaeology Conference and the Dutch Expertise Center for Archaeological Remote Sensing, Muenster, Germany, Nov. 2010.

Kvamme, Kenneth L. "Archaeological Insights Through Geophysics and GIS in North America," Faculty of Archaeology, Leiden Univ., Netherlands, Nov. 2010.

Kvamme, Kenneth L. "Aerial and Satellite Methods in Archaeology: North Amer. Case Studies," Faculty of Archaeology, Leiden Univ., Netherlands, Nov., 2010.

Kvamme, Kenneth L. "Archaeological Prospecting: An Introductory Overview," class lecture given at Leiden Univ., Netherlands, Nov. 2010.

Kvamme, Kenneth L. "Archaeological Prospecting," given in the joint Environmental Dynamics, Dept. of Geosciences Colloquium, UAF, Apr. 2011.

Kvamme, Kenneth L. "Fantastic Journey: Modeling Archaeology and the Past," keynote address at the Intl. conference *Archaeology and Predictive Modeling*, Organized by the Ctr. for Underwater Archaeology, the Dept. of Cartography and GIS, and the Dept. of Archaeology, of the Sofia Univ. *St. Kliment Ohridski*, held in Ahtopol, Bulgaria, May 2011.

Nolan, Justin M. "Sustainable Food Procurement in the US Heartland." Dept. of Anthro., Washington State Univ.

Nolan, Justin M. "Ethnobotany and Community Education: Challenges and Sticking Points for Research in Native North America." William F. Brown Annual Symposium for Ethnobiology, Missouri Botanical Gardens, St Louis, Nov. 2010.

Nolan, Justin M. "Biodiversity and Cultural Conservation in the Upper South." South Arkansas Historical Foundation, El Dorado, AR, Nov. 2010.

Plavcan, J. Michael Wenner-Gren Spring Symposium: "Human Biology and the Origins of *Homo*." Portugal, 2011.

Rose, Jerome C.. "Akhenaten's People Speak: Tell El-Amarna, Egypt (c. 1325 BCE)". Invited lecture with expenses paid and honorarium. The Institute of Egyptian Art and Archaeology at the University of Memphis, Nov. 5, 2010.

Swedenburg, Ted. "Some Questions about the Academic Boycott of Israel." Conference on "Censuring the Middle East: BDS, Intl. Sanctions, and Campus Politics." Co-sponsored by the Hagop Kevorkian Center for Near Eastern Studies and the Middle East Research Information Project, New York Univ., February, 2011.

Swedenburg, Ted. "The 'Revival' of the Palestinian Kufiya: Solidarity? Fashion? Banality?" Interdisciplinary Lecture Series, Center for Middle Eastern Studies, UC- Berkeley, January 2011.

Swedenburg, Ted. "The Palestinian Kufiya: Fashion Statement? Resistance Symbol? Banality?" Dept. of Anthropology, Univ. of Louisville, October, 2010.

Swedenburg, Ted. "The Egyptian Revolution." The Middle East in Revolution - An Update. Co-sponsored by the King Fahd Center for Middle East Studies and the Sam Walton College of Business. UAF. Mar., 2011.

Ungar, P.S. "Microscopic Use-wear on Teeth and Diets of Human Ancestors and other Fossil Mammals." Keynote address at the Second Intl. Conference on Surface Metrology, Worcester, MA, 2010.

Ungar, P.S. "Application of Geographic Information Systems Technology to the Study of Fossil Teeth. Cyberinfrastructure Days, UAF, Fayetteville, AR, 2010.

Ungar, P.S. "Shedding Light on the Diets of Human Ancestors Using Dental Microwear Analysis." Flinders Univ. School of Biological Sciences Seminar Series, Adelaide, South Australia, 2011.

Ungar, P.S. "Reconstructing Behavior of Fossil Mammals: An Example from the Primates." Paleontological Field School of Flinders Univ., Naracoorte, South Australia, 2011.

Ungar, P.S. "Fossil Teeth and the Diets of Early Human Ancestors from Africa." Darwin Day, UALR, Little Rock, 2011.

Ungar, P.S. "Dental Evidence for Diet in Early *Homo*". Wenner Gren Workshop: Human Biology and the Origins of *Homo*. Sintra, Portugal, 2011.

Ungar, P.S. "Dental Senescence: Resistance to and Causes of Tooth Wear. NESCent Catalysis Meeting: Earth Surface Processes in the Evolution of Mammalian Tooth Shape. Natl. Evolutionary Synthesis Center, Durham, NC, 2011.

D'Alisera, JoAnn. "Locating Pious Presence: Transnational Sierra Leonean Muslim Identity and the Renegotiation of Urban Public Space," Amer. Anthropological Association, New Orleans, Nov. 2010.

D'Alisera, JoAnn. "Walking, Islamic Dress, and the Tactics of Everyday Life: Transnational Sierra Leonean Muslim Identity and the Renegotiation of Urban Public Space (Washington, D.C.)," Soc. for the Anthro. of Religion Biannual Meeting, Santa Fe, NM, Apr. 28-May 1, 2011.

D'Alisera, JoAnn. *Making an Appearance: The Public Life of Religious Dress Society*. Panel organized for the Anthropology of Religion Biannual Meeting, Santa Fe, New Mexico, Apr. 28-May 1, 2011.

Erickson, Kirstin C. "Doubt." Film introduction, presentation and discussion. Presentation for Religious Studies 2010 Faith on Film Festival, UAF. Sept. 2010.

Erickson, Kirstin C. Indigenous Peoples of the Americas Day, Oct 11 2010, UAF. Erickson participated in a "read-in" on Indigenous People's Day. Read from an essay by LeAnn Howe (Choctaw novelist and essayist).

Erickson, Kirstin C. "What in the World is Anthropology?" Presentation to children at the Boys and Girls Club del Norte, Chimayó, NM. Mar. 2011.

Erickson, Kirstin. "Power of the Stranger: Yaqui Performance and Spiritual Struggle in the Colonial Moment." Amer. Folklore Society, Nashville, TN. October 2010.

Kay, Marvin. Guest lecture in class on Anthropology of Warfare, taught by R. Brubaker, 2010.

Kay, Marvin. Lithic Knapping Workshop with two 6<sup>th</sup> grade classes at the New School, Fayetteville, AR, Sept. 10, 2010.

Hargrave, Michael, Kenneth L. Kvamme, and Eileen Ernenwein "Methodological Issues in Ground Truthing the Results of Remote Sensing Surveys," Univ. of IL Archaeometry Conference (Nov., 2010).

Rose, J.C. Zabecki, M and Legge, T 2111 Pigs and people at Amarna - Punishment or ritual (1352-1336 BCE)? Paleopathology Assoc., Minneapolis MN, Apr 11-13, 2011.

Weeks, Rex. Presentation for the Religious Studies program's Faith on Film series, commentary prior to the viewing of the documentary, "The Mystery of Chaco." UAF, Apr. 27, 2011.

## ART

- Books

Jacobs, Lynn; Hyman, Jeremy S. Co-authors. "The Secrets of College Success. Jossey-Bass, a division of John Wiley. 2010.

Mazow, Leo, "Introduction," co-author Kevin M Murphy, in *Taxing Visions: Financial Episodes in Late Nineteenth-Century American Art*, ed. Leo G. Mazow and Kevin M. Murphy (University Park: Palmer Museum of Art, The Pennsylvania State University, 2010), 9-37. (exhibition catalogue)

Forthcoming Mazow, Leo, *Thomas Hart Benton and the American Sound*, of which I am the sole author, has moved from copyediting to the design phase at Penn State University Press, at which the book is under contract for publication in 2012.

- Chapters

Mazow, Leo "Read, Look, Listen: Literary Motives in John Rogers' America" ed. Kimberly Orcutt (New York: New-York Historical Society, 2010), 96-117.

Mazow, Leo "Taxing Visions and the 'Decent Distance'" in *Taxing Visions: Financial Episodes in Late Nineteenth-Century American Art*. Ed. Leo G. Mazow and Kevin M. Murphy (University Park: Palmer Museum of Art, The Pennsylvania State University, 2010), 9-37. (exhibition catalogue)

- Refereed Articles/Papers

Jacobs, Lynn "Memlings' Grisailles and Artistic Self-Consciousness," in *New Studies on Old Masters: Essays in Renaissance Art in Honour of Colin Eisler* (Toronto: Centre for Reformation and Renaissance Studies, 2011), 271-287.

Jacobs, Lynn; Hyman, Jeremy S. Co-authors. "The 5 Biggest Mistakes College Kids Make...and How parents can help students avoid them," USA Today Weekend. August 8, 2010.

Jacobs, Lynn; Hyman, Jeremy S. Co-authors. "You can help Your College Bound Kid," USA Today Weekend. July 11, 2010.

Jacobs, Lynn; Hyman, Jeremy S. Co-authors. "The College Decision from the Professors' Perspective," [nytimes.com](http://nytimes.com). April 9, 2011.

Mazow, Leo "Sensing America," *American Art* 24(Fall 2010):2-11

Mazow, Leo, "Thomas Hart Benton: Painting the Song," completed and forthcoming in journal *The Space Between* 7 (2011). 8,300 words. Refereed article.

#### IV. Unrefereed Publications and Proceedings

Hapgood, Thomas. "Making it Mine: Customizing a WordPress Theme" WordCamp Fayetteville. Fayetteville, AR. 2010.

Jacobs, Lynn. Review: Liesbeth M. Helmus, *Schilderen in opdracht: Noord-Nederlandse contracten voor altaarstukken 1485-1570*. Utrecht: Centraal Museum. 2010. 463pp, 98 black and white illustrations. Published in *Historians of Netherlandish Art* newsletter, November 2010.

La Porte, Angela. (2011) "Building Community in Harlem Through Intergenerational Art Education." In B. Young (Ed.), *Art, Culture, and Ethnicity* (2<sup>nd</sup> ed.). Reston, VA: The National Art Education Association.

La Porte, Angela. (2010) "Fundreds in Arkansas: An interdisciplinary collaboration." *Art Education*, 63(5), 78-82. Reston, VA: The National Art Education Association.

Mazow, Alissa. Columbus Museum of Art: American Art Collection Catalogue 2012. Entries on "Mel Chin's *Spirit* (1994)" (796 words).

Mazow, Alissa. Columbus Museum of Art: American Art Collection Catalogue 2012. Entries on "Jessica Stockholder's *Madonna and Child* (1988)" (838 words).

Mazow, Alissa. Columbus Museum of Art: American Art Collection Catalogue 2012. Entries on Maya Lin.

Mazow, Alissa. Columbus Museum of Art: American Art Collection Catalogue 2012. Entries on Dan Flavin.

Mazow, Leo. Columbus Museum of Art: American Art Collection Catalogue 2012. Entries on Thomas Cole, Albert Pinkham Ryder, George Inness, Maurice Prendergast, Clarence Carter, Agnes Martin, and Romare Bearden.

Mazow, Leo. Crystal Bridges Museum of American Art Catalogue 2011 entries on Thomas Hart Benton, George Inness, and Theodore Robinson

Mazow, Leo. "Robert Walter Weir and the Sense of Place," in *The Weir Family, 1820-1920: Expanding the Traditions of American Art*, ed. Marian Wardle (Provo, Utah: Brigham Young University Museum of Art, 2011)

Mazow, Leo, Entries completed on works by Thomas Hart Benton, George Inness, and Theodore Robinson in forthcoming catalogue highlighting works in the collection of Crystal Bridges Museum of American Art, 2011. 650 words each. Invited.

Mazow, Leo, Entries completed on works by Thomas Cole, George Inness, Albert Pinkham Ryder, Maurice Prendergast, Charles Demuth, Clarence Holbrook Carter, Romare Bearden, and Agnes Martin in forthcoming catalog highlighting the American art collection of the Columbus Museum of Art, Ohio, 2012. Approximately 800 words.

Newman, John. (Illustrator); Harrison, Rebecca Newt "The Pass Key"

Peven, Michael. "Artists Book Cornucopia" exhibition catalog

Peven, Michael. "*Cradle of Civilization*", 1993/2011 carried by Vamp & Tramp Booksellers, LLC

- Invited Lectures

#### **Lynn Jacobs:**

- Chaired session "Relation of painting and Sculpture," International Conference of the Historians of netherlandish Art. Amsterdam. 2010
- Co-presenter of orientation program. "The Very Best Secrets of College Success," Queens College. New York. 2010.
- Co -presenter, "Gimme an A," Westminster College, January 27, 2011
- Co-presenter (with Jeremy Hyman) of a 40-minute presentation on how to develop student success given twice, at two luncheons sponsored by Teaching and Faculty Support Center for new faculty: April 8 and 9, 2011

#### **Angela La Porte:**

- "Meaningful Objects of Ritual". National Art Education Association Conference, Baltimore, Maryland.
- Chin, M. "Fundred: Invested in the Solution: A Conversation on Collaborative Art for Social and Environmental Justice." National Art education Association Conference. Baltimore, Maryland.
- La Porte, A.M. (2011, March). *Creating an intergenerational community through drawings, installation art, and performance art*. Presented at the National Art Education Association Conference, Seattle, Washington.
- Adu-Poki, S; Young, B; Daniel, V. "Art, Culture, and Ethnicity. A Panel Discussion of a Forthcoming NAEA Book.", National Art Education Association Conference, Baltimore, Maryland
- La Porte, A.M., & Kader, T. (2011, March). *Community collaboration: A university embraces multiple formats for creative cultural appreciation*. Presented at the National Art Education Association Conference, Seattle, Washington.

#### **Alissa Mazow:**

- “Audubon on Acid: Walton Ford’s Taxonomical Transgressions and the “Nature” of Art Museums,” Animal Ethics and Representation II: Captive Animals in Postmodern Art session, Society of Literature, Science, and the Arts annual meeting, Indianapolis, IN. 2010.
- Juror, 8th Annual Downtown Bentonville ArtsFest, June 10, 2011.

#### **Leo Mazow:**

- “Bingham, Benton, and Beyond: Reckoning with Rivers in American Art,” Portland Art Museum. 2010.
- “Taxing Visions,” Palmer Museum of Art, The Pennsylvania State University. 2010.
- “Thomas Hart Benton and the American Sound.” Bonniebrook Historical Society, Walnut Shade, Missouri; July 16, 2011. Funded by the Missouri Humanities Council and the National Endowment for the Humanities. Invited lecture.
- “‘Holy Rollers’ and the Dual Nature of Labeling,” College Art Association annual meeting, Los Angeles; late February 2012. Refereed presentation.
- “From Here to There: Transportation Imagery in the Art of Edward Hopper,” Luther College, Decorah, Iowa; October 2012. Invited lecture.

#### 5. Other Lectures, Papers, and Oral Presentations

#### **Lynn Jacobs:**

- Invited panelist presenter. “Crossing to the Other Side: The Mediating Role of Epitaphs,” Historians of Netherlandish Art Amsterdam conference. 2010.

#### **Angela La Porte:**

Committee on lifelong learning in NAEA NEWS, 52(3), 24 and (5), 20.

#### **John Newman:**

- Requested by Manager of Nursing Recruitment, Alice Carpenter January 21 Celebrating Martin Luther King’s Birthday Veterans Hospital Fayetteville, Veterans Health Care Systems of the Ozarks 1100 North College.

#### 6. Exhibitions and Creative activities

#### **Jackie Golden:**

##### Group Exhibitions

- “*Small Works on Paper*” Exhibition, Arkansas Arts Council, 2011
- *3 person show*, Wabi-Sabi Stillness Center, Fayetteville, AR. 2010.

#### **Thomas Hapgood:**

##### Video and film screenings

- “*The Buffalo Flows*” documentary film. For which created DVD packaging, web site, and animations; continued to run on the AETN television network through 2010.
- “*Karlsruhe, Germany documentary film project*”. Traveled to Wichita, KS; New Orleans, LA; and Scottsdale, AZ
- “*Bridge to War Eagle*” documentary film screenings (Fayetteville Public Library, March 10, 2011; Fort Smith Public Library, March 17, 2011; Clinton School of Public Service, Little Rock, May 10, 2011; Samuel V. Champion High School, Boerne, TX, May 20, 2011; Huntsville, AR downtown square, June 3, 2011
- SFC Fluidics 3D animation, instructional videos and promotional video (March 2011)
- Websites Developed
- Launch of Deutsch Parker Design web site
- Rocky Grove web site
- Bookmans web site (coding)
- Bridge to War Eagle web site
- Rio Swim Club web site (coding)

**Jeannie Hulen:**

- Group Exhibitions
- Forthcoming: “More Than a Mold: Contemporary Slip Cast Ceramic” Baum Gallery, University of Central Arkansas, Conway, AR
- “*Some Like It HOT: FAU Ceramics that past 20 years*” exhibition during (NCECA) National Council on Education for the Ceramic Arts, Tampa, FL
- Curated Projects
- “*Drawing the Line: Utilitarian Pots*” Fine Arts Gallery, Fayetteville, AR in curatorial collaboration with UA ceramics faculty and students.

**Leo Mazow:**

- Curator of Exhibition
- “*Taxing Visions: Financial Episodes in Late Nineteenth-Century American Art*,” co-curated exhibition Palmer Museum of Art, The Pennsylvania State University 2010
- and
- “*Taxing Visions: Financial Episodes in Late Nineteenth-Century American Art*,” co-curated exhibition Palmer Huntington Library and Art Collections, San Marino, California. 2011

**Kristin Musnug:**

- Solo Exhibitions
- “*Un-Natural Histories: Paintings of Invasive Species*,” Fine Arts Center Gallery. 2010.
- “*Unnatural Histories*,” Inman Gallery. Houston, TX. 2011.
- Group Exhibitions
- “*Undercrowded*.” University of Central Missouri Gallery of Art and Design. Warrensburg, MO. 2010.
- “*Delta Exhibition*.” Arkansas Arts Center. 2010-11.

**Marilyn Nelson:**

- Solo Exhibition
- Solo exhibition, Main Gallery, Chadron State College, Chadron, NE (26 prints)
- Group Exhibitions
- “*MYTHS & MARKS: Archetypes Throughout the Ages*”. Printmaking Council of New Jersey, Branchburg, NJ. 2010.
- “*TRANSFERRING INK II*”. Fallbrook Art Center. Fallbrook, CA. 2010
- “*A REVERENCE FOR WATER*”. Printmaking Council of New Jersey. Branchburg, NJ. 2010.
- “Signs and Signals”, 3 person exhibition, Historic Arkansas Museum, Little Rock, AR

**John Newman:**

- Group exhibition:
- Winthrop Rockefeller Legacy Art Exhibition, W. Rockefeller Foundation, Morrillton, AR

**Michael Peven:****Group Exhibition**

- “*Artists Book Cornucopia*”. Abecedarian Gallery, Denver, CO
- “*Arkansas Photo Educators*”, sUgAR Gallery, Bentonville, AR
- “*SCSPE Member’s Exhibit*”, Fayetteville Underground, Fayetteville, AR
- “Winthrop Rockefeller Legacy Art Exhibition”, W. Rockefeller Foundation, Morrillton, AR
- “*PhotoSpiva, ’11*”, Spiva Art Center, Joplin, MO
- Curator of Exhibition
- SCSPE Member’s Exhibit, Fayetteville Underground, Revolver Gallery
- SCSPE Student Exhibit, Fayetteville Underground, Hive Gallery
- Arkansas Photo Educators, sUgAR Gallery, Bentonville, AR
- Portfolio Reviewer
- National Society for Photographic Education Conference, Atlanta, GA



**Bethany Springer:**

## Solo Exhibitions

- “*Watermarks*,” Joy Pratt Markham Gallery. Walton Arts Center, Fayetteville, AR
- “*Watermarks*,” University of Wyoming Art Museum. Laramie, WY
- “*The Homeless Project*,” Fayetteville, AR
- Group exhibition
- “*Panache*”. Art Center for the Ozarks, Springdale, AR. Local group Exhibition.
- Video and film screenings
- “*Fugitive Video Project 2009-2010*”. International group invitational touring exhibition sponsored by Fugitive Projects, Nashville, TN, Dublin and Mantua, Ireland; Cairo, Egypt; Banff, Canada; Basel, Switzerland.

7. Representation in publications (publication/reproduction of creative work and/or reviews/discussion of creative work in publications by others)

**Jeannie Hulen:**

- Ceramics Art and Perception, *"The Margins: A Theory of Resistance in Contemporary Ceramics: An Independent Review,"* Adam Welch, March-May 2010 No. 79 issue, p. 45-47

**Angela La Porte :**

- Reference in “NW Arkansas Achievers,” Arkansas Democrat Gazette(October 18, 2010). P. B2
- Referenced in “Art Alumni Student Recognized.” Arizona State University Herberger Institute for Design and the Arts. 2011.
- Referenced in “Students Join Cleanup Effort: Area Schools Donate to Project.” Northwest Arkansas Times(March 13,2010). A1-2
- Referenced in “Fundred Bills to Aid New Orleans,” Arkansas Democrat Gazette( March 10, 2010). B3
- Stokrocki, Mary, Research referenced in “An Intergenerational and Semiotic Exploration of Hair Combs as Material Culture.” International Society for Education through Art Journal of Education Through Art.

**Mazow, Alissa:**

- Excerpts of interview, in Tracie Dungan, “Museum Adds Facets: Crystal bridges Commended for Its Newest Art,” Arkansas Democrat Gazette (December 26, 2010):17

**Mazow, Leo:**

- Excerpts of interview, in Tracie Dungan, “Crystal Bridges Adds Three Pieces to Collection,” Arkansas Democrat Gazette, September 16, 2010.
- Excerpts of interview, in Tracie Dungan, “ Museum Adds Facets: Crystal bridges Commended for Its Newest Art,” Arkansas Democrat Gazette, December 26, 2010.
- Review of Taxing Visions, in ArtDaily.org, January 31, 2011.
- Review of Taxing Visions, in The Wall Street Journal, October 22, 2010.

**Musgnug, Kristin:**

- Peacock, Leslie Newell, “The Delta: Better than the Best” Arkansas Times. Dec. 23, 2010.
- Online interview on MW Capacity, a contemporary point blog, Feb 19, 2010.
- Houston Chronicle and in Fluent~Collaborative’s ...*might be good*, a contemporary art e-journal
- Representation in online publications
- AskArt.com online artist database
- National Museum of Women in the Arts, Arkansas Committee
- Arkansas Artist Registry

- Inman Gallery

### **Nelson, Marilyn.**

- “TRANSFERRING INK II” Exhibition. Two color web catalog reproductions
- “AREVERENCE FOR WATER” Exhibition. One color web catalog reproduction.
- “MYTHS & MARKS” Exhibition. Black/white catalog reproduction.

### **Peven, Michael:**

- *Who's Who in American Art*. 31<sup>st</sup> Edition
- Representation in online publications
- “Art is Moving: A Am Artist: Michael Peven”
- “Kentucky Virtual Library: Kentuckiana Digital Library” representation of work purchased by University of Kentucky
- “Artists Book Cornucopia” “Open...Heart Surgery” used on Flickr announcement of exhibit

### 8. Creative Works acquired by public collections:

- “Drive By Shootings”, University of Regina, Regina Saskatchewan, Canada
- Colorado College, Tutt Library, Colorado Springs, CO
- Otis College of Art and Design, Low Angeles, CA
- “Man Made Wonders” Jaffe Center for the Book Arts, Florida Atlantic University
- “Open...Heart Surgery” Colorado College, Tutt Library, Colorado Springs, CO
- Jaffe Center for the Book Arts, Florida Atlantic University

### **Springer, Bethany**

- Spencer, Christopher. “Artist Bethany Springer’s Watermarks Show on Display Tuesday at the Walton Arts Center.” *Ozarks Unbound*. Jan.12, 2011.
- Appleton, mille. “The Homeless Project Finds Face of Local Poverty.” *The Arkansas Traveler*. 2010.
- Edwards, Chelsea. “The Homeless Project.” *KNWA News*. March 12, 2010.
- Jaquish, Barbara. “Homelessness: More than Just Numbers.” *University of Arkansas research Frontiers*. Spring 2010.
- Kellams, Kyle. “The Homeless Project.” *Ozarks at Large*. KUAF 91.3 Radio. March 14, 2010.
- Martin, Becca. “Homeless Voices Heard: Art Project Captures Other Side of Prosperity.” *Northwest Arkansas Times*. March 12, 2010.
- Spencer, Christopher. “The Homeless Project Goes Live Monday on Fayetteville Square.” *Ozarks Unbound*. Feb 26, 2010.

## **BIOLOGICAL SCIENCES**

1. Books: None published in 2010-11.
2. Refereed Publications:

Van Dyke, J., M.V. Plummer, and S.J. Beaupre. 2011. An examination of the function of residual yolk in hatchling smooth softshell turtles, *Apalone mutica*. *Comparative Biochemistry and Physiology*. 158: 37-46.

Beaupre, S. J. and H. W. Greene. 2011. Handling Hazardous Live Reptiles. Appendix for R. McDiarmid (ed.) *Reptiles: Standard Methods of Inventory and Monitoring*. Smithsonian Institution Press, Washington, DC. (note this book chapter has recently been revised, and the book project revitalized – reports have it that the book will publish in 2011). *Listed last year as well.*

Beaupre, S.J. 2011. *Deciduous Forest Habitat Management Guidelines*.

Southwestern Partners in Amphibian and Reptile Conservation. (K. Halama and R. Lovich eds.) *In Press*. This MS is an invited chapter to a large volume on habitat management for Reptile and Amphibian Conservation – to be published by PARC.

Graening, G.O., D.B. Fenolio, M.L. Niemiller, A.V. Brown, and J.B. Beard. 2010. The 30-year recovery effort for the Ozark cavefish (*Amblyopsis rosae*): Analysis of current distribution, population trends, and conservation status of this threatened species. *Environmental Biology of Fishes* 87: 55-88. (Published online in 2009, in the journal in 2010.)

Lewis, S. E. and A. V. Brown. 2010. Comparative leaf decomposition rates including a non-native species in an urban Ozark stream. *Journal of the Arkansas Academy of Sciences* 24:1-5.

Jennings, J. H. and W. J. Etges. 2010\*. Species hybrids in the lab but not in nature: a reanalysis of premating isolation between *Drosophila arizonae* and *D. mojavensis*. *Evolution* 64:587-598.

Etges, W. J., C. C. de Oliveira, M. A. F. Noor, and M. G. Ritchie. 2010. Genetics of incipient speciation in *Drosophila mojavensis*. III. Life history divergence and reproductive isolation. *Evolution* 64:3549-3569.

Yew, J. Y., K. Dreisewerd, C. C. de Oliveira, and W. J. Etges. 2011. Male-specific transfer and fine scale differentiation of newly identified cuticular hydrocarbons and triacylglycerides in a *Drosophila* species pair. *PLoS ONE*, *in press*.

Chambers, C.P., M.R. Whiles, E.J. Rosi-Marshall, J.L. Tank, T.V. Royer, N.A. Griffiths, M.A. Evans-White, and A.J. Stojak. 2010. Responses of stream macroinvertebrates to Bt maize leaf detritus. *Ecological Applications* 20:1949-1960

Lewis, NE, NJ Marty, KM Kathir, D Rajalingam, AD Kight, A Daily, TKS Kumar, RL Henry, RL Goforth (2010). A Dynamic CpSRP43-Albino3 Interaction Mediates Translocase Regulation of CpSRP Targeting Components. [J Biol Chem 285\(44\): 34220-34230](#). PMID: 20729200

Henry, RL (2010) SRP: adapting to life in the chloroplast. [Nature Structural & Molecular Biology 17\(6\): 676-677](#). PMID: 20520661

Fologea D, E Krueger, R Al Faori, R Lee, YI Mazur, RL Henry, M Arnold, GJ Salamo (2010). Multivalent Ions Control the Transport through Lysenin Channels. [Biophysical Chemistry 152\(1\): 40-45](#). PMID: 20724059.

James, Douglas A., Amitha Bachan K.H., and Ragupathy Kannan. 2011. Installation of artificial nest cavities for the endangered Great Hornbill *Buceros bicornis*: A pilot study in southern India. *The Raffles Bulletin of Zoology* 2011, Supplement Number 24.

James, D.A., K.G Smith, J.C. Neal and J.G. Hehr. 2010. A cargo of birds to Arkansas, the Hurricanes in 2008 and the swept clean hypothesis. *Journal of the Arkansas Academy of Science*, v. 64:86-91 (dated 2010 but published in 2011).

Oliver-Kozup, H. and T.A. Kral. 2009. (HAS A 2009 DATE, BUT IT CAME OUT IN EARLY 2010) Methane Production on Rock and Soil Substrates by Methanogens: Implications for Life on Mars. *Bioastronomy 2007: Molecules, Microbes, and Extraterrestrial Life*. K.J. Meech, J.V. Keane, M.J. Mumma, J.L. Siefert and D.J. Werthimer (eds.), *Astronomical Society of the Pacific*, Vol. 420, p. 137-146.

Chastain, B.K. and T.A. Kral. 2010. Zero-Valent Iron on Mars: An Alternate Energy Source for Methanogens. *Icarus*. 208, 198-201.

Ulrich, R., T. Kral, V. Chevrier, R. Pilgrim, and L. Roe. 2010. Dynamic Temperature Fields under

the Mars Landing Sites and Implications for Supporting Microbial Life. *Astrobiology*. 10(6), 643-650.

Chastain, B.K. and T.A. Kral. 2010. Approaching Mars-like Geochemical Conditions in the Laboratory: Omission of Artificial Buffers and Reductants in a Study of Biogenic Methane Production on a Smectite Clay. *Astrobiology*. 10(9), 889-897.

Kral, T.A., T.S. Altheide, A.E. Lueders and A.C. Schuerger. 2011. Low Pressure and Desiccation Effects on Methanogens: Implications for Life on Mars. *Planetary and Space Science*, in press (doi:10.1016/j.pss.2010.07.012).

Budd, M. J., and D. G. Krementz. 2010. Habitat Use by Least Bitterns in the Arkansas Delta. *Waterbirds*. 33:140-147.

Kelley, J. R. Jr., S. J. Williamson, M. Banker, D. R. Dessecker, D. G. Krementz, D. G. McAuley, W. L. Palmer, and T. J. Post. 2010. Implementing the American woodcock conservation plan. *Transactions of the North American Wildlife and Natural Resource Conference*. 73:in press.

Darrah, A. J., and D. G. Krementz. 2010. Occupancy and habitat use of the least bittern and pied-billed grebe in the Illinois and Upper Mississippi River Valleys. *Waterbirds*. 33: 367-375.

Krementz, D. G., and J. D. Luscier. 2010. Woodpecker densities in the Big Woods of Arkansas. *Journal of Fish and Wildlife Management* 1:102-110.

Krementz, D. G., and E. E. Gbur, Jr. 2011. American woodcock wingbee reliability. 10<sup>th</sup> American Woodcock Symposium. In press.

Darrah, A. J., and D. G. Krementz. 2011. Habitat use of nesting and brood-rearing king rails in the Illinois and Upper Mississippi River Valleys. *Waterbirds* 34: In press.

Ugrankar, R., Liu, Y., Provaznik, J., Schmitt, S., and Lehmann, M. (2011). Lipin is a Central Regulator of Adipose Tissue Development and Function in *Drosophila melanogaster*. *Mol. Cell. Biol.* 31, 1646-1656. (DOI # 10.1128/MCB.01335-10)

Lessner DJ, Lhu L, Wahal CS, and Ferry JG. 2010. An Engineered Methanogenic Pathway Derived from the Domains *Bacteria* and *Archaea*. *MBio*. 1(5):e000243-10

Larson, E.R. and D.D. Magoulick. 2011. Life history notes on *Cambarus hubbsi* (Hubbs Crayfish) from the South Fork Spring River, Arkansas. *Southeastern Naturalist* (In Press)

Dekar, M.P., D.D. Magoulick and J. Beringer. 2010. Bioenergetics assessment of fish and crayfish consumption by otter (*Lontra canadensis*): integrating prey availability, diet, and field metabolic rate. *Canadian Journal of Fisheries and Aquatic Sciences* 67:1439-1448.

Ludlam, J.P. and D.D. Magoulick. 2010. Effects of consumer identity and disturbance on stream mesocosm structure and function. *Fundamental and Applied Limnology* 177:143-149.

Ludlam, J.P. and D.D. Magoulick. 2010. Environmental conditions and biotic interactions influence ecosystem structure and function in a drying stream. *Hydrobiologia* 644:127-137.

Blanchard, A., C. Wolter, D.S. McNabb, and E. Gross. 2010. Wave-SOM: A novel wavelet-based clustering algorithm for analysis of gene expression patterns. *IJKDB* 1(2): 50-71.

Londo, J.P., N.S. Bautista, C.L. Sagers, E.H Lee, and L.S. Watrud. 2010 Glyphosate spray drift affects fitness and alters gene flow among transgenic *Brassica napus*, weedy *Brassica rapa*, and hybrid generations. *Annals of Botany*. DOI: 10.1093/aob/mcq190

Bautista, N. S., C.L. Sagers, E. Henry Lee and L.S. Watrud. 2010. Flowering times in genetically modified *Brassica* hybrids in the absence of selection. *Canadian Journal of Plant Science* 90:185-187.

McNett, K., J. Longino, P. Barriga, O. Vargas, K. Phillips and C.L. Sagers 2010. Stable isotope investigation of a cryptic ant-plant association: *Myrmelachista flavocotea*. (Hymenoptera: Formicidae) and *Ocotea* spp. (Lauraceae). *Insectes Sociaux* 57:67-72.

Londo JP, Bollman BA, Sagers CL, Watrud LS. (anticipated publication 2011) Multiple transgene traits may create un-intended fitness effects in *Brassica napus*. *Heredity*.

Londo JP, Bollman BA, Sagers CL, Watrud LS. (anticipated publication 2011) Selection pressure alters gene flow from single and stacked transgenic canola (*Brassica napus* L.) to non-transgenic *B. napus* and *B. rapa*. *New Phytologist*.

Sagers, C.L. (anticipated publication 2011) Nutrient acquisition and concentration by ant symbionts: the incidence and importance of biological interactions on plant nutrition. *In* J. Polacco and C. Todd (eds) *Environmental Aspects of Nitrogen Metabolism in Plants*. Wiley-Blackwell Publishers, Indianapolis.

Brown MW, Silberman JD, Spiegel FW. (2010). ["Slime Molds" among the Tubulinea \(Amoebozoa\): Molecular Systematics and Taxonomy of Copromyxa](#). *Protist*. epub ahead of print.

Yubuki N, Leander BS, Silberman JD. (2010). Ultrastructure and molecular phylogenetic position of a novel phagotrophic stramenopile from low oxygen environments: *Rictus lutensis* gen. et sp. nov. (Bicosoecida, incertae sedis). *Protist* 161(2):264-278.

Kolisko M, Silberman JD, Cepicka I, Yubuki N, Kiyotaka T, Yabuki A, Leander BS, Inuoye I, Inagaki Y, Roger AJ, Simpson AGB. (2010). A wide diversity of previously undetected free-living relatives of diplomonads isolated from marine/saline habitats. *Environ. Microbiol.* 12(10):2700-2710.

Brown MW, Silberman JD, Spiegel FW. (2010). A morphologically simple species of *Acrasis* (Heterolobosea, Excavata), *Acrasis helenhemmesae* n. sp. *J. Eukaryot. Microbiol.* 75(4):346-353.

Romeralo M, Rajguru SN, Silberman JD, Landolt JC, Fiz O, Stephenson SL. (2010). Population structure of the social amoeba *Dictyostelium rosarium* based on rDNA. *Fungal Ecol.* 3(4):379-385.

Barbera MJ, Ruiz-Trillo I, Tufts JYA, Amandine B, Silberman JD, Roger AJ. 2010. Expressed sequence tag and ultrastructural analyses suggest that *Sawyeria marylandensis* (Heterolobosea) has a hydrogenosome with novel metabolic properties. *Eukaryotic Cell*. 9(12):1913-1924.

Brown MW, Silberman JD, Spiegel FW. (2010). A contemporary evaluation of the acrasids (Acrasidae, Heterolobosea, Excavata). *Europ. J. Protist.* (in prep).

James, D. A., K. G. Smith, J. C. Neal, and J. G. Hehr. 2011. A cargo of birds to Arkansas, the hurricanes of 2008 and the swept clean hypothesis. *Proc. Ark. Acad. Sci.* 64:86-91. (new full citation)

LUSCIER, J. D., S. E. LEHNEN, and K. G. SMITH. 2010. Habitat occupancy by Rusty Blackbirds wintering in the Lower Mississippi Alluvial Valley. *Condor* 112: 841-848.

JAMES, D. A., K. G. SMITH, J. C. NEAL, and J. G. HEHR. 2011. A cargo of birds to Arkansas, the hurricanes of 2008 and the swept clean hypothesis. *Proc. Ark. Acad. Sci.* 64: in press.

WITTENBERG, S. R., and K. G. SMITH. 2011. Northern Harrier (*Circus cyaneus*). *The Birds of North America*, No. 210 (revised). In press.

Ndiritu, GN, FW Spiegel, and SL Stephenson. 2009. Rapid biodiversity assessment of myxomycetes in two regions of Kenya. *Sydowia* 61:287-319. (Reported in press for 2009)

Romeralo, M. FW Spiegel, and S Baldauf. 2010. A fully resolved phylogeny of the social amoebas (Dictyostelia) based on combined ncSSU and ITS rDNA sequences. *Protist* 161:539-548. (Reported in press for 2009)

Brown, MW, JD Silberman, and F.W. Spiegel. 2010. A morphologically simple species of *Acrasis* (Heterolobosea, Excavata), *Acrasis helenhemmesae* n. sp. *J. Eukaryot. Microbiol.* 57:346-353.

Brown, MW, JD Silberman, and FW Spiegel. 2010. "Slime molds" among the Tubulinea (Amoebozoa): molecular systematic and taxonomy of *Copromyxa*. *Protist.* 162:277-287. doi: 10.1016/j.protist.2010.09.003.

Aguilar, M, FW Spiegel, C Lado. 2011. Microhabitat and climatic preferences of protosteloid amoebae in a region with a Mediterranean climate. *Microb. Ecol.* DOI: 10.1007/s00248-011-9843-6.

Spiegel, FW. 2011. Commentary on the chastity of amoebae: re-evaluating evidence for sex in amoeboid organisms. *Proc. R. Soc. B.* 278:2096-2097. DOI: 10.1098/rspb.2001.0608.

Smith, T. and S. L. Stephenson. 2010. A preliminary report on the terrestrial algae of La Malinche National Park and Cofre de Perote National Park, Mexico. *International Journal on Algae* 12(1):57-63.

Vasilyeva, L. N., A. Chernyshev, and S. L. Stephenson. 2010. Pyrenomycetes of the Russian Far East 4. family Nitschkiaceae (Coronophorales, Ascomycota). *Mycologia* 102:233-247.

Wrigley de Basanta, D., C. Lado, A. Estrada-Torres, and S. L. Stephenson. 2010. Biodiversity of myxomycetes in subantarctic forests of Patagonia and Tierra del Fuego, Argentina. *Nova Hedwigia* 90:45-79.

Ndiritu, G.G., F. W. Spiegel, and S. L. Stephenson. 2009. Rapid biodiversity assessment of myxomycetes in two regions of Kenya. *Sydowia* 61:287-319.

Rojas, C., S. L. Stephenson, A. Estrada-Torres, R. Valverde, and O. Morales. 2010. New records of myxomycetes from high-elevation areas of Mexico and Guatemala. *Mycosphere* 1:73-82.

Vasilyeva, L. N., and S. L. Stephenson. 2010. The problems of traditional and phylogenetic taxonomy of fungi. *Mycosphere* 1:45-51.

Rollins, A. W., J. C. Landolt, and S. L. Stephenson. 2010. Dictyostelid cellular slime molds associated with grasslands of the central and western United States. *Mycologia* 102:996-1003.

Cavender, J. C., J. C. Landolt, G. G. Ndiritu, and S. L. Stephenson. 2010. Dictyostelid cellular slime molds of Africa. *Mycosphere* 1:147-152.

Adams, H. S., and S. L. Stephenson. 2010. Twenty-five years of succession in the spruce-fir forest on Mount Rogers in southwestern Virginia. *Castanea* 75:205-210.

Ko Ko, T.W., S. L. Stephenson, K. D. Hyde, and S. Lumyong. 2010. Patterns of occurrence of myxomycetes on lianas. *Fungal Ecology* 3:302-310.

Rollins, A. W., H. S. Adams, and S. L. Stephenson. 2010. An ecological study of the red spruce-hardwood ecotone in the Central Appalachians. *Castanea* 75:303-314.

Rojas, C., R. Valverde, S. L. Stephenson, and M. J. Vargas. 2010. Biogeographical and ecological patterns of Costa Rican myxomycetes. *Fungal Ecology* 3:139-147.

Romeralo, M., S. N. Rajguru, J. D. Silberman, J. C. Landolt, O. Fiz, and S. L. Stephenson. 2010. Population structure of the social amoeba *Dictyostelium rosarium* based on rDNA. *Fungal Ecology* 3:379-385.

Moreno, G., D. W. Mitchell, C. Rojas, and S. L. Stephenson. 2010. A new species of *Stemonitis* (Myxomycetes) from Costa Rica. *Boletín de la Sociedad Micológica de Madrid* 34:199-203.

Stephenson, S. L., and S. N. Rajguru. 2010. Dictyostelid cellular slime moulds in agricultural soils. *Mycosphere* 1:333-346.

Stephenson, S. L. 2010. Mycetozoans (Slime Moulds). Pages 96-97 in *European Atlas of Soil Biodiversity*. European Commission, Publications Office of the European Union, Luxembourg.

Ko Ko, T.W., S. L. Stephenson, K. D. Hyde, and S. Lumyong. 2011. Influence of seasonality on the occurrence of myxomycetes. *Chiang Mai Journal of Science* 38:71-84.

Rojas, C., S. L. Stephenson, and G. R. Huxel. 2010. Macroecology of high-elevation myxomycete assemblages in the northern Neotropics. *Mycological Progress* (in press).

Rojas, C., M. Schnittler, and S. L. Stephenson. 2010. A review of the Costa Rican myxomycetes (Amebozoa). *Brenesia* (in press).

Winsett, K. E., and S. L. Stephenson. 201-. Global distribution and molecular diversity of *Didymium difforme*. *Mycosphere* (in press).

Stephenson, S. L., A.-M. Fiore-Donno, and M. Schnittler. 201-. Myxomycetes in soil. *Soil Biology and Biochemistry* (in review).

Mohamed, A. Y., K. A. Abd-Elsalam, M. A. Moslem, A. H. Bahkali, E. C. H. McKenzie, S. L. Stephenson, L. Cai, and K. D. Hyde. 201-. Culture collections, the new herbaria for fungal pathogens. *Fungal Diversity* (in press)

Vasilyeva, L. N., and S. L. Stephenson. 201-. Biogeographical patterns in pyrenomycetous fungi and their taxonomy. I. The ‘Grayan’ disjunction. *Mycotaxon* (in review).

Romeralo, M., J. C. Cavender, J. C. Landolt, S. L. Stephenson, and S. L. Baldauf. 2011. An expanded phylogeny of social amoebas (Dictyostelia) shows increasing diversity and new morphological patterns. *BMC Evolutionary Biology* 11:84 (1-10).

Winsett, K. E., and S. L. Stephenson. 201-. Global distribution and molecular diversity of *Didymium difforme*. *Mycosphere* (in press).

Vadell, E. M., J. C. Cavender, M. Romeralo, S. M. Edwards, and S. L. Stephenson. 2011. New species of dictyostelids from Patagonia and Tierra del Fuego, Argentina. *Mycologia* 103:101-117.

Tucker, D. R., I. L. Coelho, and S. L. Stephenson. 2011. Household slime molds. *Sydowia* (in press).

Rosing, W. C., D. W. Mitchell, G. Moreno, and S. L. Stephenson. 2011. Additions to the myxomycetes of Singapore. *Pacific Science* 65:391-400.

Stephenson, S. L., and J. C. Landolt. 2011. Dictyostelids from aerial “canopy soil” microhabitats. *Fungal Ecology* 4:191-195.

Rollins, A. W., and S. L. Stephenson. 2011. Global distribution and ecology of myxomycetes. *Current Topics in Plant Biology* 12:1-14.

Winsett, K. E., and S. L. Stephenson. 2011. Global distribution and molecular diversity of *Didymium difforme*. *Mycosphere* 2:135-146.

Rojas, C., S. L. Stephenson, and G. R. Huxel. 2011. Macroecology of high-elevation myxomycete assemblages in the northern Neotropics. *Mycological Progress* (in press).

Mohamed, A. Y., K. A. Abd-Elsalam, M. A. Moslem, A. H. Bahkali, E. C. H. McKenzie, S. L. Stephenson, L. Cai, and K. D. Hyde. 2011. Culture collections, the new herbaria for fungal pathogens. *Fungal Diversity* (in press).

Dynamic gene expression of GH/PRL-family hormone receptors in gill and kidney during freshwater-acclimation of Mozambique tilapia. JP Breves, AP Seale, RE Helms, CK Tipsmark, T Hirano, EG Grau. *Comparative Biochemistry and Physiology A* 158, 194-200, February 2011

Differential effects of cortisol and 11-deoxycorticosterone on ion transport protein mRNA levels in gills of two euryhaline teleosts, Mozambique tilapia (*Oreochromis mossambicus*) and striped bass (*Morone saxatilis*). P Kiilerich P, CK Tipsmark, RJ Borski SS Madsen. *Journal of Endocrinology* 209, 115–126, 2011. April 2011

Switching of Na<sup>+</sup>, K<sup>+</sup>-ATPase isoforms by salinity and prolactin in the gill of a cichlid fish. Tipsmark CK, Breves JP, Seale AP, Lerner D, Hirano T, and Grau EG. *Journal of Endocrinology* 209, 237-244, 2011. May 2011

*Tipsmark CK, Mahmmoud YA, Borski RJ, Madsen SS. Localization and association of FXYD-11 with Na<sup>+</sup>, K<sup>+</sup>-ATPase  $\alpha$ -subunit in the gill of Atlantic salmon: Regulation during acquisition of seawater tolerance. American Journal of Physiology, 299, R1212-R1223, 2010c (November issue; UARK as address of correspondence).*

*Breves JP, Seale AP, Helms RE, Tipsmark CK, Hirano T, Grau EG. Dynamic gene expression of GH/PRL-family hormone receptors in gill and kidney during freshwater-acclimation of Mozambique tilapia. Comparative Biochemistry and Physiology Part A (published online 3 November 2010; UARK addressed – double addressed).*

Walker, J. M., S. R. Goldberg, J. E. Cordes and M. A. Paulissen. 2008. *Aspidoscelis laredoensis* (Laredo spotted whiptail) x *Aspidoscelis gularis gularis* (Texas spotted whiptail). Reproductive potential. *Herpetological Review* 39:87.

Walker, J. M. 2008. *Aspidoscelis costata huico* (Blue- chested Whiptail). Reproduction. *Herpetological Review* 39:85-86.

Walker, J. M. 2008. *Aspidoscelis costata nigrigularis* (Sinaloa Black-throated Whiptail lizard). *Herpetological Review* 39:86-87.

Paulissen, M. A., J. A. Lemos-Espinal, J. M. Walker, and H. M. Smith. 2009. *Aspidoscelis costata barrancarum*. Diet. *Herpetological Review* 40:83-84. (Correspondent: Paulissen).

Cordes, J. E., and J. M. Walker. 2009. Parthenogenetic *Aspidoscelis neomexicana* (Sauria: Teiidae) and syntopic congeners in Presidio County, Texas. *Southwestern Naturalist* 54:226-230. (Correspondent: Walker).

Butterfield, B. P., J. B. Hauge, and J. M. Walker. 2009. Identity, reproduction, variation, ecology, and geographic origin of a Florida adventive: *Cnemidophorus lemniscatus* (Rainbow Whiptail Lizard, Sauria: Teiidae). *Southeastern Naturalist* 8:45-54. (Correspondent: Walker).



Manning, G. J., J. M. Walker, and S. R. Goldberg. 2009. *Aspidoscelis tessellata* (Checkered Whiptail) x *Aspidoscelis sexlineata viridis* (Prairie Racerunner). Reproductive Potential. Herpetological Review 40:340. (Correspondent: Walker).

Walker, J. M., J. R. Dixon, and T. W. Axtell. 2009. The taxonomic status of the inornate (unstriped) and ornate (striped) whiptail lizards (*Aspidoscelis inornata* [Baird]) from Coahuila and Nuevo León, México. Herpetological Review 40:276-282. (Correspondent: Walker)

Pérez-Ramos, E., A. Nieto-Montes de Oca, J. A. Vargas-Contreras, J. E. Cordes, M. A. Paulissen, and J. M. Walker. 2010. *Aspidoscelis sexlineata* (Sauria: Teiidae) in Mexico: Distribution, habitat, morphology, and taxonomy. Southwestern Nat. 55:420-426. (Correspondent: Walker)

Walker, J. M., E. Perez-Ramos. 2010. *Aspidoscelis calidipes* (Rio Tepalcatepec Valley Whiptail). Reproduction. Herpetological Review 40:350. (Correspondent: Walker)

Walker, J. M. 2010. *Aspidoscelis costata griseocephala* (Blue-throated Whiptail. Reproduction. Herpetological Review 40:351. (Correspondent: Walker)

JENNIFER L. NEWBY, JACOB BOLING, JOHN ESTES, LAURA K. GAREY, ANDREA M. GRELLE, JULIE HASKEN, RORY MCKEE, ANTHONY WILMES, CHAD E. MONTGOMERY, MICHAEL I. KELRICK, AND JAMES M. WALKER 2011. PATTERN-CLASS D OF PARTHENOGENETIC *ASPIDOSCELIS TESSELATA* (SAURIA: TEIIDAE) IN LAS ANIMAS COUNTY, COLORADO. SOUTHWESTERN NATURALIST 56:131-133. (Correspondent: Walker)

Harry L. Taylor, Mark A. Paulissen, James M. Walker, and James E. Cordes. 2011. FOOD NICHE BREADTH AND OVERLAP BETWEEN SYNTOPIC POPULATIONS OF PARTHENOGENETIC *ASPIDOSCELIS TESSELATA* PATTERN CLASS C AND GONOCHORISTIC *ASPIDOSCELIS SEXLINEATA* (SQUAMATA: TEIIDAE) IN SOUTHEASTERN COLORADO, SOUTHWESTERN NATURALIST (IN PRESS FOR PUBLICATION IN 2011). (CORRESPONDENT: TAYLOR)

#### 9. Nonrefereed Publications:

Arkansas Vascular Flora Project: Species of Conservation Interest. Report submitted in electronic format. Johnnie L. Gentry and Jennifer Ogle. 2010.

Spiegel, FW, LL Shadwick, G Ndiritu, MW Brown, M Aguilar and JD Shadwick. 2011(?) Chapter 27b. The Protosteloid amoebae. In L Margulis and MJ Chapman, eds. Handbook of Protoctista, 2e. Jones and Bartlett Publishers, Boston. Chapter manuscript reviewed by editors, final draft near completion for Fall, 2011.

One book ("The Natural History of Central Appalachian Forests") currently being prepared for publication [anticipated completion date of October 2011)

Van Dyke, J.U. and S.J. Beaupre. 2010. Enriched stable isotope tracers indicate income allocation in putative capital breeding snakes. American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.

Van Dyke, J.U. and S.J. Beaupre. 2010. Estimating reproductive effort in viviparous snakes: Metabolic costs of vitellogenesis. American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.

Douglas, L.E. and S.J. Beaupre. 2010. Effects of large scale habitat manipulation on body condition in Timber rattlesnakes (*Crotalus horridus*). American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.

Beaupre, S.J. 2010. Long-Term Studies Of Field Metabolic Rate In Timber Rattlesnakes: Annual Variation, Critical Factors, and Implications for Bioenergetic Studies. Society of Integrative and Comparative Biology, Annual Meeting 2010, Seattle, WA. January 3-7, 2010.

Brenda Flack, Douglas Rhoads, Steven Beaupre. 2010. A Genetic Analysis of Population Structure and Multiple Paternity in Timber Rattlesnakes (*Crotalus horridus*). 8<sup>th</sup> annual meeting of *Ecological Genomics*. Kansas City, KS. November 2010.

Brown, A.V., M.D. Matlock, B.E. Haggard, E.C. Cummings, and R.G. Hotz. 2010. Biological assessment of the Osage Creek basin, Illinois River, Arkansas. Presented at the 2010 Joint Meeting of the Arkansas and Oklahoma Chapters of the American Fisheries Society. Ft. Smith, Arkansas. February 2010.

Brown, A.V., R.G. Hotz, E.C. Cummings, B.E. Haggard, and M.D. Matlock. 2010. Fish assemblages as instruments of water quality assessment in the Illinois River, AR. Presented at the 2010 Joint Meeting of the Arkansas and Oklahoma Chapters of the American Fisheries Society. Ft. Smith, Arkansas. February 2010.

Brown, A.V., M.D. Matlock, B.E. Haggard, and E.C. Cummings. 2010. Biological assessment of the Osage Creek tributary to the Illinois River of Arkansas and Oklahoma. Presented at the 2010 ASLO/NABS Joint Summer Meeting. Santa Fe, New Mexico. June 2010.

Cummings, E.C., A.V. Brown, B.E. Haggard, and M.D. Matlock. 2010. Water quality assessment of the Osage Creek tributary to the Illinois River of Arkansas and Oklahoma. Presented at the Annual Meeting of the American Society of Agricultural and Biological Engineering. Baltimore, Maryland. November 2010.

Lewis, S.E. and A.V. Brown. 2010. Leaf decomposition of a non-native species in an urban stream. Presented at the annual meeting of the Arkansas Academy of Sciences. Little Rock, Arkansas. April 2010. (Won best student paper award)

Wang Y. Zhou J. and Du Y. Heterogeneous nuclear ribonucleoprotein A2/B1 (hnRNP A2B1) binds influenza viral protein NS1 and inhibits viral replication potentially through counteracting the effect of NS1 on mRNA nuclear export. *Gordon Research Conference: The Biology of Post-Transcriptional Gene Regulation*, July 18-23, 2010, Newport, RI. *Reviewed*.

Zhou Z., Zhou J., and Du Y. Mitochondrial Protein HADHB Physically and Functionally Interacts with Estrogen Receptor Alpha. *Mitochondrial Biology Symposium: Advances in Mitochondrial Dynamics and Mitochondrial-Cytosolic Communications*. May 16-17, 2011, National Institutes of Health (NIH), Bethesda, MD. *Reviewed*.

Zhou Z., Zhou J., and Du Y. HADHB Is A Molecular Target of Estrogen Receptor  $\alpha$  in the Mitochondria. *Arkansas Biosciences Institute Fall Research Symposium*, September 29, 2010. Little Rock, AR. *Non-reviewed*.

Zhou J., Robertson K.S., and Du Y. Quantitative Proteomics Analysis of the Signaling Pathways that Confer Acquired Radioresistance in Pancreatic Cancer Cells. *ASMS Conference on Mass Spectrometry and Allied Topics*. June 5 - 9, 2011, Denver, CO. *Reviewed*.

Selvam R., Jurkevich A., Du Y., Mikhailova M., Cornett L.E., Kuenzel W.J. Validation of a polyclonal antibody against chicken arginine vasotocin receptor (VT4R) and distribution of VT4R in the brain of sexually mature chickens. *Poultry Science Association meeting*, July 16-19, 2011, St. Louis, Missouri.

Etges, William. 2010. Ecological genomics of host plant adaptation and stress in desert *Drosophila*. (A poster with A. G. Gibbs, C. C. de Oliveira, and S. Rajpurohit, presenter). Presented at the SICB 2010 meeting, Seattle WA, Jan. 3-7.

Etges, William. Spatial and chemical profiling of *Drosophila mojavensis* and *Drosophila arizonae* cuticular hydrocarbons using ultraviolet-laser desorption/ ionization mass spectrometry. (with Joanne Y. Yew, presenter, C. C. de Oliveira, and K. Dreisewerd) presented at the 26<sup>th</sup> International Society of Chemical Ecology meeting, Tours, France, July 31-Aug. 4.

Etges, William. Presentations at Evolution 2010, joint meetings of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. June 25-29, at Portland State University.

Etges, William. Ecological genomics of host use and mating status in *Drosophila mojavensis*. (A poster with S. Rajpurohit, C. C. de Oliveira, G. Almeida, and A. Gibbs).

Etges, William. Phylogenetic analysis of courtship songs in *Drosophila*. (A poster with C. C. de Oliveira, M. Manfrin, and F. Sene).

Etges, William. Environment dependent sexual selection in a desert insect: female choice and male sexual signals. (A poster with J. Havens).

Etges, William. Transcriptome analysis of desiccation in desert adapted *Drosophila mojavensis*. (A poster with S. Rajpurohit (presenter), C. C. de Oliveira, and A. G. Gibbs).

Etges, William. Presented at the 2010 American Physiological Society Intersociety 2011

Etges, William. Presentations at the SICB 2011 Meeting, Salt Lake City, UT, Jan. 3-7. (Posters with S. Rajpurohit, C. C. de Oliveira, and A. G. Gibbs).

Etges, William. Functional genomics of desiccation tolerance in cactophilic *Drosophila mojavensis*. A poster, S. Rajpurohit (presenter).

Etges, William. Effects of temperature on gene expression in a desert *Drosophila*. A poster, A. Gibbs (presenter).

Henry, Ralph. Gordon Research Conference (March, 2010, Galveston TX): A Dynamic CpSRP43-Albino3 Interaction Mediates Translocase Regulation of CpSRP Targeting Components. (Poster presentation with Nathan Lewis).

James, Douglas A. "Grade School to Ancient Age, Fun with Ornithology" Featured address at the annual meeting of the Fayetteville Natural Heritage Association, 8 May

Kral, T.A., T.S. Altheide, A.E. Lueders, T.H. Goodhart, B.T. Virden, W. Birch, K.L. Howe and P. Gavin. 2010. Methanogens: A Model for Life on Mars.

Virden, B.T. and T.A. Kral. 2010. Methanogen Use of Insoluble Carbonates and the Implications for Life on Mars. AbSciCon 2010 (#5152) - refereed.

Tryon, R.K. and T.A. Kral. 2010. Heat Tolerance of Methanogens. AbSciCon 2010 (#5258) - refereed.

Murphy, C. and T.A. Kral. 2010. The Effects of Desiccation on Methanogens Under Aerobic and Anaerobic Conditions. AbSciCon 2010 (#5331) - refereed.

Goodhart, T. and T.A. Kral. 2010. The Effects of Perchlorate on Methane Production by Methanogens. AbSciCon 2010 (#5524) - refereed.

Parashar, S. and T.A. Kral. 2010. Possibility of Methanogens on Enceladus. AbSciCon 2010 (#5044) - refereed.

Kral, T.A. 2010. Methanogens: A Model for Life on Mars. JPL invited presentation.

Viriden, B.T. and T.A. Kral. 2010. Carbonate as a Sole Carbon Source for Methanogen Metabolism: Implications for Life on Mars. Am. Soc. Microbiol. Ann. Meet. – refereed.

Viriden, B.T. and T.A. Kral. 2010. Methanogen Use of Insoluble Carbonates and the Implications for Life on Mars. Meteoritical Society Meeting (#5029) - refereed.

Langston, R., A. Daily, C. Padilla, D. McNabb, and T.K.S. Kumar. Design and characterization of a novel heparin binding peptide. Arkansas INBRE Research Conference October 15-16, 2010.

Kumar, S.G., C. Padilla, A. Daily, T.K.S. Kumar, and D. McNabb. Effects of the heparin binding peptide on the cell proliferation activity of the human acidic fibroblast growth factor. Arkansas INBRE Research Conference October 15-16, 2010.

Rajan, A., S.G. Kumar, C.S. Padilla, A. Daily, T.K.S. Kumar, and D. McNabb. Monitoring the cell proliferation activity of fibroblast growth factor and suramin. Arkansas INBRE Research Conference October 15-16, 2010.

Set1 methyltransferase and its role in centromere function. Payel Chaudhuri, Marsha Rhoads and Inés Pinto. Poster presented at the Graduate Student Research Symposium and Career Networking Event (A2C). U of A. Fayetteville, AR 2010.

Involvement of the Hda1 deacetylase complex in centromere function and chromosome segregation. Wes Williamson, Abeer M. Almutairi, Marsha Rhoads and Ines Pinto. Oral presentation. International Yeast Genetics and Molecular Biology Meeting, July 27-August 1 2010. Vancouver, Canada.

AA Al-Rubaye, NB Anthony, GF Erf, RF Wideman, DD Rhoads (2011) Using Quantitative PCR To Investigate Three Candidate Genes Related To Pulmonary Hypertension In The Chicken. Plant and Animal Genome, San Diego, CA, Jan 2011

N Fitri, S Krishnamoorthy, NB Anthony, RF Wideman, DD. Rhoads (2011) Genetic Analysis of a Region on Chicken Chromosome 1 for Contribution to Pulmonary Hypertension and Ascites in Different Broiler Lines. Plant and Animal Genome, San Diego, CA, Jan 2011

SC Munnaluri, S LunBeck, DP Froman, DD Rhoads (2011) Genetic Analysis of Chromosomal Regions Contributing to Sperm Mobility Phenotype in Broilers. Plant and Animal Genome, San Diego, CA, Jan 2011

Lasagna E., Monteagudo Ibáñez L., Rhoads D., García Gil M., Landi V., Guémené D., Pitel F., Cassandro M., Bagnato A., Weigend S. The First Chicken Non Official Comparison Test. Associazione per la Scienza e le Produzioni Animali, XIX Congresso Nazionale, Cremona, Italy, June 2011

AA Al-Rubaye, NB Anthony, GF Erf, RF Wideman, DD Rhoads. Investigation of Three Candidate Genes Related to Pulmonary Hypertension Syndrome in the Chicken using Quantitative PCR. Poultry Science Association, Denver, CO, July 2010.

S Krishnamoorthy, NB Anthony, DD Rhoads, RF Wideman, GF Erf. Genetic Analysis of Ascites Susceptibility using Micro-satellite Markers in Commercial Broilers. Poultry Science Association, Denver, CO, July 2010.

Barriga, P.A., S.V. Sloan, S.D. Porter and C.L. Sagers. 2010. Stable isotope enrichment as a function of metamorphosis and diet in laboratory colonies of the invasive fire ant, *Solenopsis invicta*. Annual Meeting of Sigma Xi Society, Raleigh, North Carolina, 10 November.

Schafer, M.G., A.X. Ross, J.P. Londo, C.A. Burdick, E.H. Lee, S.E. Travers, P. van de Water and C.L. Sagers. 2010. Evidence for the establishment and persistence of genetically modified canola populations in the U.S. Annual meeting of the Ecological Society of America, Pittsburgh, Pennsylvania, 6 August.

### **Dr. Kimberly G. Smith**

- Invited lectures:
  - 2011. King Abdullah University of Science and Technology, Saudi Arabia.
  - Birds of the Middle East
- Guest lectures:
  - 2011. Dept. of Biology, Bridgewater State University
  - Invited paper: regional:
  - 2011. The blue fin tuna today: Ecological and socio-economic issues of over-harvesting. University of Arkansas, Fulbright Colloquium: Integral Approaches to Knowledge.
- Presentation at Professional meeting:
  - 2011. Response of leaf litter arthropods to woodland restoration in the Ozark Mountains of Arkansas. Entomological Society of America/American Plant Society, San Juan, Puerto Rico (with M. R. McClung)
- Invited:
  - Patterns of habitat occupancy by Rusty Blackbirds wintering in the Lower Mississippi Alluvial Valley. Rusty Blackbird: Range-wide Perspective on a Short-distance Migrant in Decline. American Ornithologists' Union, San Diego, CA. (with J. Luscier)
- Other:
  - Reproductive success of shrubland birds in conservation-managed fields and an evaluation of habitat sources and sinks. American Ornithologists' Union, San Diego, CA (with C. Slay)
  - Response of avian and arthropod populations to woodland restoration in the Arkansas Ozarks. American Ornithologists' Union, San Diego, CA (with M. McClung)
  - Estimating population size of black bears in the Arkansas Ozarks using hair capture, DNA profiling, and mark-recapture analysis. The Wildlife Society, Snowbird, UT (with Thea Kristensen)
  - Managing for early successional birds in Connecticut. Bird Conservation Conference in the Northeast, Plymouth, MA (with C. Slay)

### **Dr. Steven L. Stephenson**

- Stephenson, S. L. Myxomycetes of Thailand. International Mycological Congress in Edinburgh, Scotland (August 2010)
- Seminar at the University of Nairobi (Kenya) in January of 2011 (invited)
- Seminar at Mae Fah Luang University (Thailand) in June of 2011 (invited)
- Society for Integrative and Comparative Biology (SICB) 2011 Meeting, Salt Lake City, UT. Invited oral presentation: Salinity dependent gill Na,K-ATPase isoform shifts in a cichlid fish and prolactin dependence of the freshwater enzyme. Chairman of Session: "Hormonal Control of Osmoregulation" January 3-7, 2011

I. Chapters

Borgmann S; Wilkins CL. “Polymer Analysis with Fourier Transform Mass Spectrometry” in MALDI Mass Spectrometry for Synthetic Polymer Analysis, L. Li Ed., John Wiley and Sons, Inc., Hoboken, NJ (2010) pp. 53-84.

Jayanthi S; Kumar TKS. “Cloning of WAP domain proteins” in Molecular Cloning, Publisher – In Tech. (ISBN 97-953-307-398-9).

Andersen OS; Nielsen C; Maer AM; Lundbæk; Goulian M; Koeppe RE II. “Ion Channels as Tools to Monitor Lipid Bilayer-Membrane Protein Interactions: Gramicidin Channels as Molecular Force Transducers” in P. Michael Conn, editor: Essential Ion Channel Methods. Academic Press. Burlington, pp. 315-333.

Schäfer L. “Beyond Darwin: Understanding the Evolution of Life in Accordance with the Paradigm Change in Physics and Chemistry” in „*Über Darwin Hinaus?*“. F. Vogelsang, H. Meisinger, eds. Bonn, Evangelische Akademie im Rheinland, 2010: p. 205-218.

3. Refereed Articles

Anderson EC; Weston MC; Fritsch I. Investigations of redox magnetohydrodynamic fluid flow at microelectrode arrays using microbeads. *Anal. Chem.* 82(7), 2643-2651, 2010.

Baker J; Janowski T; Wolinski K; Hinton J; Pulay P. Recent Developments in PQS, Wiley Interdisciplinary Reviews in Computational Molecular Science, 2011 (invited paper).

Beng TK; Gawley RE. Highly enantioselective catalytic dynamic resolution of *N*-Boc-2-lithiopiperidine: Synthesis of (*R*)-(+)-Pipelicolic acid, (*S*)-(-)-Coniine, (*S*)-(+)-Pelletierine, (+)- $\beta$ -Conhydrine, (*S*)-(-)-Ropivacaine, and formal synthesis of (-)-Lasubine II and (+)-Cermizine C. *J. Am. Chem. Soc.* 12216-12217, 2010. This article was highlighted in *SYNFACTS* 2010, 1328.

Beng TK; Gawley RE. Application of catalytic dynamic resolution of *N*-Boc-2-lithiopiperidine to the asymmetric synthesis of 2-Aryl and 2-Vinyl piperidines. *Org. Lett.* 13, 394-397, 2011.

Bryson KL; Dixon JC; Sears DWG. Evaporation effects on the formation of Martian gullies. *Icarus* 210, 72-82, 2010.

Calhoun LN; Liyanage R; Lay JO Jr; Young MK. Proteomic analysis of salmonella enteric serovar enteritidis following propionate adaption. *BMC Microbiology* 10, 249, 2010.

Chandrashekar R; Salem O; Krizova H; McFeeters R; Adams PD. A Switch 1 Mutant of Ras Protein Cdc42 Exhibits Decreased Conformational Freedom. *Biochemistry*, 2011. DOI: 10.1021/bi2004284.

Chen J; Yang M; Zhang Z; Cho EC; Cogley CM; Claus C; Kim C; Wang LV; Welch MJ; Xia Y. Gold nanocages: A novel class of multifunctional nanomaterials for theranostic applications. *Advanced Functional Materials* 20, 3684-3694, 2010 (invited feature article).

Cho EC; Chen J; Glaus C; Welch MJ; Xia Y. Inorganic nanoparticle-based contrast agents for molecular imaging. Trends in Molecular Medicine 16, 561-578, 2010 (invited review article).

Cobley CM; Chen J; Cho EC; Wang LV; Xia Y. Gold nanostructures: A class of multifunctional materials for biomedical applications. Chemical Society Reviews, 40, 44-56, 2011 (invited tutorial review).

Kim C; Cho ED; Chen J; Song KH; Au L; Favazza C; Zhang Q; Cobley CM; Cao F; Xia Y; Wan LV. Cancer targeting in vivo with bio-conjugated gold nanocages as monitored and quantified using photoacoustic tomography. ACS Nano 4, 4559-4564, 2010 (it was featured in a press release article posted on the WUSTL website, with a title of "Seeing Melanoma," and covered by many other media).

Li W; Cai X; Kim C; Sun G; Zhang Y; Deng R; Yang M; Chen J; Achilefu S; Wang LV; Xia Y. Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. Nanoscale 3, 1724-1730, 2011.

Xia Y; Li W; Cobley CM; Chen J; Xia X; Zhang Q; Yang M; Cho EC; Brown PK. Gold nanocages: From synthesis to theranostic applications. Accounts of Chemical Research 2011, in press (invited review article).

Xia X; Yang M; Oetjen LK; Zhang Y; Li Q; Chen J; Xia Y. An enzyme-sensitive probe for photoacoustic imaging and fluorescence detection of protease activity. Nanoscale 3, 950-953, 2011 (it was highlighted as a hot paper on the website of Nanoscale).

Zhang Q; Li W; Moran C; Chen J; Wen L; Xia Y. Seed-mediated synthesis of Ag nanocubes with controllable edge lengths in the range of 30-200 nm and comparison of their optical properties. Journal of the American Chemical Society 132, 11372-11378, 2010.

Jana S; Clements MD; Sharp BK; Zheng, N. Fe(II)-catalyzed activation of aromatic C-H bonds via ring opening of 2H-azirines: Synthesis of 2,3-Disubstituted indoles. Organic Letters 12, 3736-3739, 2010.

Daily AE; Kim JH; Greathouse DV; Andersen OS; Koeppe RE II. Polar groups in membrane channels: consequences of replacing alanines with serines in membrane-spanning gramicidin channels. Biochemistry 49(32), 6856-65, 2010.

Emerson B; Gidden J; Lay JO Jr; Durham B. A rapid separation technique for overcoming suppression of triacylglycerols by phosphatidylcholine using MALDI-TOF MS. Journal of Lipid Research 51, 2428-2434, 2010.

Emerson B; Gidden J; Lay JO Jr; Durham B. Laser desorption/ionization time-of-flight mass spectrometry of triacylglycerols and other components of fingerprint samples. *Journal of Forensic Science*, doi: 10.1111/j.1556-4029.2010.01655.x, 2011.

Fakunle E.S.; Fritsch I. Low Temperature Co-fired Ceramic Microchannels with Individually-Addressable Screen-Printed Gold Electrodes on Four Walls for Self-Contained Electrochemical Immunoassays. *Anal. Bioanal. Chem.*, 398, 2605-2615, 2010.

Ensafi A; Nazari Z; Fritsch I. Highly Sensitive Differential Pulse Voltammetric Determination of Cd, Zn and Pb Ions in Water Samples using Stable Carbon-Based Mercury Thin-Film Electrode. *Electroanalysis* (in press, 2010) DOI:10.1002/elan.201000246.

Ensafi AA; Ring AC; Fritsch I. Highly Sensitive Voltammetric Speciation and Determination of Inorganic Arsenic in Water and Alloy Samples using Ammonium 2-Amino-1-Cyclopentene-1-Dithiocarboxylate. *Electroanalysis* 22, 1175-1185, 2010.

Gawley RE and Smith GA. Formal synthesis of the bisbenzylisoquinoline alkaloid berbaminine by asymmetric substitution of chiral organolithium compounds. *Arkivoc* 167-179, 2011. Special issue dedicated to Bill Bailey.

Romo TD; Bradney LA; Greathouse DV; Grossfield A. Membrane binding of an acyl-lactoferricin B antimicrobial peptide from solid-state NMR experiments and molecular dynamics simulations. *Biochim. Biophys. Acta*. Doi:10.1016/j.bbamem.2011.03.017.

Rusinova R; Herold KF; Sanford LS; Greathouse DV; Hemmings HC Jr.; Andersen OA. Thiazolidinedione insulin sensitizers alter lipid bilayer properties and voltage-dependent sodium channel functions. *J. General Physiology* (submitted) 2010.

Herbaugh AW; Stenken JA. Antibody-enhanced microdialysis collection of CCL2 from rat brain. *Journal of Neuroscience Methods*. DOI: 10.1016/j.neumeth.2011.05.006.

Janowski T; Pulay P. Efficient Calculation of the Perturbational Triples Contributions in Coupled Cluster Theory. *American Institute of Physics Conference Proceedings*, 2011.

Kannan A; Hettiarachchy NS; Lay JO Jr; Liyanage R. Human cancer cell proliferation inhibition by a pentapeptide isolated and characterized from rice bran. *Peptides*, 31, 1629-1634, 2010.

Kannan L; Rath NC; Liyanage R; Lay JO Jr. Effect of toll-like receptor activation on thymosin beta-4 production by chicken macrophages. *Molecular and Cellular Biochemistry*, 344, 55-63, 2010.

Karimi A; Yan F; Coto C; Park JH; Min Y; Lu C; Gidden JA; Lay JO Jr; Waldroup PW. Effects of level and source of oregano leaf in starter diets for broiler chicks. *J. Applied Poultry Res.* 19, 137-145, 2010.

Lundabæk JA; Goulian M; Koeppe RE II; Andersen OS. Amphiphile regulation of ion channel function by changes in the bilayer spring constant. *Proc. Natl. Acad. Sci.* 197, 15247-15430, 2010.

Lau C-S; Bunnell KA; Clausen EC; Thoma GJ; Lay JO Jr; Gidden J; Carrier DJ. Separation and purification of xylose oligomers using centrifugal partition chromatography. *Journal of Industrial Microbiology & Biotechnology*, 38:2, 363-370, 2011.

Sivakumar G; Vail DR; Xu J; Burner DM; Lay JO Jr; Ge X; Weathers PJ. Bioethanol and biodiesel: Alternative liquid fuels for future generations. *Eng. Life Sci.*, 10, No. 1, 8-18, 2010.



Lewis N; Kight AD; Daily AE; Kumar TKS; Henry RL; Goforth RL. The C terminus of Alb3 interacts with the chromodomains 2 and 3 of cpSRP43. J. Biol. Chem. 285(53), 26-28, 2010.

Lewis N; Marty NJ; Kathir KM; Rajalingam D; Kight AD; Daily AE; Kumar TKS; Henry RL; Goforth RL. A dynamic cpSRP43-Alb3 interaction mediates translocase regulation of cpSRP target components interaction of cpSRP43 and the C-terminus of albino3 mediates translocase regulation of cpSRP. J. Biol. Chem. 285(44), 34220-34230, 2010.

Magyarfalvi G; Wolinski K; Hinton J; Pulay P. Shielding Theory: BIAO Methods, in Encyclopedia of Magnetic Resonance, Wiley, New York, 2011 (invited paper).

Yu H; Mazzanti CL; Whitfield TW; Koeppe RE II; Andersen OS; Roux B. A combined experimental and theoretical study of ion solvation in liquid N-methylacetamide. J. Am. Chem. Soc. 132, 10847-10856, 2010.

Shaw J; McIntosh MC. Organic Linking. ACS Chem. Biol. 5, 255-256, 2010 (Editor's Letter).

Miladinović, SM; Kaesler CJ; Knust M; Wilkins CL. Tandem Fourier Transform Mass Spectrometry of Block and Random Copolymers. Internat. J. Mass Spectrom. (submitted, 2010).

Ostrowski DR; Gietzen K; Lacy C; Sears DWG. An investigation of the presence and nature of phyllosilicates on the surfaces of C asteroids by an analysis of the continuum slopes in the IR near infrared spectra. Meteoritics and Planetary Science 45, 615-637, 2010.

Ostrowski DR; Lacy CHS; Gietzen KM; Sears DWG. IRTF spectra for 17 asteroids from the C and X complexes: A discussion of continuum slopes and their relationships to C chondrites and phyllosilicates. Icarus, Volume 212, Issue 2, p. 682-696. 2011.

Pulay P. Plane-wave Based Low-scaling Electronic Structure Methods for Molecules, in Linear-Scaling Techniques in Computational Chemistry and Physics, Springer, New York and Berlin, 2011 (Invited paper).

Pulay P. A perspective on the CASPT2 method. Intern. J. Quantum Chem. 2011 (invited paper).

Rasaputra KS; Liyanage R; Lay JO Jr; McCarthy FM; Rath NC. Tibial dyschondroplasia associated proteomic changes in chicken growth plate cartilage. Avian Diseases 541166-1171. 2010.

Sakon J. Fusion protein of collagen binding domain and parathyroid hormone. WO 2008/124166 A2. EC, US, Japan and Canada.

Katikaneni R; Ponnappakkam T; Sakon J; Matsushita O; Gensure RC. Prevention of Chemotherapy induced alopecia by a novel PTH-collagen binding domain fusion protein. Journal of Endocrinological Investigation, 2011 (accepted).

Kim J-W; Moon H-M; Benamara M; Sakon J; Salamo GJ; Zharo VP. Aqueous-phase synthesis of monodisperse plasmonic gold nanocrystals using shortened single-walled carbon nanotubes. Chemical Communications, Rec'd March 4, 2010, Accepted August 4, 2010.

Ponnappakkam T; Katikaneni R; Miller E; Ponnappakkam A; Hirofumi S; Miyata S; Suva LJ; Sakon J; Matsushita O; Gensure RC. Monthly administration of a novel PTH-Collagen binding domain fusion protein is Anabolic in mice. Calcif. Tissue Int. 2011 June; 88(6):511-20.

Schäfer L. „Auch in der Ethik wie in den Naturwissenschaften: Paradigmenwechsel und Rückkehr zu den ewigen Wahrheiten“ ETHICA 19 (2011) 3-17.

Schäfer L. „Die Quantenwirklichkeit und die Philosophia Perennis. Part 1: Die physikalischen Grundlagen.“ Grenzgebiete der Wissenschaften, 6, 2011, in press.

Schäfer L. „Die Quantenwirklichkeit und die Philosophia Perennis. Part 2: Die Philosophia Perennis.“ Grenzgebiete der Wissenschaften, 6, 2011, in press.

Sears DWG. The thermoluminescence of meteorites: A brief 2009 perspective. Geochronometria (in press). 2011.

Sears DWG; Yozzo J; Ragland C. The natural thermoluminescence of Antarctic meteorites and their terrestrial ages and orbits: A 2010 update. Meteoritics and Planetary Science, Volume 46, Issue 1, pp. 79-91. 2011.

Craig JP; Sears DWG. Thermoluminescence as a technique for determining the nature and history of small particles. Geochronometria (in press).

Sivakumar FM-B; Lay JO Jr; Dolan MC; Condori J; Grubbs SK; Wright SM; Baque MA; Lee E-J; Paek KY. Bioprocess and bioreactor: Next generation technology for production of potential plant-based antidiabetic and antioxidant molecules. Current Medicinal Chemistry 18, 79-90, 2011.

Smeal J; Wilkins CL. Imaging Mass Spectrometry. Applied Spectr. Reviews, 46, (in press, 2011).

Duo J; Stenken JA. In vitro and in vivo affinity microdialysis sampling of cytokines using heparin-immobilized microspheres. Analytical and Bioanalytical Chemistry, 399, 783-793, 2011.

Duo J; Stenken JA. Heparin-immobilized microspheres for the capture of cytokines. Analytical and Bioanalytical Chemistry, 399, 773-782, 2011.

Mou X; Lennartz MR; Loegering DJ; Stenken JA. Modulation of the foreign body reaction for implants in the subcutaneous space: Microdialysis probes as localized drug delivery/sampling devices. Journal of Diabetes Science and Technology, Volume 5, Issue 3, pp. 619-631, May 2011.

Wisniewski NA; Klueh U; Stenken JA. Interstitial fluid physiology as it relates to glucose monitoring technologies: Symposium Introduction. Journal of Diabetes Science and Technology, Volume 5, Issue 3, pp. 579-582, May 2011.

von Grote EC; Venkatakrishnan V; Duo J; Stenken JA. Long-term subcutaneous microdialysis sampling and qRT-PCR of MCP-1, IL-6 and IL-10 in freely-moving rats. Molecular BioSystems, 7, 150-161, 2011 (on E pub since June 2010).

Vostrikov VV; Daily AE; Greathouse DV; Koeppe RE II. Charged or aromatic anchor residue dependence of transmembrane peptide tile. J. Biol. Chem. 285(4), 31723-30, 2010.

Weston MC; Hooten Nash CK; Fritsch, I. Redox-Magnetohydrodynamic Microfluidics without Channels and Compatible with Electrochemical Detection under Immunoassay Conditions. Anal. Chem. 82(17), 7068-7072, 2010.

Williams AL; Bhuiyan AA; Turner MO; Millett F; Durham B. Synthesis and Characterization of Cr(III), Mn(II), Co(II), Ni(II) and Cu(II) complexes with a hexadentate hemi-cage ligand formed with bipyridine. J. Coord. Chem. 64, 48-56, 2011.

Williams CR; Fritsch I. Automated Printing of Electrochemical Immunoassay Microarrays: Studies of Conditions Affecting Alkaline Phosphatase Enzyme Label Activity. ECS Transactions 2010, 28(21), 19-33.

Zheng N. Photoinduced cleavage of N-N bonds of aromatic hydrazines and hydrazides by visible light. Heterocycles of Synthesis, accepted 2011.

#### 4. Unrefereed Publications and Proceedings

Sakon J. Crystal structure of collagen binding domain from a collagenase was solved at 2.0 Å resolution (protein data bank code 3JQW).

Sakon J. Crystal structure of collagen binding domain from a collagenase was solved at 2.2 Å resolution (protein data bank code 3JQX).

Sakon J. Crystal structure of polycystic kidney disease domain from two different sources were solved at 1.4 Å resolution (protein data bank code 3JQU).

Sakon J. Crystal structure of polycystic kidney disease domain from two different sources were solved at 1.6 Å resolution (protein data bank code 3JS8).

R. Katikaneni, T. Ponnappakkam, E. Bradford, S. Pasala, O. Matsushita, J. Sakon, R. Gensure. A Novel Parathyroid Hormone Fusion Protein Causes Sustained Increases in Bone Mineral Density in Ovariectomized Rat after Monthly or Single Dosing. Poster presentation number MO0419 at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20. Abstract is published in Journal of Bone Mineral Research.

R. Katikaneni, T. Ponnappakkam, O. Matsushita, J. Sakon, R. Gensure. Prevention of Chemotherapy Induced Alopecia with a Novel Parathyroid Hormone Fusion Protein. Oral presentation number 1159 at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20. Abstract is published in Journal of Bone Mineral Research.

R. Gensure, S. Miyata, O. Matsushita, J. Sakon, K. Uchida, Y. Komatsu, H. Suda. Whole Body Autoradiography of a Fusion Protein [<sup>35</sup>S]hPTH-CBD in Mice. Poster presentation number SU0425 by J. Sakon at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20. Abstract is published in Journal of Bone Mineral Research.

Schäfer L (Commercial DVD): „Die Bedeutung der Quantenwirklichkeit für das Verständnis lebender Systeme“. Vortrag vom 27. April 2010, Universität Freiburg. [http://www.auditorium-netzwerk.de/Neuerscheinungen-2010/Neuerscheinungen-Juni:::6424\\_7246.html](http://www.auditorium-netzwerk.de/Neuerscheinungen-2010/Neuerscheinungen-Juni:::6424_7246.html), 2010.

Stites W. Co-wrote report on Soldier Resilience and Performance Enhancement for Army Science Board.

#### 3. Invited Lectures

Paul Adams

Characterization of the molecular details of RAS-related proteins that highlight their diverse roles in cell signaling activity. 4<sup>th</sup> Great Plains Annual Symposium on Protein and Biomolecular NMR (GRASP), The University of Kansas, Lawrence, Kansas, October 29-30, 2010.

Biophysical and Biochemical Approaches to Characterize Molecular Details of Abnormal Cell Signaling Function Involving Ras-Related Proteins. Wabash College, Crawfordsville, IN, February 17, 2011.

Ingrid Fritsch

Weston MC; Gerner MD; Hooten CK; Gonzales C; Kreidermacher AJ; Sahore V; Fritsch I; Isaac KM; Leventis N. Redox-magnetohydrodynamic microfluidics. Pacificchem 2010, Honolulu, December 15-20, 2010.

Sahore V; Nash CK; Weston MC; Gerner MD; Fritsch I. Toward ON-Chip Processes using Redox-Magnetohydrodynamic Microfluidics without Channels.” 219<sup>th</sup> Meeting of the Electrochemical Society, Montreal, Canada, May 1-6, 2011.

Colin Heyes

Connecting the macroscopic and microscopic optical properties of quantum dots for single-molecule biophysical applications. Gordon Conference on Single Molecule Approaches to Biology, Lucca (Barga), Italy, June 27-July 2, 2010.

Single molecule fluorescence techniques for biomedical research. Gordon Conference on Single Molecule Approaches to Biology, Lucca (Barga), Italy, June 27-July 2, 2010.

Connecting the ensemble and single-molecule optical properties of quantum dots for their use as quantitative fluorescence probes. 45<sup>th</sup> Midwest Region Meeting (MWRM) of the ACS, Wichita, KS, Oct 27-30, 2010.

Watching nanoparticles and biomolecules one molecule at a time: To the average and beyond... Northeastern State University, Sept. 1, 2010.

Watching nanoparticles and biomolecules one molecule at a time: To the average and beyond... Arkansas State University, Nov. 10, 2010.

Jim Hinton

Keynote Speaker and Session Chair on The Visualization of Protein Structures, 4<sup>th</sup> Annual Protein and Peptide Conference, Beijing, China, 2011.

3<sup>rd</sup> International Conference on Drug Discovery and Therapy, Dubai, UAE, 2011.

Roger Koeppe

Steps toward understanding the lipid interactions and dynamics of transmembrane domains. Texas Tech University, March, 2011.

TKS Kumar

Biochemistry of molecules that sustain life. Talk presented to NSF-REU students, University of Arkansas, Fayetteville, July 16, 2010.

Molecular Interactions Critical for the function(s) of the Acidic fibroblast growth factor. Annual Arkansas Bioscience Institute Meeting, Little Rock, AR, September 29, 2010.

Structure-function relationship of FGF. GRASP-NMR Conference, University of Kansas, Lawrence, KS, Oct. 26-27, 2010.

Jackson O. Lay, Jr.

Simple methods for complex problems in mass spectrometry. Washington University, St. Louis, MO, September 2010.

Matthias McIntosh

Studies in complex molecule synthesis. Gordon Research Conference on Organic Reactions and Processes, Smithfield, RI, July 20, 2010.

Synthesis of bioactive natural and unnatural products. UAMS College of Pharmacy, Little Rock, AR, September 3, 2010.

The Role of Organic Synthesis in Drug Discovery. University of Tulsa, Tulsa, OK, Nov. 15, 2010.

The Role of Organic Synthesis in Drug Discovery. Pittsburg State University, Pittsburg, KS, March 11, 2011.

Frank Millett

Design of Photoactive Ruthenium Complexes to Study Biological Electron Transfer. North Dakota State University, Fargo, ND, March 30, 2011.

Peter Pulay

Large-scale Coupled Cluster Calculations of the Interaction Energy between Aromatic Systems. Mesilla Workshop on Aromatic Interactions in Chemistry and Biology, Las Cruces, NM, February 6-9, 2011. Paper is co-authored with T. Janowski

Alternative Basis Sets for High Accuracy ab initio Calculations. Southwest Theoretical Chemistry Association meeting, Starkville, MS, May 13-14, 2011. Paper is co-authored with G. Magyarfalvi.

Plane Wave Basis Sets for High Accuracy ab initio Calculations. Mathematical Methods in Quantum Chemistry workshop, Matchemathical Research Institute Oberwolfen, Germany, June 26-July 1.

Lothar Schafer

Lecture on "Quantum Reality," COSIGN Student organization, UoA Fayetteville, October 18, 2010.

Julie Stenken

In vivo microdialysis sampling of cytokines combined with qRT-PCR expression validation. Presented at the 13<sup>th</sup> In Vivo Methods Meeting, Monitoring Molecules in Neuroscience, Brussels, Belgium, September 2010.

In vivo microdialysis in subcutaneous space and brain in rats. Experimental Biology 2011 Meeting, Washington D.C., April 9, 2011.

Charles Wilkins

The use of combined ASAP-ion mobility-MS/MS experiments for the characterization of complex mixtures. Presented at Waters, LLC, (Manchester, United Kingdom), November 5, 2010.

Nan Zheng

Development of catalytic methods for C-N bond formation. Missouri State University, Springfield, MO, October 20, 2010.

Development of catalytic methods for C-N bond formation. University of Central Arkansas, Conway, AR, October 26, 2010.

#### 5. Other Lectures, Papers and Oral Presentations

Adams PD. Characterization of Molecular Details of RAS-related Proteins that Highlight their Diverse Roles in Cell Signaling Activity. GRASP NMR Meeting, Kansas University, Oct. 29-30, 2010.

Adams PD; Kathir KM; Rajalingam D; Koteswara A; Kumar TKS. A method for the prevention of thrombin-induced degradation of recombinant proteins. Presented as poster at the 24th Annual Symposium of the Protein Society held in San Diego, CA, August 1-5, 2010.

Aggarwal A; Fritsch I. Microelectrode array for dopamine detection through redox cycling. An in vitro study. 13th International Conference on In Vivo Methods, Brussels, Belgium, September 12-16, 2010.

Aggarwal A; Stenken JA. Microelectrode Array for Dopamine Detection through Redox Cycling. An in Vitro Study. Monitoring Molecules in Neuroscience-13th International Conference on In Vivo Methods, Brussels, Belgium, Sept., 12-16, 2010.

Akhmetova E; Wilkins CL. Gas phase reactions for optimized 9.4 T Fourier transform mass spectra of [6,6]-phenyl C61-butyric acid methyl ester. American Society for Mass Spectrometry meeting, Denver, CO, June 5-9, 2011.

Aldana JF; Heyes CD. Tailoring the synthesis of CdTe quantum dots for fluorescence imaging applications. 3rd Conference for Nanotechnology in Healthcare, Winthrop Rockefeller Institute, Petit Jean, AR, April 6-9, 2011.

Alwarsh S; McIntosh M. Toward solutions to the problem of controlling E-O-enolate geometry of lactate esters. Pacificchem, Honolulu, HI, Dec. 18, 2010.

Ayinuola K; Dormi S; Rivero-Castro J; McIntosh M. Novel N-based rearrangements. 42nd National Organic Symposium, Princeton University, June 5-9, 2011.

Beng TK; Gawley R. Highly enantioselective synthesis of 2-substituted piperidines by catalytic dynamic resolution of N-Boc-2-lithiopiperidine. Gordon Research Conference on Stereochemistry, Rhode Island, August 1-6, 2010.

Beng TK; Gawley R. Kinetics of enantiomerization and resolution of N-Boc-2-lithiopiperidine. Pacificchem, Honolulu, HI, December 2010.

Beng TK; Gawley R. Catalytic dynamic Resolution of Chiral Organolithiums. Pacificchem, Honolulu, HI, December 15-20, 2010.

Romo TD; Grossfield A; Bradney L; Greathouse DV. Acylated lactoferricin peptides using solid state NMR and all-atom molecular dynamics simulations. *Biophys. J.* (98):92a, 2010.

Brown JD; Greathouse DV. Development of biocelles containing anionic lipids to characterize cationic membrane active peptides by NMR spectroscopy. *Biophys. J.* (98):92a, 2010.

Burkett GE; McClellan N; Rajalingam D; Daily AE; Kumar TKS; Greathouse DV. Binding of antimicrobial lactoferricin peptides to targets in the antiangiogenesis pathway. *Biophys. J.* (92):41a, 2010.

Chandrashekar R; Adams PD. Characterization of Cdc42 vs. Cdc42(T35A) in the Switch Region. 2011 Annual Biophysical Society Meeting, Baltimore, MD.

Chen F; Tian ZR et. al. Bioceramic nanobelt's intercalation, charge-transfer, pH-buffering, and biocompatibility. ACS Midwest Regional Meeting, Wichita, KS, Oct 27-30, 2010.

Chen F; Fologea D; Tian ZR; Ali S; Sharma H; Epstein J. Tuning Interfacial Nanochemistry in 3D for Translational Nanomedicine. Nanotechnology and Health Care Conference, Winthrop Rockefeller Institute, April 6-9, 2011.

Chen J. Polymer-Covered Nanocages for Drug Delivery. Nanotechnology and Health Care Conference, Winthrop Rockefeller Institute, April 6-9, 2011.

Clay D; McIntosh MC. Toward the asymmetric total synthesis of antascomycin B via an asymmetric transfer hydrogenation, an Ireland-Claisen (ICR), and an allylic diazene (ADR) rearrangement sequence. 240th ACS National Meeting, Boston, MA, August 22-26, 2010.

Clements M; Zheng N. A Catalytic Method for the Preparation of 2,3-Disubstituted Indoles. Gordon Research Conference, June 2010.

Courtney JM; Vostrikov VV; Hinton JF; Koeppel RE II. Comparison of Proline Substitutions at Positions 8 and 10 in WALP19. *Biophys. J.* 100(3) pp. 636a.

Craig JP; Sears DWG. New Insight into the Fine Scale Properties of Antarctic Micrometeorites from Thermo-luminescence Analysis. Lunar and Planetary Science Conference in The Woodlands, Houston, TX, March 1-8, 2011.

Daily AE; Kumar TKS. Defining the interactions between S100A13 and Annexin I peptide – Insight into the non-classical secretion. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Dehbozorgi A; Jones A; Daily AE; Padilla C; McNabb D; Kumar TKS. Stabilizing and destabilizing mutations of FGF. REU/INBRE/HHMI symposium, University of Arkansas, Fayetteville, AR, July 22, 2010.

Durand K; Greathouse DV. Solid phase synthesis and characterization of antimicrobial lactoferricin peptides. Arkansas INBRE Research Conference, Fayetteville, AR, October 15-16, 2010.

DuVall CD; Vostrikov VV; Greathouse DV; Koeppel RE II. Influence of Glycine Substitutions on Designed Proline-Containing Transmembrane Peptides. *Biophys. J.* 100(3) pp. 636a, 2011.

Emerson B; Giddden J; Lay JO, Jr; Durham B. Analysis of a JWH-018 Metabolite in urine samples after consumption of a 'Spice' herbal product using solid-phase extraction and GC/MS. 39th Annual meeting of the Midwestern Association of Forensic Scientists, Kansas City, MO, Oct. 2010.

Espinal Cabrera RF; Stenken JA. Theoretical and experimental comparison of cytokine pre-concentration using heparin functionalized microspheres for microfluidic systems applications: Proof of principle. Presented at the Lab on a Chip World Congress, San Diego, CA, October 2010.

Francis A; Greathouse DV. Membrane interactions of Antimicrobial Retro-Lactoferricin Peptides by solid state NMR and partitioning assays. *Biophys. J.* (100):3, 511-512a, 2011.

Fritsch I. Toward on-chip processes using redox-magnetohydrodynamic microfluidics without channels. Symposium honoring the late W. Ves Childs, 219th meeting of the Electrochemical Society, Montreal, Canada, May 1-6, 2011.

Froyd-Rankenber JM; Greathouse DV; Koepp RE. Influence of WALP peptides on phase behavior of cholesterol containing ternary lipid mixtures. *Biophys. J.* (98):91a, 2010.

Gawley R. Catalytic dynamic resolution of chiral organolithiums. *Pacificchem*, December 2010.

Gleason NJ; Greathouse DV; Koepp RE II. Using Tyrosine to Anchor a Transmembrane Peptide. *Biophys. J.* 100(3) pp. 635a – 636a, 2011.

Gleason N; Millett F. Variable appearance of backbone C $\alpha$ -deuteron signals in solid-state NMR spectra of designed membrane-spanning peptides. GRASP NMR Meeting, Kansas University, Oct. 29-30, 2010.

Greathouse DV; Romo TD; Grossfield A. Characterization of chain order of an acylated-lactoferricin peptide by solid-state NMR spectroscopy and all-atom molecular dynamics simulations. *Biophys. J.* (100):3, 638a, 2011.

Romo T; Greathouse DV; Grossfield A. Lactoferricin Peptides Characterized using All-Atom molecular Dynamics Simulations and Solid State NMR. *Biophys. J.* (100):3, 512a, 2011.

Hall L; Rutherford L; Kumar TKS. The conformational and functional role of proline in human fibroblast growth factor-1. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Hall L; Rutherford L; Kumar TKS. The conformational and functional role of proline in human fibroblast growth factor-1. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Haydar A; Kerr R; Kumar TKS. Rational Design of human fibroblast growth factor with enhanced stability. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.

Henderson R; Daily AE; Kumar TKS. Determination of the backbone dynamics of the C2A domain of synaptotagmin. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Henson H; Thurman R; Kumar TKS. The structural and functional role of the sole tryptophan residue in the human acidic fibroblast growth factor. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.

Herbaugh A; Stenken JA. Development of in vivo antibody-enhanced microdialysis collection of CCL2 from rat brain. Presented at the 13th In Vivo Methods Meeting, Monitoring Molecules in Neuroscience, Brussels, Belgium, September 2010.



Heyes C. Connecting the Macroscopic and Microscopic Optical Properties of Quantum Dots for Single-Molecule Biophysical Applications. Gordon Research Conference, June 27-July 2, 2010.

Heyes CD. Understanding the Chemistry and Physics of Biofunctional Quantum Dots at the Ensemble and Single Molecule Level: Implications for Biomedical Research. 3rd Conference for Nanotechnology in Healthcare. Winthrop Rockefeller Institute, Petit Jean, AR, April 6-9, 2011.

Durisie N; Claudia CM; Starc T; Godin AG; Dent JA; Heyes CD. In Vivo determination of arrangement of subunits in pentameric glutamate neuroreceptors using FRET and polarization anisotropy decay imaging. Biophysical Meeting, Baltimore, MD, March 5-9, 2011.

Hubbard A; Gawley R. Design and synthesis of novel chiral N-heterocyclic carbene precursors. Pacificchem, Honolulu, HI, December 2010.

Janowski T; Pulay P. Efficient calculation of the perturbational triples (T) contributions in coupled cluster theory: Application to graphene sheets, ICCMSE 2010: Methods in Quantum Chemistry, A symposium in honor of J Cizek and J Paldus, Kos, Greece, October 4-7, 2010.

Janowski T; Pulay P. Generalized multipole moments and polarizabilities, and their use in ultrafast quantum mechanics/molecular mechanics Monte Carlo simulation of solutions. 2011 Southeast Theoretical Chemistry Associate (SETCA) annual meeting, Mississippi State University, Mississippi State, MS, May 13-15, 2011.

Jayanthi S; Kumar TKS. Development of new protein affinity tags for purification of recombinant proteins. GRASP NMR Meeting, Lawrence, KS, Oct 27-28, 2010.

Jayanthi S; Kumar TKS. A structure based design of a novel affinity tag for purification of recombinant proteins. GRASP NMR Meeting, Kansas University, Oct. 29-30, 2010.

Jayanthi S; Kumar TKS. A structure based design of a novel affinity tag for purification of recombinant proteins. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.

Jenkins SV; Reynolds K; Chen J. Engineering Magnetic-Gold Nanostructures for Controlled Drug Delivery. Nanotechnology and Health Care Conference, Winthrop Rockefeller Institute, April 6-9, 2011.

Johannsen S; Adams PD. Synthesis of a 15-amino acid GTPase-Binding Region of Tuberous Sclerosis 2 to Study its Interaction with the Ras GTPase Rheb. 2011 Annual Biophysical Society Meeting, Baltimore, MD.

Kerr R; Webb N; Kumar TKS. The role of heparin in fibroblast growth factor signaling. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Koeppel RE II. Information from backbone signals in solid-state NMR spectra of deuterated alanines in oriented transmembrane peptides. ABI Fall Research Symposium, Little Rock, AR, Sept 29, 2010.

Koeppel RE II; Froyd-Rankenbergh JM; Vostrikov VV; DuVall CD; Greathouse DV; DuVall CV; Opella SJ. A Proline Kink in GWALP23. Biophys. J. 199(3) pp. 525a, 2011.

Lundbæk JA; Koeppel RE II; Andersen OS. Amphiphile regulation of ion channel function by changes in the bilayer spring constant. Proc. Natl. Acad. Sci. USA, 107, 15427-15430, 2010.

Al'Aref SJ; Sanford RL; Koeppel RE II; Andersen OS. Statins Modify Bilayer Mechanical Properties. Biophys. J. 100(3) pp. 500a, 2011.

Kapoor R; Ingolfsson HI; Koeppe RE II; Andersen OS. Antidepressants Modify Lipid Bilayer Properties. Biophys. J. 100(3) pp. 500a, 2011.

Lum K; Ingolfsson HI; Koeppe RE II; Andersen OS. Exchange of Gramicidin between Lipid Bilayers: Implications for the Mechanisms of Channel Formation and Gating. Biophys. J. 100(3) pp. 501a, 2011.

Sanford RL; Al'Aref SJ; Koeppe RE II; Andersen OS. Fenamates Alter Bilayer Properties. Biophys. J. 100(3) pp. 500a, 2011.

Kumar TKS. Molecular Interactions critical for the function(s) of the acidic fibroblast growth factor. ABI Fall Research Symposium, Little Rock, AR, Sept. 29, 2010.

Kumar TKS. Structure-Function Relationship of Fibroblast Growth Factors. GRASP NMR Meeting, Kansas University, Oct. 29-30, 2010.

Langston R; Daily AE; Padilla C; McNabb D; Kumar TKS. Design and characterization of a novel heparin binding peptide. REU/INBRE/HHMI symposium, University of Arkansas, Fayetteville, AR, July 22, 2010.

Langston R; Daily AE; Padilla C; McNabb D; Kumar TKS. Design and characterization of a novel heparin binding peptide. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Lewis NE; Marty NF; Kathir KM; Rajalingam D; Kight AD; Daily AE; Kumar TKS; Henry RL; Goforth R. A dynamic cpSRP43-Albino3 interaction regulates cpARP targeting. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Loeschel CM; Allison NT. Carbenes by elimination of  $\alpha$ -halosilanes under mild conditions; Abstracts of Papers, 240th ACS National Meeting, Boston, MA, United States, August 22-26, 2010, INOR-413.

Martfeld A; Erstine E; Daily AE; Kumar TKS. The monomerization of a dimeric, calcium binding protein involved in the non-classical export of fibroblast growth factor 1. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Martfeld A; Daily AE; Kumar TKS. Design of a novel S100A13 monomer. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

McIntosh M. Novel N-Based Rearrangements. Accelerating Reaction Discovery, Telluride, CO, June 20-23, 2011.

McIntosh M. Toward a scalable asymmetric synthesis of (4R,5S,6R)-Trihydroxycyclohexen-2-one. Gordon Research Conference on Organic Reactions and Processes, Bryant University, Smithfield, RI, July 18-23, 2010.

McIntosh M. Studies in Complex Molecule Synthesis. Gordon Research Conference on Organic Reactions and Processes, Bryant University, Smithfield, RI, July 18-23, 2010.

McIntosh M. Synthetic studies toward bioactive molecules. ABI Fall Research Symposium, Little Rock, AR, September 29, 2010.

McIntosh, M. Synthetic studies toward antascomycin B. Pacificchem, Honolulu, HI, December 16, 2010.

Moore R; Jayanthi S; Kumar TKS. Examining the structural stability of C2B domain of synaptotagmin using multi-dimensional NMR spectroscopy. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.



Muruganantham S, Liyanage R; Lay JO Jr; Stenken JA. Towards visualizing the spatial expression of matrix metalloproteinases (MMPs) activity during the foreign body response (FBR) using MALDI imaging MS. American Society for Mass Spectrometry meeting, Denver, CO, June 5-9, 2011.

Ostrowski DR; Sears DWG. Comparison of Spherules of Heated Phyllosilicate-Evaporite Mixtures to Spherules in CI and CR Chondrites. Lunar and Planetary Science Conference in The Woodlands, Houston, TX, March 1-8, 2011.

Sissay A; Ostrowski D; Gietzen KM; Sears DWG. Near-IR Reflectance Spectral Properties and Metamorphic History of Unequilibrated (Type 3) Ordinary Chondrites. Lunar and Planetary Science Conference in The Woodlands, Houston, TX, March 1-8, 2011.

Matsushita O et. al; Wilson JJ; Philominathan STL; Sakon J. Medical applications of collagen binding domain from gas gangrene causing collagenase. 57th Toxin Symposium, Nagahama-shi, Japan, July 14-16, 2010.

Pickhardt M; Jayanthi S; Kumar TKS. Purification and characterization of recombinant L23. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.

Burkett GE; McClellan N; Rajalingam D; Daily AE; Kumar TKS; Greathouse DV. Binding of antimicrobial lactoferricin peptides to targets in the antiangiogenesis pathway. Biophys. J. (92):41a, 2010.

Rajan A; Suresh Kumar G; Padilla CS; Daily AE; Kumar TKS; McNabb D. Monitoring the cell proliferation activity of fibroblast growth factor and suramin. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Rasaputra KS; Rath NC; Liyanage R; Lay JO Jr. Identification of serum biomarkers in poultry with leg problems. ASDA-PSA-AMPA-CSAS-ASAS Joint Meeting, Denver, CO, July 2010.

Rasaputra KS; Liyanage R; Lay JO Jr; Rath NC. Identification of serum biomarkers in poultry with leg problems. Summer Symposium organized by Poultry Science Graduate Student Association, University of Arkansas, Fayetteville, AR, July 2010.

Rasaputra KS; Liyanage R; Lay JO Jr; Okimoto R; Rath NC. Serum peptide changes in chickens with metabolic skeletal problems associated with lameness. 5th BioNanoTox International Society Conference, Little Rock, AR, November 2010.

Rasaputra KS; Liyanage R; Lay JO Jr; Slavid MF; Rath NC. Proteomic change in growth plate chondrocyte culture treated with thiram. 5th BioNanoTox International Society Conferences, Little Rock, AR, November 2010.

Rutherford L; Kumar TKS. Characterization of the minimalistic FGF-D2 domain interface. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Rutherford L; Kumar TKS. Characterization of the minimalistic FGF-D2 domain interface. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Gensure R; Miyata S; Matsushita O; Sakon J; Uchida K; Komatsu Y; Suda H. Whole body autoradiography of a fusion protein [35S]hPTH-CBD in mice. Poster presentation number SU0425 at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20, 2010.

Katikaneni R; Ponnappakkam T; Matsushita O; Sakon J; Gensure R. Prevention of chemotherapy induced alopecia with a novel parathyroid hormone fusion protein. Oral presentation number 1159 at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20, 2010.

Katikaneni R; Ponnappakkam T; Bradford E; Pasala S; Matsushita O; Sakon J; Gensure R. A novel parathyroid hormone fusion protein causes sustained increases in bone mineral density in ovariectomized rat after monthly or single dosing. Poster presentation number MO0419 at American Society for Bone and Mineral Research, Toronto, Canada, October 14-20, 2010.

Salem O; Liu H; Krizova H; McFeeters R; Adams P. Characterization of a Switch I Mutant of the Ras protein Cdc42. 2010 Annual Protein Society Meeting, San Diego, CA.

Salem O; Liu H; Krizova H; McFeeters R; Adams P. Characterization of a Switch I Mutant of the Ras protein Cdc42. ABI Fall Research Symposium, Little Rock, AR, Sept. 29, 2010.

Sears DWG. The case for many or most unequilibrated ordinary chondrites not coming from the same parent bodies as equilibrated ordinary chondrites. 73rd Annual Meeting of the Meteoritical Society, New York, NY, July 2010.

Sears DWG. The fine-scale cosmogenic history of the semarkona unequilibrated ordinary chondrite. 73rd Annual Meeting of the Meteoritical Society, New York, NY, July 2010.

Cristarella TC, Sears DWG. Classifying Chondrules based on Cathodoluminescence. Lunar and Planetary Science Conference in The Woodlands, Houston, TX, March 1-8, 2011.

Welivitiya WDDP; Sears DWG. Analysis of Visual Reflectance Spectra of “hungaria” Family of Asteroids. Lunar and Planetary Science Conference in The Woodlands, Houston, TX, March 1-8, 2011.

Stenken JA. In vivo detection of peptides and proteins. ABI Fall Research Symposium, Little Rock, AR, Sept. 29, 2010.

Stenken JA. In Vivo Microdialysis Sampling of Cytokines Combined with qRT-PCR Expression Validation. Monitoring Molecules in Neuroscience-13th International Conference on In Vivo Methods, Brussels, Belgium, Sept., 12-16, 2010.

Suresh Kumar G; Padilla C; Daily AE; Kumar TKS; McNabb D. Effects of the heparin binding peptide on the cell proliferation activity of the human fibroblast growth factor. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Suresh Kumar G; Rajan A; Padilla C; Daily AE; Kumar TKS; McNabb D. Monitoring the cell proliferation activity of fibroblast growth factor. REU/INBRE/HHMI symposium, University of Arkansas, Fayetteville, AR, July 22, 2010.

Takeuchi H; Walters D; Heyes CD. Binding and exchange of thiols to water-soluble quantum dots monitored by ensemble and single particle spectroscopy. 3rd Conference for Nanotechnology in Healthcare. Winthrop Rockefeller Institute, Petit Jean, AR, April 6-9, 2011.

Tchakalian D; Daily AE; Padilla C; McNabb D; Kumar TKS. Cloning and overexpression of the full length fibroblast growth factor receptor. REU/INBRE/HHMI symposium, University of Arkansas, Fayetteville, AR, July 22, 2010.

Thurman R; Kumar TKS. Characterization of the FGF receptor mutations involved in disease. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Thurman R; Kumar TKS. Characterization of the FGF receptor mutations involved in disease. GRASP NMR Meeting, Lawrence, KS, Oct 27-28, 2010.

Tian ZR. Multifunctional Nanostructures for future biomedical applications. Sundia, Ltd, Shanghai, China, July 1, 2010.

Tian ZR. Nanomaterials for nanomedicine. Shanghai Biosci. Instit., CAS, Shanghai, China, July 3, 2010.

Tian ZR. Long-unmet challenges in basic nanomaterials science, Shanghai Ocean University, Shanghai, China, July 5, 2010.

Tingquist N; Daily AE; Kumar TKS. Design of a duet expression vector to characterize ligand-receptor interactions. 55th Annual Biophysical Society meeting, Baltimore, MD, March 5-9, 2011.

Vanderbush NL; St. Clair B; Davis M; Davis D. Expression and characterization of cytochrome C6 from chlamydomonas Reinhardtii using a designer gene. Biophysical Society Meeting, Baltimore, MD, March 5-9, 2011.

Vo D; Rajalingam D; Kumar TKS. Understanding the structure and stability of FGF-1 in a cellular environment using NMR spectroscopy. 24th Annual Protein Society Symposium, San Diego, CA, August 1-5, 2010.

Vo D; Rajalingam D; Kumar TKS. Understanding the structure and stability of FGF-1 in a cellular environment using NMR spectroscopy. INBRE Conference, University of Arkansas, Fayetteville, AR, Oct 15-16, 2010.

Vostrikov VV. Application of Transmembrane Peptides to Investigation of Protein-Lipid Interactions. GRASP NMR Meeting, Kansas University, Oct. 29-30, 2010.

Vostrikov VV; Grant CV; Opella SJ; Koeppe RE II. On the Treatment of Dynamics During Combined 2H GALA and 15N/1H PISEMA Analysis of Transmembrane Peptide Tilt using Solid-State NMR Data. Biophys. J. 100(3) pp. 638a, 2011.

Vostrikov VV; Daily AE; Greathouse DV; Koeppe RE II. Charged and aromatic anchoring amino acids affect the orientation of transmembrane peptides: a deuterium NMR study. Biophys J. (98):91a, 2010.

Wilkins CL. Applications of ASAP and EESI ionization approaches coupled with travelling wave ion mobility mass spectrometry. American Society for Mass Spectrometry meeting, Denver, CO, June 5-9, 2011.

Wilkins CL. New structural insights into a novel geometry polymeric system by use of shape-selective MS studies. American Society for Mass Spectrometry meeting, Denver, CO, June 5-9, 2011.

## COMMUNICATION

### 1. Books

Cavallero, J. (in press). *Hollywood's Italian American Filmmakers: Capra, Scorsese, Savoca, Coppola, and Tarantino*. University of Illinois Press.

Dickson, F., & Webb, L. M. (Eds.). (in press). *Communication for families in crisis: Theories, methods, strategies*. New York: Peter Lang Press.

Query, J. L., Amason, P. & Golden, M. (in press). *Traversing health care paths*. Thousand Oaks, CA: Sage.

Scheide, F. M. & Mehran, H., Eds. (in press). *The Chaplin persona: Invention, evolution, and imitation*. Jefferson, North Carolina: McFarland.

Schulte, S. R. (in press) *State Technology to State of Being: The Making of the Internet in Global Culture*. New York University Press.

Wright, K. B., & Webb, L. M. (Eds.). (2010). *Computer mediated communication in personal relationships*. New York: Peter Lang Press.

## 2. Book Chapters

Allen, M. W., Edwards, R., Hayhoe, C., & Leach, L. (in press). *College students' imagined interactions with parents about spending and credit: The influence of attitudes toward money and family communication patterns*. In J. Honeycutt (Ed.), *Imagine that: Studies in imagined interaction*. Hampton Press.

Amason, P., Wilson M. L., & Rusinowski, J. (in press). *Uncertainty reduction, support and coping: Family communication and the crisis of infertility*. In L. M. Webb & F. Dickson (Eds.), *Families in crisis: Effective communication for managing unexpected, negative events*. New York: Peter Lang Publishing.

Amason, P., Webb, L. M., & Agee, P. K. (in press) *College students' descriptions of conflicts during safer sex talk: Managing challenging, intimate conversations*. In M.U. D'Silva, J. L. Hart, & K. L. Walker, Eds. *Communicating about HIV/AIDS: Taboo topics and difficult conversations*. New York: Peter Lang Publishing.

Amason, P., Horvath, M., & Smith, C. L. (in press). *Physicians' views of interpersonal communication in their medical practices: Problems associated with preparedness in relating to cultural differences and the delivery of bad news*. In R. Ahmed & B. Bates (Eds.), *Health communication in clinical contexts*.

Amason, P. & Webb, L. M. (in press). *My parents taught me how: Talking with sexual partners about safe sex*. In Margaret D'Silva, Joy L. Hart and Kandi L. Walker (Eds.), *Communicating about HIV/AIDS: Taboo topics and difficult conversations*. Hampton Press (final revisions completed in 2010).

Amason, P., Wilson, M. L., & Rusinowski, J. (in press). *Communication and management of the family crisis of Infertility*. In L. M. Webb & F. Dickson (Eds.), *Communication and Family Crisis*. Peter Lang.

Boupha, S., Grisso, A. D., Morris, J., Webb, L. M., & Zakeri, M. (in press). *Ethnic identity: How college students display it on Facebook.com*. In R. A. Lind, Ed., *Race/Gender/ Media: Considering diversity across audiences, content, and producers* (3rd ed.). Under contract with AB-Longman Publishing.

Cavallero, J. (in press). "Playing Good Italian/Bad Italian in ABC's *The Untouchables*." Mafia Movies: A Reader. Ed., Dana Renga. Toronto: University of Toronto Press.

Cavallero, J. (in press). "Race and Ethnicity in Martin Scorsese's *The Blues* and *Boardwalk Empire*." Martin Scorsese. Ed., Aaron Baker. New York: Routledge.

Johnson, K. B., & Webb, L. M., (in press). *Death of a child: Mothers' accounts of their interactions with their surviving children*. In F. Dickson & L. M. Webb, Eds., *Communication for families in crisis: Theories, methods, strategies*. New York: Peter Lang Publishing.

Pennington, D. C., & Webb, L. M., in press. *Decision making in dual-career couples: A replication and extension*. In S. Marrow & D. Leoutsakas, Eds., *More than blood: Today's reality and tomorrow's vision of family*. Kendall Hunt Publishing.

Rosteck, T. & Frentz, T., “*Fahrenheit 9/11* and Rhetorical Narration: Recovering Moral Advocacy in Michael Moore’s Political Documentaries,” in *Agit-Docs: Michael Moore and the Rhetoric of Documentary*, eds. Thomas Benson and Brian Snee, Carbondale: Southern Illinois Press.

Rosteck, T. (in press). Bowling for Columbine: Committed documentary in the age of entertainment. In M. S. Bernstein (Ed.), *Michael Moore: Filmmaker, newsmaker, cultural icon*. Ann Arbor: University of Michigan Press.

Rosteck, T. (in press). Giving voice to a movement: Mill’s ‘Letter to the new left’ and the potential of history. In S. M. Stevens and P. Malesh (Eds.), *Active voices: Composing a rhetoric of social movements*. State University of New York Press.

Sanders, W. Scott & Amason, Patricia (2010). Communication competence and apprehension during CMC. In K. B. Wright & L. M. Webb, (Eds.), *Computer-mediated communication in personal relationships* (pp. 79-97). New York: Peter Lang.

Scheide, F. M. (in press), “Frederick Jackson Turner’s “Frontier Thesis” and *Avatar* (2009): A 21<sup>st</sup> Century Internalization of a 19<sup>th</sup> Century American Myth”, *The International Journal of the Arts in Society*. (Refereed) (In Press).

Scheide, F. M., (in press). “Frederick Jackson Turner’s “Frontier Thesis” and *Avatar* (2009): A 21<sup>st</sup> Century Internalization of a 19<sup>th</sup> Century American Myth”, *The International Journal of the Arts in Society*. (Refereed) (In Press).

Scheide, F.M., (in press). “The Mark of the Ridiculous and Silent Celluloid: Some Trends in International Film Comedy from 1895-1929”, opening book chapter, *The Blackwell Companion to Film Comedy*, John Wiley Publishers, edited by Andrew Horton & Joanna Rapf.

*Scheide, F. M. (in press). The mark of the ridiculous and silent celluloid: Some trends in international film comedy. In A. Horton & j. Rapf (Eds.), The Blackwell companion to film comedy.*

Schulte, S. R. (2011). “Cutting the Cord and ‘Crying Socialist Wolf’: Unwiring the Public and Producing the Third Place.” In *The Long History of New Media: Technology, Historiography, and Newness in Context* (Peter Lang Publishing), editors: David Park, Steve Jones, and Nicholas Jankowski.

Thompson-Hayes, M., Gibson, D. M., Webb, L. M., Nelson, L., Smith, M. M., & Walker, A. M. (in press). College students’ perceptions of fictional television families: Perceived realism and potential for emulation. *Kentucky Journal of Communication*.

Toller, P. W., & Webb, L. M.,(in press). Communicative coping with ambiguous death: The search for answers, consolation, acceptance. In E. D. Miller, Ed., *Stories of complicated grief: A critical anthology*. National Association of Social Workers Press.

Webb, L. M. (in press). Compliance-gaining strategies for HIV/AIDS Talk: College students’ suggestions for initiating conversations with potential sex partners, in press. In M. U. D’Silva, J. L. Hart, & K. L. Walker (University of Louisville), Eds., *Communicating about HIV/AIDS: Taboo topics and difficult conversations*, New York: Peter Lang Publishing.

Webb, L. M., Chang, H. C., Hayes, M. T., Smith, M. M., & Gibson, D. M., (in press). How fans make sense of *Mad Men*: An analysis of commentary from online fan websites. In J. C. Dunn, J. Manning, & D. Stern, Eds. *Critical perspectives on Mad Men*. Syracuse University Press.

Webb, L. M. & Dickson, F. C. (in press). Families in crisis: Effective communication for managing unexpected, negative events. In F. C. Dickson & L. M. Webb, Eds., *Communication for families in crisis: Theories, methods, strategies*. New York: Peter Lang Publishing.



Webb, L. M., Fields, T. E., Boupfa, S., & Stell, M. N., in press. U. S. political blogs: What channel characteristics contribute to popularity? In T. Dumova & R. Fiordo, Eds., *Blogging in the global society: Cultural, political, and geographic aspects*. IGI Global Publishers.

Webb, L. M., Hans, M. L., Lee, B. D. S., & Tinker, K. A. (2010). Males versus female and then gender-bending: How the sex of the sender/receiver informs, confuses, and hinders computer-mediated communication. In K. B. Wright & L. M. Webb, Eds., *Computer mediated communication in personal relationships*. New York: Peter Lang Publishing.

Webb, L. M., & Lee, B. S., (2011). Mommy blogs: The centrality of community in the performance of online maternity. In M. Moravec, Ed., *Motherhood online: How online communities shape modern motherhood* (pp. 244-257). Newcastle upon Tyne, UK: Cambridge Scholars Publishing.

Webb, L. M., Wilson, M. L., Hodges, M., Smith, P. A., & Zakeri, M., (in press). Facebook.com: How college students work it. In H. S. Noor Al-Deen & J. A. Hendricks (Eds.), *Social media: Usage and impact*. Lexington Books.

### 3. Journal Articles

Allen, M. W., Walker, K. L., & Brady R. (in press). Sustainability discourse within a supply chain relationships: Mapping divergence and convergence. *Journal of Business Communication*.

Reid, M. F., Allen, M. W., Armstrong, D. J., & Riemenschneider, C. K. (2010). Perspectives of challenges facing women in IS: The cognitive gender gap. European Journal of Information Systems, 19, 526-539.

Riemenschneider, C., Allen, M. W., Armstrong, D. J., & Reid, M. F. (2010). Potential absorptive capacity of state IT departments: A comparison of perceptions of CIOs and IT managers. Journal of Organizational Computing and Electronic Commerce, 20, 1, 68-90.

Frentz, T. S. (in press). "Kendall R. Phillips, controversial cinema: The films that outraged America, *Southern Communication Journal*.

Cavallero, J. (2010). Forbidden. *Quarterly Review of Film and Video*, 29(5), 399-401.

Corrigan, L. M. (in press). After the revolution: Cuban women's healing practices and knowledge spaces. *Advances in the History of Rhetoric*.

Corrigan, L. M. (in press). Writing Resistance and Heroism: Guerilla Strategies from Castro's Gulag. *Communication Quarterly*.

Cavallero, J. (2010). Hitchcock and Race: Is the Wrong Man a White Man? *Journal of Film and Video*, 62(4), 3-14.

Frentz, T. S., (2011). Creative Metaphors, Synchronicity, and Quantum Physics, *Philosophy and Rhetoric*. 44/2: 101-128.

Frentz, T. S. & Hocker, J. (2010). Layered Reflections on a Written Story through Real Time Conversations, *Qualitative Inquiry*. 16/5, 621-629.

Gunn, J. & Frentz, T. S. (2010). Fighting for Father: *Fight Club* as Cinematic Psychosis." *Western Journal of Communication*. 74/3: 269-291.

Riemenschneider, C., Allen, M. W., Armstrong, D. J., & Reid, M. (in press). Potential absorptive capacity of state IT departments: A comparison of perceptions of CIOs and IT managers. *Journal of Organizational Computing and Electronic Commerce*.

Schulte, S. R. (in press). Surfing feminisms fourth wave: Gender and social networks. *Feminist Studies*.

Veden, M.L., Edgerly, L. & Toft, A. (in press): Social movements, political goals and the 2006 Day Without an Immigrant marches: Communicating protest in polysemic media environments. , *International Press and Politics*

Warren, R. & Wicks, R. H. (2011). Political socialization: Modeling teen political and civic engagement. *Journalism and Mass Communication Quarterly*, (88), 156 –175.

Wicks, R. H., Mertensmeyer, A., Blackburn, G., & Fields, T. (2011). Tracking the blogs: An evaluation of attacks, acclaims and rebuttals presented on political blogs during the 2008 Presidential election. *American Behavioral Scientist*, (5), 667 – 682.

Warren, R. & Wicks, R. (in press). Political socialization: Modeling teen political and civic engagement. *Journalism and Mass Communication Quarterly*.

#### 4. Other Publications

Amason, P. (in press). Gender schema theory. In M. Kusot (Ed.), *Encyclopedia of Gender and Media*. Thousand Oaks, CA: Sage.

Amason, P. (in press). Social construction of gender: Socialization. In M. Kusot (Ed.), *Encyclopedia of Gender and Media*. Thousand Oaks, CA: Sage.

Cavallero, J. (2011). Review of the novel *The Abyss of Human Illusion* by Gilbert Sorrentino *Italian Americana*, 29(1), 124-25.

Cavallero, J. (2010). Review of the book *Italy in Early American Cinema* by Giorgio Bertellini *Italica*, 87(3), 526-28.

Rosteck, T. (2011). Media and Communication Studies.” The Encyclopedia of Literary and Cultural Theory. Michael Ryan, ed. Wiley-Blackwell Publishers.

Smith, S. A. (in press). *Henry Schofield*. *Yale Biographical Dictionary of American Law*. New Haven: Yale University Press.

Smith, S. A. (in press). The Arkansas 'Scottsboro' Case, *Arkansas Encyclopedia of History and Culture*.

Warren, R. (in press). Review of *children, adolescents, and the media*, by Victor Strasburger and Barbara Wilson. *Mass Communication & Society*.

#### 5. Convention, Conference and Invited Presentations

Allen, M. W., Walker, K. L., Brady, R., Johnson, T. K., & Rusinowski, J. T. (2010). Sustainability discourse within a supply chain relationship: Mapping divergence and convergence. Paper presented at the International Communication Association Conference, Singapore.

Berck, C. B., Webb, L. M., & Amason, P. (2010). Accounts of interactions between deployed parents and their at-home children: An elaboration of the Palmer (2008) Risk and Resilience

Model. Paper presented at the annual convention of the National Communication Association, San Francisco, CA.

Cavallero, J. (2011). The Mann Behind Marty: Delbert Mann from Lawrence, Kansas to Hollywood's Oscar. Paper presented at the 2011 Keaton Celebration. Iola,  
Cavallero, J. (2011). 'Bollywoodizing' Hollywood: Slumdog Millionaire, Q&A, and Transnational Aesthetics. Paper presented at the 25<sup>th</sup> annual conference of the Society for the Study of the Multi-Ethnic Literatures of the United States. Boca Raton, FL.

Cavallero, J. (2010) "For the Love of Music: Musical Traditions Between Bollywood and Hollywood." Paper presented at the Film and History Conference. Milwaukee, WI.

Cavallero, J. (2010) "What Counts as Asian American Cinema? Hong Kong Cinema, Hollywood, and the Question of 'Ethnic Aesthetics.'" Paper presented at the National Association for Ethnic Studies annual conference. Washington, DC.

Corrigan, L. M. (2010). Whiteness in the Black Imagination: Michael Jackson in Africa. Paper presented at the Rhetoric Society of America -Minneapolis, MN..

Corrigan, L. M. (2010). Integrating Central High: A Rhetorical History. Paper presented at the Southern States Association Convention.

Horvath, M., Amason, P., Wilson, M. L., Smith, C., & Romanin, S. (2011). The delivery of bad news: The SPIKES model and patient-physician communication. Paper presented at the annual convention of the Southern States Communication Association, Little Rock.

Mertensmeyer, A., & Wicks, R. H. (2010). A gendered blogosphere? Stereotypes and blog commentary and coverage of Sarah Palin during the 2008 campaign. Paper presented at the annual meeting of the National Communication Association, San Francisco, CA.

Scheide, F. M., (2010). Frederick Jackson Turner's "Frontier Thesis" and *Avatar* (2009): A 21<sup>st</sup> Century Internalization of a 19<sup>th</sup> Century American Myth. Paper presented at the Fifth International Conference on the Arts in Society, Sydney College of the Arts, Sydney, Australia.

Son, M. S., Webb, L. M., Allen, M. W., & Amason, P. (2010). U. S. Women's communication with heterosexual partners about sexual discrepancies: A first examination. Paper presented at the annual convention National Communication Association, San Francisco, CA.

Smith, S. (2010). Building Bridges between Research and Practice: Political Communication Scholarship and Engaged Student Action. Paper presented at the National Communication Association convention, San Francisco, CA.

Smith, S. (2010). Franklyn S. Haiman's *Religious Expression and the American Constitution* Situated. Paper presented at the National Communication Association convention, San Francisco, CA.

Smith, S. (2010). Taming the 'Living Constitution': William H. Rehnquist's Legal Polemic and the Discursive Forms of Judicial Activism. Paper presented at the National Communication Association. San Francisco, CA. Top Paper Award.

Smith, S. (2010). Antirrhesis and Judicial Activism: The Midcentury Concord and Conflict of Roscoe Pound and Felix Frankfurter. Paper presented at the Rhetoric Society of America Biennial Conference.

Walker, K. L. (2010). Kin and neighbors: Hunting the hills of Missouri. Paper presented at the Sunbelt XXX (International Network for Social Network Analysis), Riva del Garda, Italy.

Walker, K. L. (June 2010). Emerging perceptions (cognitive social structures): Using longitudinal analysis to examine the dynamic power structure in networks. Paper presented at the Sunbelt XXX (International Network for Social Network Analysis), Riva del Garda, Italy.

Warren, R., & Wicks, R. H. (2010). Political Socialization: Modeling Teen Political and Civic Engagement. Paper presented at the annual meeting of the National Communication Association, San Francisco, CA.

Webb, L. M., Amason, P., Morledge, C. M., Spurlock, K. M., Agree, P. K., & Moore, M. E. (2010). Safer-sex talk: Accounts from 21<sup>st</sup> century male and female college students. Paper presented at the annual convention of the National Communication Association, San Francisco, CA.

Webb, L. M., Grisso, A. D., Morris, J., Boupha, S., & Zakeri, M. (2011). Identity construction via social networking: How ethnicity is enacted on [Facebook.com](https://www.facebook.com). Paper presented at the Western States Communication Association, Monterey, CA.

Webb, L. M., Lee, B. D., Hans, M., & Tinker, K. (2010). Online performances of gender: Blogs, gender-bending, and cyber-sex as relational exemplars. Paper presented at the Organization for the Study of Communication, Language, and Gender, Tampa, October.

Wicks, R. H., & Warren, R. (2010). Modeling Political Consumerism among Youths: An Ecological Systems Approach. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Denver, CO.

## **DRAMA**

July 2010 to June 2011

I. BOOKS: 0

II. CHAPTERS: 0

III. REFEREED ARTICLES and PRESENTATIONS: 0

IV. OTHER ARTICLES/NON - REFEREED PUBLICATIONS: 0

V. RESEARCH PAPERS: 0

VI. INVITED LECTURES/WORKSHOPS AND SIMILAR ENDEAVORS: 26

Ford, Bob – Playwright, *The Fall of the House*, Alabama Shakespeare Festival, 2010.

Ford, Bob – Playwright, *The Fall of the House*, Arkansas Playwrights Workshop, 2010.

Ford, Bob – Playwright, *Look Away*, Southern Writers' Project, Alabama Shakespeare Festival, 2010.

Ford, Bob – Playwright, *Hackensack*, world premiere, Syracuse University Drama Department, 2010.

Ford, Bob – Playwright, *Broadway Cabaret*, Valle Christi Festival Internazionale in Rapallo, Italy, July, 2010.

Ford, Bob – Playwright, *My Father's War*, staged reading, Theatre J in Washington, D.C.)

Herzberg, Amy – Secretary, American Congress of Actors and Acting Teachers, New York, January, 2011.

Herzberg, Amy – Director, *Broadway Cabaret*, Valle Christi Festival Internazionale, Rapallo, Italy.

Herzberg, Amy – Actor, *My Father's War*, Theatre J in Washington, D.C.

Herzberg, Amy – Director, *The Fall of the House*, Arkansas New Play Festival, 2010.

Landman, Michael – Director, *Tutta Casa, Letto e Chiesa (All Things Home, Bed and Church)* Valle Christi Festival Internazionale, July, 2010.

Landman, Michael – Director, *Tutta Casa, Letto e Chiesa (All Things Home, Bed and Church)* Il Teatrino di Portifino, Portifino, Italy, July 2010.

Landman, Michael – Director, *Thirty Nine Steps*, Theatre Squared, August 2010.

Leftwich, Gail – Advisor, The Dance Coalition, Fayetteville, Arkansas.

Leftwich, Gail – Advisor, SoulRepublik Dance Troupe, R.S.O. University of Arkansas.

Leftwich, Gail – Facilitator, Dance Workshops in Jazz and Ballet, Spring, 2011.

Riha, Michael – Scenic Designer, *Every Christmas Story Ever Told*, Theatre Squared, 2010.

Riha, Michael – Scenic Designer, *Rocky Horror: The Musical*, Tulsa Theatre Project, 2010.

Riha, Michael – Scenic Designer, *A Doll's House*, Hamilton College, April, 2010.

Riha, Michael – Lighting Designer, *Sundown Town*, Theatre Squared, February, 2011

Riha, Michael – Lighting Designer, *Reasons to Be Pretty*, Theatre Squared, March 2011.

Sibley, Clinnesha Dillon – Founder/Producing Artistic Director, Emerge Theatre Group.

Sibley, Clinnesha Dillon – Producer, Emerging Playwrights Festival, The Jones Center, 2010.

Sibley, Clinnesha Dillon – Director, Choreographer, Actor, *Shakespeare in Harlem*, African American Resource Group, December, 2010.

Stone, Patrick – Scenic Advisor, *The Blue Man Group*, Walton Arts Center, February 2011

Stone, Patrick – Scenic Advisor, Production Resource Group Scenic Technologies, 2010-2011.

## II. OTHER CREATIVE ENDEAVORS: 18

Dwyer, Mavourneen. Associate Editor, International Dialects of English Archives, University of Kansas.

Dwyer, Mavourneen. Member of Phi Beta Delta, International Scholar's Organization.

Dwyer, Mavourneen. Adjudicator, George R. Kernodle New Play Festival.

Ford, Bob – Artistic Director, Theatre Squared, Fayetteville, Arkansas.

Ford, Bob – Director, Arkansas Playwright's Workshop.

Frank, Kate – Guest Instructor in Movement, Arts Live!

Gibbs, D. Andrew. Designed auditorium and related support facilities and all theatrical equipment

For Fayetteville High School Performing Arts Center.

Gibbs, D. Andrew. Designed the new auditorium and related support facilities including the

Design and specification of all theatrical equipment for Mena High School Auditorium.

Gibbs, D. Andrew. Designed the stage house and front-of-hours technical accommodations; design of rigging system, stage lighting system: plans and specifications, First United Methodist Church, Shreveport, Louisiana.

Gibbs, D. Andrew – Designed the overall design of the building and designed rigging, lighting, Stage floor and seating for Siloam Springs High School Auditorium.

Gibbs, D. Andrew – Designed the auditorium; plans and specifications for theatrical equipment, Arkansas State University – Mountain Home: Center for Community Development.

Gibbs, D. Andrew – Renovation consultant for U.A. Fine Arts Center.

Gibbs, D. Andrew – Stage Lighting system design and specification, Stella Boyle Smith Concert Hall, University of Arkansas.

Herzberg, Amy. Co-Founder and Associate Artistic Director, Theatre Squared, Fayetteville.

Landman, Michael – Participant, Winter Teaching Symposium, U.A., January 2011.

Landman, Michael – Host, Graduate Research Opportunities Forum, U.A.P.B.

Landman, Michael – Judge, George R. Kernodle New Playwriting Competition, 2010-11.

Leftwich, Gail – Adjudicator, Ozark Ballet auditions, 2010-11.

#### VIII.PLAY PRODUCTION AT UA/FAYETTEVILLE: Faculty Assignments: 48

Dwyer, Mavourneen Company Voice Work, *A Christmas Carol*, Walton Arts Center, 2010.Director, *Arcadia*, University Theatre, February, 2011. Company Voice Work, *The Prime of Miss Jeanodie*

Ford, Bob                      Director, *The Prime of Miss Jean Brodie*, Studio 404, February 2011.

Frank, Kate                    Director, *Urinetown*, University Theatre, October, 2010.

Director, *I Love You Because*, Nadine Baum Studios, June, 2011.

Gibbs, D. Andrew        Scenic design, *Arcadia*, University Theatre, February 2011.

Faculty Mentor to Justin Ashley, Lighting Design, *Urinetown*, University Theatre, October, 2010.

Faculty Mentor to Justin John, Lighting Design, *Arcadia*, University Theatre, February, 2011.

Faculty Mentor to Justin Ashley, Lighting Design, *Othello*, University Theatre, April 2011.

Faculty Mentor to Diana Kaiser, Lighting Design, *Honor and the River*, Studio 404. Theatre, April 2011.

Faculty Mentor to Diana Kaiser, Lighting Design, *Charlie Brown*, Studio 404

Herzberg, Amy      Director, *A Christmas Carol*, Walton Arts Center, December 2010.

Landman, Michael   Director, *Othello*, University Theatre, April, 2011.

Fight Choreographer, *Othello*, University Theatre, April, 2011.

Faculty Mentor to Jae Sim, Directing, *The Good Doctor*, Boar's Head Players, July, 2010.

Faculty Mentor to Esteban Arevalo, Directing, *Honor and the River*, Studio 404, October 2010.

Faculty Mentor to Kiara Pipino, Directing, *You're a Good Man Brown*, Studio 404, February, 2011.

Producer/Facilitator. One Person Show Play Festival, Studio 404 November, 2010.

Faculty Mentor to Jae Sim, Directing M.F.A. Thesis, *The Good Doctor*, Boar's Head Players, June, 2010.

Lee, Jeanne

Musical Director, *Urinetown*, University Theatre, October, 2010.

Musical Consultant. *A Christmas Carol*, Walton Arts Center, December 2010.

Musical Consultant. *Arcadia*, University Theatre, February, 2011.

Musical Consultant. *You're a Good Man Charlie Brown*, Studio 404, April 2011.

Musical Consultant. *Othello*, University Theatre, April, 2011.

Leftwich, Gail

Choreographer, *Urinetown*, University Theatre, October, 2010.

Assistant Director, *Urinetown*, University Theatre, October, 2010.

Choreographer, *A Christmas Carol*, Walton Arts Center, December 2010.

Choreographer. *Othello*, University Theatre, April, 2011.

Martin, Patricia

Costume Design, *The Good Doctor*, Boar's Head Players, July, 2010.

Faculty Mentor to Latricia Reichman, Costume Design, *Urinetown*,  
Theatre, October, 2010.

University

Costume Design, *A Christmas Carol*, Walton Arts Center, December 2010.

Faculty Mentor to Alexis Foster, Costume Design, *Arcadia*, University Theatre, February, 2011.

Faculty Mentor to Latricia Reichman, Costume Design, *Othello*, University Theatre, April 2011.

Riha, Michael

Scenic Designer, *Urinetown*, University Theatre, October, 2010.

Scenic Designer, *A Christmas Carol*, Walton Arts Center, December 2010.

Faculty Mentor, Will Eubanks, Sound Design, *Urinetown*, University Theatre, October, 2010.

Faculty Mentor, Will Eubanks, Sound Design, *A Christmas Carol*, Walton Arts Center, December, 2010.

Faculty Mentor, Derek Karney, Projection Design, *A Christmas Carol*, Walton Arts Center, December 2010.

Sibley, Clinnesha Production Manager, Boar's Head Players, June 2011.

Stone, Patrick

Technical Director, *The Good Doctor*, Boar's Head Players, July, 2010.

Technical Director, *Urinetown*, University Theatre, October, 2010.

Technical Director, *A Christmas Carol*, Walton Arts Center, December 2010.

Technical Director, *Arcadia*, University Theatre, February, 2011.

Technical Director, *Othello*, University Theatre, April, 2011.

Faculty Mentor to Ashleigh Burns, Props Master, *Urinetown*, University Theatre, October, 2010.

Faculty Mentor to Sandra Bunch and Ashleigh Burns, *A Christmas Carol*, Walton Arts Center, December, 2010.

Special Effects Coach, *A Christmas Carol*, Walton Arts Center, December 2010.

## **ENGLISH**

### I. Books

BERNHARD JACKSON, EMILY.

*The Development of Byron's Philosophy of Knowledge: Certain in Uncertainty.* Palgrave, 2010. 240pp.

BOOKER, M. KEITH.

*The Historical Dictionary of Science Fiction Cinema.* Lanham, MD: Scarecrow Press, 2010. 332pp.

Ed. *Critical Insights: "Things Fall Apart."* Pasadena, CA: Salem Press, 2010. 332pp.

Ed. *Cultural Theory.* (Vol. 3 of 3-volume *The Blackwell Encyclopedia of Literary and Cultural Theory*). Malden, MA: Wiley-Blackwell, 2011. 640 pp—total for 3 volumes 1522 pages) Ed. Vol. 3 of *The Encyclopedia of Literary and Cultural Theory.*



*The Historical Dictionary of American Cinema*. Lanham, MD: Scarecrow Press, 2011. 477 pp.

DUVAL, JOHN.

Co-author with Marilyn Gaddis Rose, Julianne House, and Said Shiyab. *Globalization and Aspects of Translation*. Cambridge: Cambridge Scholars Press, 2010. 240pp.

JOLLIFFE, DAVID.

Co-author with Hephzibah Roskelly. *Everyday Use: Rhetoric at Work in Reading and Writing*. Reprint; expanded Texas AP Edition. New York: Pearson/Longman, 2010. 384pp.

II. Refereed Scholarly and Creative Essays, Poems, Stories, Translations, and Reports

BERNHARD JACKSON, EMILY.

"Least Like Saints: The Vexed Issue of Byron's Sexuality." *The Byron Journal* 38.1 (June 2010): 29-37.

BOOKER, M. KEITH.

"On *Things Fall Apart*." *Critical Insights: "Things Fall Apart"*. Ed. M. Keith Booker. Pasadena, CA: Salem Press, 2010. 3-8.

"Chinua Achebe: *Things Fall Apart*." *Critical Insights: "Things Fall Apart"*. Ed. M. Keith Booker. Pasadena, CA: Salem Press, 2010. 96-124.

"Southern African Fiction." *Twentieth-Century World Fiction*. Vol III of *The Encyclopedia of Twentieth-Century Fiction*. Vol. ed. John Clement Ball; gen. ed. Brian W. Shaffer. Oxford: Wiley-Blackwell, 2011. 1353-56.

BROCK, GEOFFREY.

Poem. "Last Things," in *32 Poems*. Lubbock: Texas Tech University, Spring 2011.

Poem. "Confluence," in *Subtropics*. Gainesville: University of Florida, Spring 2011.

Poem. "Concordances: May 1976," in *Two Weeks: A Digital Anthology of Contemporary Poetry*, Ash Bowen & Johnathon Williams, eds. E-book: February 2011.

Translation. "Image Tensed," by Clemente Rebora. *Poetry*. Chicago: Poetry Foundation, December 2010.

Translation. "Last Dream," by Giovanni Pascoli. *Poetry*. Chicago: Poetry Foundation, December 2010.

Translation. "Poppies," by Attilio Bertolucci. *Poetry*. Chicago: Poetry Foundation, December 2010.

Three "Q & A" prose pieces, about each of the above translations. *Poetry*. Chicago: Poetry Foundation, December 2010.

Poem. "Seeing Armstrong: 1931." *Encounters: Poems About Race, Ethnicity, and Identity*, ed. Paula Cole Jones. Boston: Skinner House Books, December 2010.

Poem. "Other People's Dreams," in *A Season of Poetry*, Lytton Smith, ed. E-book: October 2010.

DUVAL, JOHN.

Translations. "The Great Will" and "Metamorphoses." Transl. of two ballades, with introductory octaves, by François Villon. Spring, 2011.

GILES, MOLLY.

"Seahorse Sex." *Smokelong Quarterly*. Spring 2010.

"Nobody's Friend." *Gulf Coast Review*. Winter 2010.

HEFFERNAN, MICHAEL.

"Old Money." *IOU: New Writing on Money*, ed. Ron Slate. Concord, MA: Concord Free Press, 2010: 167.

"The Consecration of the House." *Crowd* 4.1 (7.7.2010): <http://litcrowd.com/>

"Hermitage." *Crowd* 4.1 (7.7.2010): <http://litcrowd.com/>

HINRICHSSEN, LISA.

"Economies of Desire and the Feminine Sublime in Elizabeth Madox Roberts' *The Time of Man*." Essay in a special issue on "The South and the Sublime" in *The Southern Quarterly*. Spring 2011.

"'Memory Believes Before Knowing Remembers': Teaching Faulkner and Memory Studies." *Teaching Faulkner Newsletter*. No. 28. Fall 2010. Center for Faulkner Studies, Southeast Missouri State University. 1-6.

"The Southern Novel." In *The Encyclopedia of Twentieth-Century American Fiction*. Ed. Patrick O'Donnell. Oxford: Wiley Blackwell, 2010. (with John T. Matthews).

JOLLIFFE, DAVID.

"The Community Literacy Advocacy Project: Civic Revival Through Rhetorical Action in Rural Arkansas." *The Public Work of Rhetoric*, eds. John Martin Ackerman and David Coogan. Columbia, SC: Univ. of South Carolina Press, 2010. 267-282.

"Advanced Placement English and College Composition: 'Can't We All Get Along?'" *What is College Writing, vol. II*, eds. Patrick Sullivan, Howard Tinberg, and Sheridan Blau. Urbana, IL: NCTE, 2010. 57-76.

"The Arkansas Delta Oral History Project: A Hands-On, Experiential Course in School-College Articulation." *Going Public: The WPA as Advocate for Engagement*, eds. Shirley Rose and Irwin Weiser. Logan, UT: Utah State Univ. Press, 2010. 50-67.

"Foreword: Tough Questions for Thoughtful Educators." *College Credit for Writing in High School: The "Taking Care of" Business*, eds. Kristine Hansen and Christine R. Farris. Urbana, IL: NCTE, 2010. vii-xiv.

KAHF, MOHJA.

"The Pity Committee and the Careful Reader: How Not to Buy Stereotypes about Muslim Women." In Rabib Abdal-Hadi, et al, eds. *Arab American Feminisms: Gender, Violence, and Belonging*. Syracuse: Syracuse Univ. Press, 2010.

Poem. "Brenda Unbound." *Banipal: Magazine of Modern Arab Literature* 38 (2010): 50-52.

“Ghazal for Iranians Who Don’t Hate Arabs.” *Monthly Review Zine*.  
<http://mrzine.monthlyreview.org/2010/kahf220310.html>.

MADISON, KAREN LENTZ.

“*The Wept of Wish Ton-Wish*: Noting Cooper’s Naragansett Novel.” With R. D. Madison.  
*Literature in the Early American Republic* 3 (May 2011): 1-11.

MADISON, ROBERT D.

“*The Wept of Wish Ton-Wish*: Noting Cooper’s Naragansett Novel.” With K. L. Madison.  
*Literature in the Early American Republic* 3 (May 2011): 1-11.

VISWANATHAN, PADMA.

“Carnival Week,” FiveChapters.com. November 2010. <http://www.fivechapters.com/2010/11/>

“Local Gods” (personal essay). In *Elle Canada* 2010. Anthologized in *The Rumpus Women*, vol. 1. Rumpus Papers Internets, 2010.

WITHERBEE, AMY.

“The Temporality of the Public in *The Tatler* and *The Spectator*.” *The Eighteenth Century: Theory and Interpretation* 51.1-2 (Spring/Summer 2010): 173-92.

### III. Invited, Reprinted, and Non-refereed Publications

BERNHARD JACKSON, EMILY.

Review of *Austen’s Oughts* by Karen Valihora. *Times Literary Supplement*, July 23, 2010: 27.

Review of *Sentimental Masculinity and the Rise of History, 1790-1890* by Mike Goode. *Times Literary Supplement*, July 23, 2010: 27.

BROCK, GEOFFREY.

Translated poem (reprint). “Poppies,” by Attilio Bertolucci. *Poetry Daily*. [www.poems.com](http://www.poems.com): 15 December 2010.

Poem (reprint). “Shades of Tucson: 2005.” In *Alhambra Poetry Calendar 2001: 365 Classic and Contemporary Poems*. Ed. Shafiq Naz. Belgium: Alhambra Publishing, November 2010.

Poem (reprint). “Weighing Light.” On *Poem of the Day* (podcast), at [www.poetryfoundation.org/features/audio?show=Poem%20of%20the%20Day](http://www.poetryfoundation.org/features/audio?show=Poem%20of%20the%20Day)). Chicago: Poetry Foundation. 17 July 2010.

BURRIS, SIDNEY.

Ten entries for the blog *Tibetspace*. Web. 11 January, 6 March, 10 March, 23 May, 26 May, 3 June, 8 June, 9 June, 21 June, and 14 September 2010.

DUVAL, JOHN.

Review of J. G. Nichols’s translation of *The Decameron*. *Translation Review* 80 (Summer 2011).

HEFFERNAN, MICHAEL.

Reprinted Poem "Ajar in Tennessee." *Poetry Daily* 16 (June 2010). Originally published in *The Kenyon Review*.

HINRICHSSEN, LISA.

Review of Dorothy Stringer's *"Not Even Past": Race, Historical Trauma, and Subjectivity in Faulkner, Larsen and Van Vechten* (Fordham UP, 2009) for *Modernism/Modernity*. 17.4. (November 2010). 945-947.

Review of E. Patrick Johnson's *Sweet Tea: Black Gay Men of the South* (UNC Press, 2008) for *GLQ: A Journal of Lesbian and Gay Studies*. 17.1 Winter 2011. 213-215.

JOLLIFFE, DAVID.

Co-Author with Sandra Stosky and Chris Goering. "Literary Study In Grades 9, 10, and 11 in Arkansas." [http://coehp.uark.edu/literary\\_study.pdf](http://coehp.uark.edu/literary_study.pdf).

KAHF, MOHJA.

Book Review Essay. *Banipal: Magazine of Modern Arab Literature* 38 (2010): 194-197.

Creative Non-Fiction Essay. "The Damascene Horse Dealer's Daughter, Or How I Came to America." *Arkansas Times*, December 9, 2010.

Poem. "Asiya's Aberrance." On *Peace Ride* (cd). December, 2010.

"Three Drama Queens Fuel Family Feud." *The Morning News* (Springdale, AR), January 29, 2010.

Poem. "Most Wanted." In *Reclaiming Beauty for the Good of the World: Muslim & Christian Creativity*. George Dardess and Peggy Rosenthal, eds. Louisville, KY: Fons Vitae, 2010, p. 219.

MADISON, ROBERT D.

Review of Robert J. Shallenberger, *Hawaiian Birds of the Sea: Na Manu Kai*, *The Nautilus* 2 (Spring 2011), 120-122.

MARREN, SUSAN.

"Ralph Armstrong." *The Encyclopedia of Arkansas History and Culture*. December 2010.

SLATTERY, PATRICK, RAINA SMITH LYONS, and ERIC D. LARSON.

"A Quantitative and Qualitative Assessment of Composition I And Composition II." University of Arkansas, Department of English, Program in Rhetoric and Composition. Fayetteville, AR. July 2010.

TUCKER, TERRENCE.

Review of *Contemporary African American Fiction: New Critical Essays*, ed. Dana A. Williams. *Callaloo* 33.2 (Spring 2010): 561-564.

WITHERBEE, AMY.

Review, Kathleen Hardesty Doig and Dorothy Medlin, editors. *British-French Exchanges in the Eighteenth Century. The Eighteenth-Century Current Bibliography*. Volume 32. September 2010.

#### IV. Lectures and Readings

BERNHARD JACKSON, EMILY.

“Melancholy, Bloodsuckers, and Sex: The Evolution of the Byronic Hero.” Romantic Realignments Seminar, Oxford University, 2010.

Presentation at the Cambridge University Romanticism Seminar, 2010.

BROCK, GEOFFREY.

Poetry reading and class visit, Concordia University. Montreal, QC: 1 Nov. 1 2010.

Lecture and poetry reading, New York Public Library. New York: 23 Mar. 2011.

Poetry reading, [with](#) the Trinity Choir and Trinity Baroque Orchestra, [as part of the “Bach at One” series](#) at St. Paul’s Chapel. New York: 4 April 2011.

CANDIDO, JOSEPH.

Gave an address to Advanced Placement high school English teachers in Fayetteville. July 2010.

COCHRAN, ROBERT.

Invited Presentation. American Folklore Society Meeting. Nashville, TN. October 2010.

Gallery Presentation. Rogers Historical Museum. Rogers, AR. 25 September 2010.

GAMBLE, JAMES.

“‘The Viking Prince’ from *King of the Vikings*.” Arkansas Philological Association Conference, Fayetteville, AR. October 7-9, 2010.

GILES, MOLLY.

Reading. Eastern Washington University, Spokane WA, 5 March 2010.

Reading. Fayetteville Public Library, 2 May 2010.

Reading. Oakland Public Library, Oakland, CA, 20 June 2010.

GRAY, LAURA.

Chair, poetry panel. Arkansas Philological Association Conference. October 2010.

"A Creative Approach in More Ways than One: Teaching Literacy in the Third World within a Multi-Disciplinary Service-Learning Project." Arkansas Philological Association Conference. October 2010.

“Creative Writing and Literacy.” For the Office of National Minister of Education, Belize City, Belize. 27 May 2010.

“Development Theory and Our Approach in the Belize Program.” Fayetteville, AR. 10 May 2010.

"Language, Culture and Education in the Stann Creek District." Fayetteville, AR. 10 May 2010.

POWA Seminar. “Encouraging Family Literacy.” 2 June 2010.

Teacher Training Seminar. Stann Creek District, Dangriga, Belize. 30 May 2010.

HINRICHSSEN, LISA.

“State of the South in English.” Fulbright Colloquium. University of Arkansas. Fayetteville, AR. 4 March 2011.

“Dirty Pleasures: Taste, Waste and *Let Us Now Praise Famous Men*.” Southern American Studies Association Conference in Atlanta, Georgia. 17-19 February 2011.

“Laboring to Learn: The Southern Ivory Tower and the Architecture of Anxiety.” Modern Language Association Conference. Los Angeles, CA. 6-9 January 2011.

“Enchanting Ghosts: Memory and Magical Thinking in *Beloved* and *As I Lay Dying*.” Center for Faulkner Studies, Cape Girardeau, MO. 28-30 October 2010.

“Enchanting Modernism and *As I Lay Dying*.” Arkansas Philological Association. Fayetteville, AR. 7-9 October 2010.

Chaired five separate sessions at the Arkansas Philological Association Conference, Fayetteville, AR, 7-9 October 2010.

“Wanting Magic: Fantasy, Fiction and Cultural Capital in *A Streetcar Named Desire*.” Society for the Study of Southern Literature Conference, New Orleans, LA. 8-11 April 2010.

JOLLIFFE, DAVID.

“Literacy: Urban, Suburban, Rural—What’s the difference, and What Difference Does It Make?” West Virginia University, Morgantown, WV, 27 October 2010.

“The Community Literacy Advocacy Project: Civic Revival through Rhetorical Activity in Rural Arkansas.” Thomas R. Watson Conference on Rhetoric and Composition. 14 October 2010.

“Rhetorical Theory and Rhetorical Analysis: Incorporating Rhetoric in High School English.” Rhetoric Society of America, Minneapolis, MN. 27 May 2010.

“The ACT and the Arkansas Grade 11 Literacy Exam: Are We Giving the Right Literacy Test in Arkansas?” Seventeenth Annual Mary E. Benjamin Conference On Educational Access. University of Arkansas at Pine Bluff. 29 April 2010.

“The Augusta Community Literacy Advocacy Project: Civic Revitalization through Rhetorical Activity in Rural Arkansas.” Conference on College Composition and Communication. Louisville, KY. 19 March 2010.

“The Arkansas Delta Oral History Project: Enriching Reading and Writing Instruction in Rural Arkansas. International Reading Association. Chicago, IL. 27 April 2010.

KAHF, MOHJA.

Reading. University of Southern California. Los Angeles, CA, 28 September 2010.

Reading. Claremont-McKenna College, Claremont, CA, 27 September 2010.

Reading. Levantine Cultural Center of Los Angeles and Sponsored by the Laguna Beach Women's Club. Laguna Beach, CA. 27 September 2010.

Reading. Levantine Cultural Center. Los Angeles, CA. 14 July 2010.

Poetry Reading. Boulder Public Library Cultural Series' Arabic Literature Discussion Group. Boulder, CO. 30 June 2010.

Lecture and Reading. The Evergreen State College Humanities Program. Olympia, WA. 12 May 2010.

Public Lecture. "Muslim American Literature." University of Washington. Seattle, WA. 11 May 2010.

Lecture. "Muslim American Literature." Kenyon College, Gambier, OH. 16 February 2010.

Poetry Reading. Kenyon College, Gambier, OH. 15 February 2010.

Public Lecture. "How do You Say 'Goy' in Muslim? Muslim American Literature Emerging in Context." Jamieson Lecture Series. University of Alabama, Birmingham, AL. 28 January 2010.

Lecture. "Purple Ihram and the Feminine Beatitudes of Hajj." Honors House, University of Alabama, Birmingham, AL. 28 January 2010.

Public Lecture and Reading. Hulsey Recital Hall, University of Alabama, Birmingham, AL. 28 January 2010.

"I am the Bloodgushing Javelin': Unearthing a Pagan Arab Woman Poet of Arab Independence." Arkansas Philological Association Meeting, Fayetteville, AR. October 2010.

Lecture. Seattle Town Hall, 29 September 2010.

LEWIS, JACOB.

"Contra heterotopiam: Lessons from Malory's *Le Morte Darthur*." 37th Annual Meeting of the Arkansas Philological Association, University of Arkansas, 2010.

"Utopian Malory? Camelot and/as Heterotopia in *Le Morte Darthur*." 42nd Annual Meeting of the College English Association, St. Petersburg, FL., 2011.

Lecture. "Thomas Malory's *Le Morte Darthur*." University of Arkansas. 16 September 2010.

MADISON, KAREN LENTZ.

Melville's Dinosaurs: Owen, Hawkins, and Victorian Paleontology." Melville Society Conference. Rome, Italy. June 2011.

"Scholar Gypsies: Academia's Fortune Tellers." President's Forum Organizer and Respondent. College English Association, 2011. 31 March-2 Apr. 2011.

MADISON, ROBERT D.

"Darwin's Year and the Cave at Engihoul" Melville and Rome Conference, Rome, Italy. 23 June 2011.

"Birdbook for Grace: Robert Cushman Murphy, Ecohistory, and the Bird Islands of Peru" College English Association. 1 Apr 2011.

MARREN, SUSAN.

Organizer and Panelist. Race and Gender Issues in Rebecca Skloot's *The Immortal Life of Henrietta Lacks*. 11 November 2010.

MCCOMBS, DAVIS.

Poetry Reading and Panel Discussion. Ozark Writers Live. Fayetteville Public Library. 11 September 2010.

Poetry Reading. University of Louisiana at Monroe. 10 November 2010.

QUINN, WILLIAM.

"The Mystery of the Monk's Tale Stanza." International Congress of the New Chaucer Society. Siena, Italy. 15-19 July 2010.

"Chaucer's 'Equivalents' of the Italian Sonnet, Ottava Rima and Terza Rima." Università degli Studi di Padova, Italy. 23-27 July 2010.

SEXTON, DANNY.

Panel Moderator. Arkansas Philological Association Annual Meeting. October 2010.

SLATTERY, PATRICK.

"A Quantitative and Qualitative Study of Composition I: Visions and Revisions of Assessment." Arkansas Philological Association Meeting. Fayetteville, AR. October 2010. With Raina Smith Lyons and Eric D. Larson.

SPARKS, LEIGH PRYOR.

"Challenging Preconceptions in Teaching Women Prisoners: Experiences from a Creative Writing Workshop." 37th Annual Meeting of the Arkansas Philological Association, University of Arkansas. October 2010.

VISWANATHAN, PADMA.

Reading. Concordia University, Montreal, QC. 2010.

Reading. Arkansas Philological Assn. Conference, Fayetteville, AR. 2010.

WALKER, KAREN.

"Undermining Alterity through Art in Jessie Redmon Fauset's *There Is Confusion*." 37th Annual Meeting of the Arkansas Philological Association, University of Arkansas, October 2010.

WITHERBEE, AMY.



“Arabian Nights: the Sultan’s Slaves and the Slave to Love.” The American Society for Eighteenth-Century Studies Conference. Albuquerque, NM. 18 March 2010.

"The Ottoman Empire and the State of Things" presented at the annual meeting of the American Society for Eighteenth-Century Studies (ASECS). 17-20 March 2011.

#### V. Professional Activities, Honors, and Public Service

BOOKER, M. KEITH.

Member, Editorial Board, *Postidentity* (journal).

Member, Advisory Committee, *The Space Between* (journal).

Reviewed an essay for *Science Fiction Film and Television* (journal).

BROCK, GEOFFREY.

Fellowship at the Dorothy and Lewis B. Cullman Center for Scholars and Writers at the New York Public Library. September 2010-May 2011.

Contributing Editor. *Pushcart Prize Anthology*. 2010-2011.

Advisory/Contributing Editor. *Unsplendid*. 2010-2011.

Contributing Editor. *Italian Translation Review*. 2010-2011.

Editorial Advisor. *Absinthe: New European Writing*. 2010-2011.

BURRIS, SIDNEY.

Planned the campus visit of the Dalai Lama. 2010.

Judge. Poetry Council of North Carolina’s Charles Shell Contest for Traditional Poetry. Summer 2010.

Visiting Representative and Speaker in Anticipation of the visit of the Dalai Lama. University of Northern Iowa. 15-18 April 2010.

Recipient for TEXT Project: John A. White Award for Faculty-Student Collaboration. August 2010.

CANDIDO, JOSEPH.

Reviewed an article for *Papers in Language and Literature*. Summer 2010.

Reader of a book manuscript for the University of Arkansas Press. August 2010.

COCHRAN, ROBERT.

Nebraska Book Award, Non-Fiction Category, for *Louise Pound: Scholar, Athlete, Feminist Pioneer* (published by U of Nebraska Press 2009). Awarded, 2010.

DUVAL, JOHN.

“Partridges”: A dramatic performance of the fabliau originally published in *Fabliaux Fair and Foul*. For “Performing Medieval Narrative Today: A Video Showcase: A New York University Education Project. [www.nyu.edu/projects/mednar](http://www.nyu.edu/projects/mednar).

Keynote Address and Public Workshop. Missouri State University, 19 April 2010.

Translation Editor, *Moon City Review*.

Talk on translating Colonial American Documents. The Osher Institute. Fayetteville, 2010.

Visiting Fellow. Wolfson College. Cambridge University, 2010.

Editor and Editorial Board Member. *Journal of Italian Translation*. 2010.

Outside Evaluator for a candidate for tenure and promotion at American University of Sharjah, Abu Dhabi. 2010.

GAMBLE, JAMES.

Chair. Creative Writing Session, Arkansas Philological Association Conference. Fayetteville, AR. 7-9 October 2010.

GILCHRIST, ELLEN.

Had a movie made about her life by the Pryor Center, University of Arkansas, August 2010.

GILES, MOLLY.

Director. Weekend Workshop in Fiction Writing at Book Passage, Corte Madera, CA. 30 October 2010.

Recipient. Arkansas Arts Council Grant for Creative Non-Fiction. October 2010.

Fiction Reader on Admission Committee for Yaddo Artists' Colony, Saratoga Springs, NY. 2010.

Member. Advisory Board for Dairy Hollow Writers' Colony in Eureka Springs, AR 2010.

GRAY, LAURA.

Member, Arkansas Department of Education Literacy Intervention Task Force, 2010-11.

Teaching Mentor for first-year teaching assistants.

Course Curriculum Development for the Study Abroad Belize Program at the University of Arkansas.

Member, Remedial Committee. Worked toward redesigning and mainstreaming the Reading course.

HAYS, DONALD.

Short Story “Dying Light” chosen for inclusion in the next edition of *The Norton Anthology of Short Fiction*.

Outside Evaluator for a candidate for tenure and promotion at University of Missouri, St. Louis. 2010.

Judge. Annual Fiction Contest for the *American Literary Review*. 2010.

HEFFERNAN, MICHAEL.

Contributing editor. *Pushcart Prize XXXV: Best of the Small Presses*. 2011.

Poem “Puttanesca” read by Garrison Keillor on The Writer’s Almanac, NPR. 10 March 2010.

Judge. Porter Prize. Little Rock, AR, 2010.

HINRICHSSEN, LISA.

Organizer. “What To Do With a B.A. in English?” Event for undergraduate English majors, University of Arkansas. Spring 2011.

Participant. National Humanities Center Institute in Literary Studies. July 2010.

Participant. American Antiquarian Society Summer Seminar on the Global South. June 2010.

Member, Executive Council. Society for the Study of Southern Literature, 2009-2011.

Member. Executive Committee of the MLA Discussion Group on Southern Literature, 2010-2014.

Member. Bibliographic Committee of the Society for the Study of Southern Literature, 2010.

Vice President. Arkansas Philological Association. 2010.

Manuscript Reviewer. *College Literature*. 2010.

Primary Organizer. Arkansas Philological Association Conference. 7-9 October 2010.

Faculty Advisor, Undergraduate English Students Association (ESA) 2010-2011.

Panel organizer and chair, “The South and Sexuality.” Southern American Studies Association. Atlanta, Georgia. 17-19 February 2011.

Chair, “Folk Tales and Myth.” Faulkner and Morrison Conference at the Center for Faulkner Studies, Cape Girardeau, Missouri. 28-30 October 2010.

Manuscript Reviewer for *Papers on Language and Literature*, 2011.

JOLLIFFE, DAVID.

Awarded Arkansas College English Teacher of the Year by the Arkansas Council of Teachers of English. 2010.

Recipient. Distinguished Alumnus Award from Eberly College of Arts and Sciences, West Virginia University. 27 October 2010.

Chief Reader. AP English Language Exam. June 2010.

Workshop Leader. Advanced Placement English Language and Composition Courses. Fayetteville, AR, July 2010; Waltham, MA. August 2010.

Member. Arkansas Department of Education Literacy Intervention Task Force. 2010.

KAHF, MOHJA.

Winner of the 2010 Pushcart Prize for Creative Nonfiction Essay for “The Caul of Inshallah.”

Consultant for W. W. Norton on the upcoming revision of *The Norton Anthology of EWorld Literature*. 2010.

Judge. Muslim American Poetry Contest. 2010.

MADISON, KAREN.

Karen Lentz Madison Scholar Gypsy Award established in 2011 by College English Association.

President, College English Association. 2010-11.

Chair, Selection Committee, James R. Bennett Award for Literature and Peace. 2008-present.

Selection Committee Member, College English Association Graduate Student Conference Paper Award. 2003-present.

Selection Committee Member, International Peace Writing Contest. 2001-present.

Selection Committee Member, Gustavus Myers Center Award for Toleration. 2000-present.

Mentor for English Department Graduate Assistants. 2011.

UA Campus Faculty Sponsor, Omni Peace, Justice, and Ecology Center. 2010-11.

Judge, Conversations Scholarship Competition for Arkansas High School students who intend to be English Majors, 2010.

MADISON, ROBERT D.

Named Book-Review Editor, *The Nautilus: A Maritime Journal of Literature, History, and Culture*.

Designed and taught the first English Department offering for the Sustainability Minor: a course titled "Writing Nature."

VISWANATHAN, PADMA.

Fiction Writing Grant, Canada Council for the Arts: \$10,000.

## GEOSCIENCES

### Refereed Publications

G Brion, K Brye, B Haggard, C West, and V Brahana, 2010, *Land-use effects on water quality of a first-order stream in the Ozark-Highlands, mid-southern United States*: River Research and Applications, DOI: 10.1002/rra.1394, 19 p.

M Al-Qinna, HD Scott, JV Brahana, and TJ Sauer, 2011, *Macropore flow in soil overlying a well-characterized karst aquifer, Savoy Experimental Watershed, southern Ozark region*: Soil Science Journal of America, 20 p., [in review with journal]

TJ Sauer, WK Coblenz, SL Defauw, KR Brye, DK Brauer, JV Skinner, AL Thomas, JV Brahana, PD Hays, DC Moffitt, JL Robinson, TA James, and KA Hickie, 2011, *Nutrient cycling in a hardwood-forage alley cropping system receiving poultry litter or inorganic fertilizer*: Plant and Soil, 39 p., [in review with journal]

S-A Liu, F-Z Teng, W Yang, and F-Y Wu (2011) *High temperature equilibrium spinel-olivine magnesium isotope fractionation in the mantle*, Earth and Planetary Sciences Letters, in revision.

F-Z Teng, N Dauphas, RT Helz, S Gao and S Huang (2011) *Chemical diffusion-driven kinetic isotope fractionation of magnesium and iron in Hawaiian olivines*, Earth and Planetary Science Letters, in revision.

W-Y Li, F-Z Teng, Y Xiao and J Huang (2011) *High-temperature inter-mineral magnesium isotope fractionation in eclogite from the Dabie orogeny, China*, Earth and Planetary Science Letters, 304, 224-230.

S Ke, S-A Liu, W-Y Li, W. Yang, F-Z Teng (2011) *Advances and application in magnesium isotope geochemistry* (Invited review), *Acta Petrologica Sinica*, 27, 383-397.

DA Christie, JA Conisegna, MK Cleaveland, A Lara, C Le Quesne, MS Morales, M Mudelsee, DW Stahle and R Villalba, 2011, *Aridity changes in the Temperate-Mediterranean transition of the Andes since AD 1346 reconstructed from tree-rings*, Climate Dynamics (published "Online first" 23 Dec. 2009) doi: 10.1007/s00382-009-0723-4

HD Grissino-Mayer, PR Sheppard, MK Cleaveland, P Cherubini, P Ratcliff and J Topham, 2010, *Adverse implications of misdating in Dendrochronology: Addressing the re-dating of the "Messiah" violin*, Dendrochronologia, doi:10.1016/j.dendro.2009.09.003

R Vilalba, BH Luckman, J Boninsegna, RD D'Arrigo, A Lara, J Villanueva-diaz, M Masiokas, J Argollo, C Soliz, C LeQuesne, DW Stahle, F Roig, JC Aravena, MK Hughes, G Wiles, G Jacoby, P Hartsough, RJS Wilson, E Watson, ER Cook, J Cerano-Paredes, M Therrel, MK Cleaveland, MS Morales, NE Graham, J Moya, J Pacajes, G Massacchesi, F Biondi, R Urrutia and G M Pastur, 2011, Ch. 7, *Dendroclimatology from regional to continental scales: Understanding regional processes to reconstruct large-scale climatic variations across the western Americas*, in: M.K. Hughes, T.W. Swetnam and H.F. Diaz, eds., *Dendroclimatology: Progress and Prospects* (Developments in Paleoenvironmental Research Vol. 11), p. 175-227.

DW Stahle, RD Griffin, MK Cleaveland, JR Edmondson, FK Fye, DJ Burnette, JT Abatzoglou, KT Redmond, DM Meko, MD Dettinger, DR Cayan and MD Therrell, 2011, *Reconstruction and analysis of null zone position in San Francisco Bay*, San Francisco Estuary and Watershed Science, Vol. 9, Issue 1, 22 pp.

MK Cleaveland, 2011, *Dating the Chism House, Chismville, Arkansas, with Tree Rings*, report to M. Bryce Reveley on dating of a structure north of Booneville, AR. 28 pp.

DW Stahle, RD Griffin, JR Edmondson, MK Cleaveland, DJ Burnette, JT Abatzoglou, KT Redmond, DMMeko, MD Dettinger, DR Cayan and MD Therrell, submitted, *The blue oak woodlands of California*, Fremontia.

MK Cleaveland, TH Votteler, DK Stahle, RC Casteel and J. Banner, submitted, *Extended chronology of drought in South-Central and West Texas*, Texas Water Journal.

G Brion, K Brye, B Haggard, C West, and V Brahana (2010) *Land-use effects on water quality of a first-order stream in the Ozark-Highlands, mid-southern United States*: River Research and Applications, DOI: 10.1002/rra.1394, 19 p.

M Al-Qinna, HD Scott, JV Brahana, and TJ Sauer (2011) *Macropore flow in soil overlying a well-characterized karst aquifer, Savoy Experimental Watershed, southern Ozark region*: Soil Science Journal of America, 20 p. (in review)

TJ Sauer, WK Coblenz, SL Defauw, KR Brye, DK Brauer, JV Skinner, AL Thomas, JV Brahana, PD Hays, DC Moffit, JL Robinson, TA James and KA Hickie (2011) *Nutrient cycling in a hardwood-forage alley cropping system receiving poultry litter or inorganic fertilizer*: Plant and Soil, 39 p. (in review)

J Cothren, B Schaffrin (2010) *Comparison of error propagation in block orientation: an analytical approach*, Archives of the International Society of Photogrammetry and Remote Sensing, ISSN 1682-1777, Vol. 38, No. 7A, pgs. 25-30.

S Warn, J Emeneker, J Cothren, A Apon (2010) *Accelerating imate feature comparisons using CUDA on Commodity hardware*, Symposium on Application Accelerators in High Performance Computing (SAHGPC'10).

K Simon, A Payne, K Cole, S Smallwood, C Goodmaster, WF Limp and J Cothren (2010) *Closerange 3D laser scanning and virtual museums: beyond wonder chambers and cabinets of curiosity?* Frischer, B (ed) Proceedings, Making History Interactive, 37<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology.

S Smallwood, A Payne, K Simon, C Goodmaster, WF Limp, and J Cothren (2010) *Lighting systems in three dimensional non-contact digitizing: a view from the virtual Hampson Museum Project*, Frischer, B. (ed) Proceedings, Making History Interactive, 37<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archeology.

A Vranich, J Cothren and WF Limp (2010) *Recreating Cuzco in three dimensions*, Melero, F., P. Cano and J. Tevelles (eds) Fusion of Cultures: 38<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts, page 653, April 8. 2010, Granada, Spain.

WF Limp, A Payne, S Winters, A Barnes and J Cothren (2010) *Approaching 3D digital heritage data from a multi-technology, Lifecycle perspective*, Melero, F., P. Cano and J. Tevelles (eds) Fusion of Cultures: 38<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology, page 519-522, April 8, 2010, Granada, Spain.

S Warn, W Emeneker, J Cothren, A Apon (2009) *Acceleration SIFT on parallel architectures*, IEEE International Conference on Cluster Computing and Workshops, CLUSTER '09, ISSN: 1552-5244, Print ISBN: 978-1-4244-5011 doi: 10.1109/CLUSTER.2009.5289155

P Raento, J Minghi, DR Cox, FM Davidson, C Flint, GH Herb, *Interventions in teaching political geography in the USA*, Political Geography, 29 4 pages 190-849.

FM Davidson (2010) *Nationalism*, Encyclopedia of Geography, London: Sage, pages 847-849.

SL Shepherd, JC Dixon, RK Davis, R Feinstein (2010) *The effect of landuse on channel geometry and sediment distribution in gravel mantled bedrock streams, Illinois River Watershed, Arkansas*, River Research and Applications, DOI: 10.1002/rra.1401.)

JC Dixon (2010) *Canyonlands and arches: windows on landscapes in the American southwest*, Migon, P (ed) Geomorphological Landscapes of the World, Springer, London, pp. 39-47.

JC Dixon (2010) *Origin of calcrete and dolocrete in the carbonate mantle of St. Vincent Basin, southern South Australia*, Cadernos Lab, Xeoloxico de Laxe, 35, 109-122.

KL Bryson, JC Dixon, DW Sears (2010) *Evaporation effects on the formation of Martian gullies*, Icarus, 210, 72-82.

JC Dixon, SW Campbell, W Durham (9/19-25/2010) *Inorganic nitrogen in the geochemical budget of Karkevagge, Swedish Lapland*, abstract, Fifth Workshop of the International Association of Geomorphologists' Working Group on Sediment Budgets in Cold Climates, Saudarkrokur, Iceland.

JC Dixon, K Howe, KA Coleman (3/1-5/2010) *Periglacial hillslope analogs for Martian gully formation*, abstract 41<sup>st</sup> Lunar and Planetary Science Conference, Houston, TX

GC Koteas, ML Williams, SJ Seamans, G Dumond (2010) *Granite genesis and mafic-felsic magma interaction in the lower crust*, *Geology*, vol. 38, no. 12, pp. 1067-1070.

KH Mahan, A Smith, ML Williams, G Dumond, DD VanReenen (2011) *Heterogeneous strain and polymetamorphism in high-grade terranes: Insight into crustal processes from the Athabasca granulite terrane, western Canada and the Limpopo complex, southern Africa*, *GSA Memoir*.

SD Carlson, MJ Guccione (2010) *Short-term uplift rates and surface deformation along the Reelfoot Fault, New Madrid seismic zone*, *Bulletin of the Seismological Society of America*, v. 100, no. 4, p. 1659-1677.

S Hausmann (2011) I Larocque, R Pienitz and G St-Onge (2011) *Diatom-inferred wind activity at Lac du Sommet, southern Québec, Canada: adding coherence to a multiproxy paleoclimate reconstruction based on diatoms, chironomids, and pollen for the past 9500 years*, *The Holocene*.

JL Black, S Hausmann, R Pienitz and MB Edlund (2011) *Cyclotella Pingualuitii, sp. nov a new Pleistocene diatom from Pinguiluit Crater Lake, northern Québec, Canada*, *Diatom Research*.

JL Black, S Hausmann, R Pienitz, G St-Onge, H Guyard, S-P Salonen, M Lavoie, AM Girard-Cloutier and T Luoto (5/3/2010) *Reconstruction of Paleoenvironmental changes from Pingualuit Crater Lake sediments during glacial-interglacial cycles MIS1 to MIS8: a longterm terrestrial record from the Canadian Arctic*: European Geosciences Union (EGU) General Assembly, Vienna, Austria.

SU Salah, RK Davis, KF Steele, B Kim, PD Hays, TM Kresse and JA Fazio (2011) *Surface complexation modeling for predicting solid-phase arsenic concentrations in the sediments of the Mississippi river Valley alluvial aquifer, AR, USA*, *Applied Geochemistry*.

KJ Knierim, ED Pollock, PD Hays (5/2011) *Using labeled isotopes to trace groundwater flow paths in a northwestern Arkansas cave*, USGS Karst Interest Group National Meeting, USGS Scientific Investigations Report 2011-5020.

J Laincz, PD Hays, B Winston (5/2011) *Nitrate carbon processing in the interflow zone of mantled karst*, USGS Scientific Investigations Report 2011-5020.

KA Simon, K Payne, K Cole, S Smallwood, C Goodmaster, F Limp, and J Cothren (2010) *Close-range 3D laser scanning and virtual museums: beyond wonder chambers and cabinets of curiosity?* Fischer (ed) *Proceedings, Making history Interactive*, 37<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology.

S Smallwood, A Payne, K Simon, C Goodmaster, W Limp and J Cothren (2010) *Lighting systems in three dimensional non-contact digitizing: a view from the virtual Hampson Museum project*, Frischer (ed) *Proceedings, Making History Interactive*, 37<sup>th</sup> Annual Conference on Computer Applications and Analytical methods in Archaeology.

A Vranich, J Cothren, W Limp (2010) *The evolution of point cloud processing software and its affect in culture heritage applications*, F Melero, P Ano and J Tevelles (eds) *Fusion of Cultures*: 38<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts, p. 653, Granada, Spain.

A Payne, F Limp, J Cothren (4/8/2010) *The evolution of point cloud processing software and its affect in culture heritage applications*, F Melero, P Cano and J Tevelles (eds) Fusion of Cultures: 38<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts, p. 653, Granada, Spain.

W Limp, A Payne, S Winters, A Barnes, J Cothren (2010) *Approaching 3D digital heritage data from a multi-technology, lifecycle perspective*, F Melero, P Cano and J Tevelles (eds) Fusion of Cultures: 38<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts, p. 519-522, Granada, Spain.

TR Paradise (2011) *Tafoni and weathered stone basins*, Geomorphology (ed. G Pope, J Shroder), Reed-Elsevier MORP vol. 4.

TR Paradise (2010) *Assessment of tomb humidity, tourism policies, and surface recession in Petra, Jordan*, Journal of Conservation Studies v 16(2): 63-79.

DW Stahle, JS Dean (2011) *North American tree rings, climatic extremes, and social disasters*. Dendroclimatology: Progress and Prospects, MK Hughes, TW Swetman, HF Diaz (eds) developments in Palaeoenvironmental Research, v 11, Springer, pp. 297-327.

DM Meko, DW Stahle, D Griffin, TA Knight (2010) *Inferring precipitation-anomaly gradients from tree rings*, Quaternary International 2010:1-12.

RD DeSantis, SW Hallgren, DW Stahle (2010) *Historic fire regime of an upland oak forest in south-central North America*, Fire Ecology 6:45-61.

F-Z Teng, W-Y Li, RL Rudnick, LR Gardner (2010) *Contrasting behavior of lithium and magnesium isotope fractionation during continental weathering*, Earth and Planetary Science Letters, 300, 63-71.

W-Y Li, F-Z Teng, S Ke, RL Rucnick, S Gao, F-Y Wu, BW Chappell (2010) *Heterogeneous magnesium isotopic composition of the upper continental crust*, Geochimica et Cosmochimica Acta, 74, 6867-6884.

S-A Liu, F-Z Teng, Y He, S Ke, S Li (2010) *Investigation of magnesium isotope fractionation during granite differentiation: Implication for Mg isotopic composition of the continental crust*, Earth and Planetary Science Letters, 297, 646-654.

F-Z Teng, W-Y Li, S Ke, B Marty, N Dauphas, S Huang, F-Y Wu, A Pourmand (2010) *Magnesium isotopic composition of the Earth and chondrites*, Geochimica et Cosmochimica Acta, 74, 4150-4166.

N Dauphas, F-Z Teng, NT Arndt (2010) *Magnesium and iron isotopes in 2.7 Ga Alexo komatites: mantle signatures, no evidence for Soret diffusion, and identification of diffusive transport in zoned olivine*, Geochimica et Cosmochimica Acta, 74, 3274-3291.

JA Tullis, JR Jensen, GT Raber, AM Filippi (2010) *Spatial scale management experiments using optical aerial imagery and LIDAR data synergy*, GIScience and Remote Sensing 47(3): 338-359.

JJ Riggins, JM Defibaugh y Chavez, JA Tullis, FM Stephen (2011) *Spectral identification of previsual northern red oak (Quercus rubra L) foliar symptoms related to oak decline and red oak borer (Coleoptera: Cerambycidae) attack*, Southern Journal of Applied Forestry 35 (1): 18-25.

FC Wasiak, H Hames, JA Tullis, DG Balckburn, V Chevrier, JC Dixon (2011) *On characterizing the stability of Titan's lake regions*, Proceedings of the Lunar and Planetary sciences XLII, 7-11 March, 2011, the Woodlands, TX (Lunar and Planetary Institute).



S Asam, E Rowen, JA Tullis (2010) *Guide to developing land use/land cover maps for greenhouse gas inventories*, ICF International Report, USEPA: Washington DC, 36 pages.

BE Gorham, JA Tullis (2010) *ArkansasView Annual Report (2008-2009)*, AmericaView Progress Report, USGS: EROS Data Center, SD 9 pages.

A Apon et al, JA Tullis (2010) *Cyberinfrastructure for transformational scientific discovery*, NSF CI-TRAIN Report Sections on Activities and Findings, NSF: Washington, CD, 43 pages.

JA Tullis, JS Jones, AT Lingelbach, JM Defibaugh y Chavez, FM Stephen (4/26/2010) *LIDAR and spectral interpretation of decadal changes in the Ozark National Forest*, ASPRE 2010 Annual Convention, San Diego, CA (American Society for Photogrammetry and Remote Sensing, Bethesda, MD).

X Xie (2010) *Stratigraphic variation in the fluvial system of the Williams Fork Formation, Piceance Basin: meandering, braided, or something else?*, William Fork Consortium Phase V year meeting at CU Boulder.

X Xie (2010) *Regional provenance study of Eocene clastic sedimentary rocks within the South America-Caribbean plate boundary zone using detrital zircon geochronology*, Earth and Planetary Science Letters 291-159-171.

#### Presentations and Abstracts

JV Brahana, D Pennington, and RK Davis, 2010, *Is it possible to predictively model shallow karst aquifers at a meaningful scale?*: Geological Society of America Abstracts with Programs, v. 42, no. 4.

JV Brahana, and D Pennington, 2010, *Role of lithology and structure on regional ground-waterflow to large springs of the Ozark Plateaus, Midcontinent U.S.*: Geological Society of America Abstracts with Programs, v. 42, no. 6.

RK Davis, JV Brahana, and G Thoma, 2010, *Development and implementation of tracers for use at the field macroscale to elucidate aquifer flowpaths and storage reservoirs and quantify aquifer hydraulic properties*: Geological Society of America Abstracts with Programs, v. 42, no. 4.

D Pennington and JV Brahana, 2010, *A new hydrograph-decomposition methodology for karst springs with recession coefficients that increase with time*: Geological Society of America Abstracts with Programs, v. 42, no. 6.

SK Boss, 2010, *Potential of the iPhone 3GS as a field mapping instrument*: Geological Society of America Annual Meeting Abstracts with Programs, v. 42.

T Messadi, SK Boss, C Gattis, K La Scola-Needy, G Benton, M Matlock, J Popp, K Fitzpatrick and H Pittman, 2010, *A multi-disciplinary model for an undergraduate minor in sustainability*: American Association for Sustainability in Higher Education Annual Conference, 10-12 October 2010, Denver, CO.

S Hausmann, R Bhattacharya, JB Hubeny, JL Black, SK Boss, and E Brown (2009) *Floodplain Lake Sediments as Flood Archives*, Association of American Geographers (AAG), Focus: Climate Change, Washington DC, April 2010.

S Hausmann, R Bhattacharya, B Hubeny, S Boss, J Black, E Brown (2010) *Flood Reconstruction Using a MultiProxy Approach for Oxbow Lake Sediments in the Lower Mississippi Valley*, International Past Global Change (PAGES) Floodplain Lake Workshop, Fayetteville, AR September 17, 2010.

R Bhattacharya, S. Hausmann, B. Hubeny, S Boss and J. Black (2010) *Diatom Based Transfer Function to Explore Oxbow Lake Sediment as Archives of Past Flood Events in the Lower White River, Lower Mississippi Valley, South eastern Arkansas*, International Past Global Change (PAGES) Floodplain Lake Workshop, Fayetteville, AR September 17, 2010.

B Winston, TJ Scott, S Hausmann, R Morgan, S Boss, R Davis, R Green (2010) *Influence of precipitation on algal taste and odor production at Beaver Reservoir, NWA*, NABGG Annual technology conference “Unearthing Future Geoscientists” San Antonio, September 8-11, 2010.

JV Brahana, D. Pennington and RK Davis (2010) *Is it possible to predictively model shallow karst aquifers at a meaningful scale?:* GSA Abstracts with Programs, v. 42, no.4.

JV Brahana, and D. Pennington (2010) *Role of lithology and structure on regional ground-water flow to large springs of the Ozark Plateaus, Midcontinent US:* GSA abstracts with Programs, v. 42, no. 6.

RK Davis, 2010, Introductory Geosciences Student Assessment: What They Know Upon Arrival - What They Gained by Course End?: Geological Society of America, Annual Meeting (31 October –3 November 2010, Denver, Colorado.

RK Davis, JV Brahana and G. Thoma (2010) *Development and implementation of tracers for use at the field macroscale to elucidate aquifer flowpaths and storage reservoirs and quantify aquifer hydraulic properties:* GSA Abstracts with Programs, v. 42, no. 4.

D Pennington, and JV Brahana (2010) *A new hydrograph-decomposition methodology for karst springs with recession coefficients that increase with time:* GSA Abstracts with Programs, V. 42, no. 6.

FM Davidson (12/6/2010) *Geopolitics, film and the maintenance of hegemony*, St. John’s University, Rome, invited.

G Dumond, ML Williams, P Goncalves, MJ Jercinovic (11/3/2010) *On the role of garnet in continental lower crust*, GSA Abstracts with Programs, vol. 42, no. 5, p.566.

ML Williams, G Dumond, KH Mahan, MJ Jercinovic (11/2/2010) Tectonic interpretation of P-T pats: Integrating deformation, metamorphism and geochronology, GSA Abstracts with Programs, vol. 42, no. 5, p. 392.

SD Carlson, MJ Guccione (2010) *Short-term uplift rates along the Reelfoot Fault of the New Madrid Seismic Zone*, Geological Society National meeting, Denver, CO.

MJ Guccione (2010) *Variability of abandoned channel fills*, PAGES International Floodplain Lakes Workshop, Fayetteville, AR.

S Hausmann, R Hall and P Gell (5/3/2011) Meeting report: floodplain lakes: evolution and response, EOS Transactions, American Geophysical Union, Vol. 92, No. 18.

S Hausmann, R Bhattacharya, B Hubeny, S Boss, J Black, and E Brown (9/17/2010) *Flood reconstruction using a multiproxy approach for oxbow lake sediments in the lower Mississippi valley*, International Past Global Change (PAGES) Floodplain Lake Workshop, Fayetteville, AR.

R Bhattacharya, S Hausmann, B Hubeny, S Boss and J Black (9/17/2010) *Diatom based transfer function to explore oxbow lake sediment as archives of past flood events in the lower White river, Lower Mississippi valley, southeastern AR*, International Past Global Change (PAGAES) Floodplain Lake Workshop, Fayetteville, AR.

B Winston, TJ Scott, S Hausmann, R Morgan, S Boss, R Davis, R Green (9/8-11/2010) *Influence of precipitation on algal taste and odor production at Beaver Reservoir, NWA*, National Association of Black Geologists and Geophysicists (NABGG) Annual Technology Conference “Unearthing Future Geoscientists” San Antonio.

H Guyard, G St-Onge, R Pienitz, P Francus, G Clarke, B Zolitschka, P Lajeunesse, S Hausmann, V-P Salonen, M Lamothe (9/29-10/4/2010) *Late glacial and deglacial history of northernmost Ungava as revealed by Pingualuit Crater Lake (Nunavik, Canada) sediments: new insights from a late Pleistocene subglacial lake*, 18<sup>th</sup> International Sedimentological Congress, Mendoza, Argentina.

P Hays, SE Bolyard, S Hausmann and RL Vardy (11 2010) *Multiproxy characterization of water quality in karst springs of Eureka Springs, AR*, Geological Society of America (GSA), Denver annual meeting.

S Hausmann (11/2010) *Climate impact on a drinking water reservoir, NALMS (North American Lake Management Society)* 30<sup>th</sup> International Symposium The Water Cycle: Managing the Challenges in Water Resources, Oklahoma City.

L Schenk, PD Hays (3/2010) *Determination of the magnitude of mercury methylation in the water column of a high dissolved organic carbon river, lower Ouachita river, Union and Ashley counties, Arkansas*, GSA South Central Region.

PD Hays, SE Bolyard, S Hausmann, and RL Vardy (11/2/2011) *Multi-proxy characterization of water quality in karst springs of Eureka Springs, AR*, GSA Annual Meeting, Denver, CO.

J Laincz, PD Hays, B Winston, S Ziegler (2010) *Investigation of the fate of nitrate in the interflow zone of mantled karst*, Fourth Forensic Isotope Ratio Mass Spectrometry Network Conference Proceedings, Washington DC, p. 42.

PD Hays, SE Bolyard, R Miller (4/2010) *Occurrence of emerging contaminants in groundwaters of Eureka Springs, Arkansas*, Water Resources Conference, invited.

PD Hays, T Kresse (9/2010) *The relation of land use, geology, and karst features to groundwater quality in the Ozark mountains of northern Arkansas*, Ozark Summit, Tahlequah, Oklahoma, invited.

J Hehr, L Hehr (2/2010) *There's a full moon on the rise! Exploring NASA's field trip to the moon*, Space Exploration Educators Conference, Johnson Spaceflight Center.

J Hehr, L Hehr (3/2010) *Global warming? Global cooling? Climate change? What's a teacher to teach?*, National Science Teachers Association Annual Meeting, Philadelphia, PA.

J Hehr, L Hehr (3/2010) *K-4 Elementary Globe*, National Science Teachers Association Annual Meeting, Philadelphia, PA.

J Hehr (11/2010) *Climate change – fact or fiction?*, Arkansas Curriculum Conference Annual Meeting.

JC Cothren, D Goodmaster, A Barnes, E Ermenwein, A Vranich, WF Limp, A Payne (2010) *Fusion of 3-dimensional data at Tiwanaku: an approach to spatial data integration*, Proceeding of the 36<sup>th</sup> Annual Conference on Computer Applications and Quantitative Methods in Archaeology, On the Road to Reconstructing the Past, Budapest.

FW Limp (2010) *Towards a strategy for evaluating heritage visualizations*, Frischer, B (ed) Proceedings, Making History Interactive, 37<sup>th</sup> Annual Conference on Computer Applications and Analytical Methods in Archaeology.

FW Limp (3/8/2010) *Seeing into the past: new approaches to recording and visualizing the world's heritage*, Northwest University, Xi'an, China.

FW Limp (3/11/2010) *Seeing into the past: new approaches to recording and visualizing the world's heritage*, Chinese Academy of Social Sciences, Institute of Archaeology, Beijing, China.

FW Limp (3/12/2010) *Seeing into the past: new approaches to recording and visualizing the world's heritage*, Institute of Archaeology, Beijing, China.

FW Limp (3/15/2010) *Seeing into the past: new approaches to recording and visualizing the world's heritage*, Shandong Province Heritage Agency, QuFu, China.

TR Paradise (2011) *Illustrated Atlas of Arkansas*, Butler Center Publishing with the Institute of Arkansas Studies, in collaboration with the University of Arkansas' Diane Blair Center.

D Stahle (3/3/2010) *North American Drought*, keynote speaker, 8<sup>th</sup> Annual Climate Prediction Applications Science Workshop, Managing Water Resources and Drought in a Changing Climate, National Weather Service and the California Department of Water Resources, San Diego, CA.

D Stahle (4/14-18/2010) *A new 1,238-year precipitation reconstruction for central Mexico*, Documenting, Understanding, and Projecting Changes in the Hydrological Cycle in the American Cordillera, Inter-American Institute for Global Change Research, Research Network 2047, Third Science Meeting, Valdivia, Chile.

D Stahle (6/2010) *Long Montezuma baldcypress tree-ring chronologies in Mesoamerica*, World Dendro 2010, 8<sup>th</sup> International Conference on Dendrochronology, Rovaniemi, Finland.

D Stahle (8/4/2010) *Ancient baldcypress and bottomland hardwood forests in the southeastern United States*, Reconstruction of Climate, Fire, and Forest Dynamics in Eastern North America, Ecological Society of America, Pittsburgh, PA.

D Stahle (12/12-17/2010) *Atlantic and Pacific influences on Mesoamerican climate over the past millennium*, Understanding Drought Variability, Forcing, and Feedbacks, American Geophysical Union, San Francisco.

JA Tullis (2/16/2010) *Software tools for geographic information systems*, CI-TRAIN cyberinfrastructure workshop series, University of Arkansas, Fayetteville, AR.

JA Tullis, JS Jones, PD Smith, FM Stephen (2011) *Online spatial decision support for insect hazard response*, Proceedings for AAG 2011 Annual Meeting, 12-16 April 2011, Seattle, WA .

JA Tullis, J Cothren, WF Limp, S Winters, M Williamson, A Payne (5/17/2010) *High performance computing, visualization and large geospatial data sets*, Cyberinfrastructure Days, Reynolds Center for Enterprise Development, University of Arkansas, Fayetteville, AR.

JA Tullis (12/9/2010) *Planetary Remote Sensing*, Arkansas Center for Space and Planetary Sciences, University of Arkansas, Fayetteville, AR.

A Chandler, D Zachry (4/12/2010) *Parthenon sandstone: a prominent new member of the Morrowan Bloyd formation, Pennsylvanian of north-central Arkansas*, South Central Section Meeting, GSA, Branson, MO.

JM Lynch, D Zachry (11/10/2010) *Tidal facies, middle Atoka formation, Arkoma basin, Arkansas*, 2010 Annual Meeting, GSA, Denver, CO.

Boss, Steve (PI), University of Arkansas Facilities Management: “The Institutional Demotechnic Index: A Comparison of Technological Energy Consumption at US Colleges and Universities, \$73,522 (year 3 of 3).

Boss, Steve, (PI), National Science Foundation: “Participant Support for the Annual Technical Conference of the National Association of Black Geologists and Geophysicists, 9-12 September 2009” \$36,345.

Boss, Steve (PI), National Science Foundation: “Supplemental Participant Support for the Annual Technical Conference of the National Association of Black Geologists and Geophysicists, 8-11 September 2010”, \$5,000.

PD Hays, RK Davis, JV Brahana and S Boss (2/2009-6/2011) *Determination of the magnitude of mercury methylation in the water column of a high DOX river, Lower Ouachita River, Union and Ashley Counties, Arkansas*, USGS 104B, \$19,800.

\$15,000 for *Reconnaissance Survey of Spring Water Chemistry in the Ouachita Mountains, AR*, from the Arkansas Natural Resources Commission. Kenneth Steele (PI) and Darrell Pennington (graduate assistant). 10/1/2009-9/30/2010.

\$3000 GSA grant for student research awarded to Kathy Knierim (5/2011).

Banerjee, Cothren, Parkinson (9/1/2011-8/30-2013) *CSR: Small self-sustainable solar-powered emergency mesh design*, NSF, \$484,465.

Apon, Cothren, Pulay, Bellaiche, Tullis (9/1/2010-8/31/2012) or (1/1/2010-12/31/2012) *MRI-R2: Acquisition of an integrated computational instrument for research and education*, NSF, \$900,000.

Cothren, Culpepper (10/18/2010-9/30/2011) *Arkansas Natural Resource Assessment*, Natural Resource Conservation Service, USDA, \$70,000.

Cothren, Williamson (10/1/2010-9/30/2012) *Acquisition of LiDAR data for the completion of the Bayou Meto Conservation Service*, USDA\$200,000.

Cothren, Limp, Apon (1/15/2010-1/14/2011) *CI-TRAIN matching funds for the EPSCOR track II*, NSF project, \$69,444.

Cothren, *Development of a digital terrain model for the Bayou Meto Watershed*, USGS/AR Natural Resources Commission, \$45,000.

Cothren (10/1/2010-9/30/2012) *Renewable energy visual evaluations*, Bureau of Ocean Energy Management, Regulation, and Enforcement, \$340,768.

Casana, Cothren, Tullis (7/1/2010-6/30/2013) *Settlement systems for environmental change in the northern fertile crescent*, NASA, \$310,976.

Smith, Cothren (3/1/2010-2/28/2011) *Border crossings and terrorist attacks on the US: lessons for protecting against terrorist attacks*, DHS/START Center, University of Maryland, \$35,112.

Cothren, Williamson (6/17/2010-6/30-2011) *Geospatial and visualization support and training for the EAST initiative*, \$189,159.

Limp, Cothren, Culpepper (10/1/2010-9/30/2011) *Rural geospatial applications: FY2010*, USDA/Penn State, \$128,000.

Cothren, Williamson (6/17/2010-3/31/2011) *Visual impact risk decision support system development*, DOW/Argonne National Lab, \$50,554.

Cothren, Culpepper, *Automated agricultural use extraction using NAIP*, Arkansas Geographic Information Office, \$16,820.

F. Davidson and W Hogan (2010-2011) *The political fate of ETA*, SILO-SURF, \$2,650.

F Davidson, K Shreves (2009-2010) Internal immigration trends in the new EU, HCURA, \$2,650.

RK Davis (3/15/2011- 3/14/2014) REU Site: Assessment and Sustainable Management of Ecosystem Services, National Science Foundation, Research Experience For Undergraduates Program , \$256,965, PI: M. Matlock: Co-I R. Davis, S. Boss, J. Popp, M. Evans-White.

RK Davis (1/1/2011-6/30/2012) *Groundwater quality assessment in the area overlying the Fayetteville shale gas play in central Arkansas*, Southwestern Energy Company, Inc., \$42,276.

RK Davis (3/15/2010-4/30/2011) *Tribal response program*, Santee Sioux Office of Environmental Protection 128(a), \$31,265.

P Guccione (2009) *Geologic map of the Highland Mountains/McCarney Mountain boundary*, USGS, \$40,122.

S Hausmann (2010) *International Floodplain Lakes Workshop* in Fayetteville, Arkansas, NOAA, US and Swiss NSF through Past Global Changes (PAGES) and UA Vice Provost for Research-Dr. Geren, \$10,000.

S Hausmann (2010) *Grant-writing workshop for Adapting Agriculture in Arkansas Delta for Water, Sustainability under Changing Climate*, USDA Extension service, \$1500.

S Hausmann (2011) NSF Project 08855331 *REU SITE Assessment and sustainable management of ecosystem services*, renewed.

PD Hays (3 years) Subsurface phosphorus transport in riparian floodplains: mapping and monitoring subsurface paleochannels, Fox, Garey, Oklahoma State University, UA total \$32,000, UA Stable Isotope Lab \$14,300.

PD Hays, RK Davis, JV Brahana, S Boss, Determination of the magnitude of mercury methylation in the water column of a high-DOC river, lower Ouachita River, Union and Ashley Counties, Arkansas, USGS 104G, \$19,800.

J Cothren, F Limp (2009-2011) *ArQUAS, HiResArkansas and AARMS III*, Arkansas Legislature, \$262,500.

F Limp, A Payne (2009-2010) *3D visualization and interpretation of the Prairie Grove Battlefield: a program to expand community involvement in preservation through education*, Arkansas Natural and Cultural Resources Commission, \$83,000.

J Cothren, G Thoma, F Limp (2009-2012) *The environmentally friendly drilling systems program-deployment of information and decision support website Jackson*, USDOE Houston Advanced Research Center, \$433,0559.

F Limp, J Cothren, B Culpepper (2009-2010) *RGIS MidSouth*, USDA CSREES, \$129,278.

F Limp, A Payne ( 2009-2010) *Strategies for developing a next-generation virtual museum using close range scanning*, Mellon Foundation and Internet Archaeology Journal, \$6,600.

A Apon, F Limp, D Speriot, L Bellaiche (2009-2012) *Cyberinfrastructure for transformational scientific discovery in Arkansas and West Virginia (CI-TRAIN)*, NSF, \$3,370,951.

J Cothren, G Thoma, F Limp (2009-2010) *Fayetteville shale support and information system*, US DOE, \$620,736.

D Stahle (2008-2011) *Mesoamerican dendroclimatology: climate dynamics and socioeconomic impacts*, NSF, \$345,000.

D Stahle (2009-2010) *Millennium-long reconstructions of cool and warm season precipitation over the southeastern and southwestern United States*, NOAA, \$153,345.

D Stahle (2006-2010) *Hydrological variability in the Americas*, Inter-American Institute for Global Change Research.

D Stahle, C Woodhouse (2008-2010) *North American monsoon*, NSF Paleoclimate Perspectives on Climate Change, \$15,000.

F-Z Teng (4/2010-4/2011) *Magnesium and iron isotopic investigation of lunar samples*, Arkansas Space Grant Consortium, \$11,400.

TJ Kring, FM Stephen, RW Wiedenmann, JA Tullis (5/17/2010-5/16/2012) *Biological control of spotted knapweed in the southeastern US*, US Forest Service, \$75,000.

JA Tullis, BE Gorham (9/30/2010-6/30/2011) *ArkansasView: expanding the use and value of remote sensing through education, research, and outreach*, USGS and AmericaView, \$24,500.

JA Tullis, BE Gorham, WF Limp, *ArkansasView: Expanding the use and value of remote sensing through education, research and outreach*, USGS and AmericaView, \$207,141.

FM Stephen, JA Tullis, *Applied silvicultural assessment (III) of upland oak-hickory forests and the red oak borer in the Ozark and Ouachita mountains of Arkansas*, built in situ and remote sensing-assisted decision support for red oak borer hazard response; emphasize GIS and we-based integration and conveyance of findings to the public using an online spatial decision support system, \$205,000.

J Casana, JC Cothren, JA Tullis, *Settlement systems and environmental change in the northern fertile crescent, extract archaeological sites in the fertile crescent using pre-processed spy satellite imagery and monitor climate and agricultural dynamics with NASA sensors*, \$310,976.

## HISTORY

### Books Published:

Alessandro Brogi, *Confronting America: The Cold War between the United States and the Communists in France and Italy, 1944-1991* (University of North Carolina Press, June 2011)

Lynda Coon, *Dark Age Bodies: Gender and Monastic Practice in the Early Medieval West* (University of Pennsylvania Press, January 2011)

Benjamin Grob-Fitzgibbon, *Imperial Endgame: Britain's Dirty Wars and the End of Empire* (Palgrave Macmillan, May 2011)

Tricia Starks and Matthew Romaniello (editors), *Tobacco in Russian History and Culture: The Seventeenth Century to the Present* (London/N.Y.: Routledge, 2011 paperback edition)

Charles Robinson, *Forsaking All Others: A Story of Interracial Love, Betrayal, and Revenge in the Post-Civil War South* (University of Tennessee Press, December 2010)

Charles Robinson (co-editor), *Remembrances in Black: African American Perspectives on the Desegregation of the University of Arkansas, 1948-2000s* (University of Arkansas Press, December 2010)

*Books under Contract:*

Robert Finlay, *Weaving the Rainbow: Visions of Color in World History* (University of California Press, forthcoming 2013)

Beth Schweiger, *Reading before Literacy: Southern Readers and Writers in the Early Nineteenth Century* (Yale University Press, forthcoming 2013)

Kathryn Sloan, *Women's Roles in Latin America and the Caribbean* (ABC-CLIO/Greenwood, forthcoming 2011)

Daniel Sutherland, *Rules of Rebellion: Guerrilla Warfare during the American Civil War* (Westport, Conn.: Praeger, forthcoming 2011)

Daniel Sutherland (co-author with Michael Fellman and Lesley Jill Gordon), *This Terrible War: The American Civil War and its Aftermath* (New York: Longman, 2003; third edition in the works)

Elliott West, *Creating the West: The American West from 1850-1900* (University of Nebraska Press, forthcoming 2012)

Elliott West, *The Essential West* (Oklahoma University Press, forthcoming 2012).

Jeannie Whayne, *Delta Empire: Lee Wilson and the Making of Post-Civil War Southern Agriculture* (Louisiana State University Press, forthcoming 2011)

Jeannie Whayne, Angela Maxwell, and Todd Shields (eds.), *The Ongoing Burden of Southern History: Politics and Identity in the Twenty-first Century South* (Baton Rouge: LSU Press, 2013)

Calvin White, Jr. *They Shouted and Danced into Obscurity: A History of The Black Holiness Movement, 1897-1961* (University of Arkansas Press, forthcoming 2012)

Randall Woods, *America's Jesuit: William Egan Colby and the C.I.A.* (New York: Basic Books, forthcoming, 2012)

Randall Woods, *John Quincy Adams: Apostle of the American Empire* (Oxford University Press, forthcoming 2015)

Journal Articles:

Andrea Arrington, "Making Sense of Martha: Single Women and Mission Work," *Social Sciences and Missions* 23 (August 2010)

Andrea Arrington, "Competing for Tourists at Victoria Falls: A Historical Consideration of the Effects of Government Involvement," *Development Southern Africa* 27 (December 2010)

Alessandro Brogi, "France, Italy, the Communists, and the Prague Spring," in Günter Bischof, Peter Ruggenthaler, Stefan Karner (eds.), *The Prague Spring and the Warsaw Pact Invasion of Czechoslovakia in 1968* (New York: Rowman & Littlefield, 2010)



Alessandro Brogi, "Fanfani e l'unilateralismo Americano nel Mediterraneo" in Agostino Giovagnoli and Silvano Tosi (eds.), *Fanfani e la politica estera italiana* (Venice: Marsilio, 2010)

Liang Cai, "Who Said 'Confucius Composed Chunqiu?': The Genealogy of the 'Chunqiu' Canon in the pre-Han and Han Periods," *Frontiers of History in China* 5/3 (2010): 363-385

James Gigantino, "Trading in Jersey Souls: New Jersey and the Interstate Slave Trade," *Pennsylvania History: A Journal of Mid-Atlantic Studies* 77/3 (Summer 2010): 281-302

Joel Gordon, "Mother of the Silver Screen," *Mediterraneans* 15 (2011), 231-33

Benjamin Grob-Fitzgibbon, "Intelligence and Counter-Insurgency: Case Studies from Ireland, Malaya and the Empire," *RUSI Journal* (March 2011)

Benjamin Grob-Fitzgibbon, "Aliens in Our Midst: Rethinking the College Survey," *Teaching in Higher Education* (spring 2011)

Elizabeth Markham and Rembrandt Wolpert, "Developing a NeumeScribe for Sino-Japanese Musical Notations," *Chung-Hwa Buddhist Journal* (2010): 167-182

Elizabeth Markham, "Conceptualizing Musical Space for Ritual 'Afterlife Music' in Early Japanese Buddhist Liturgy," *CHIME: Journal of the European Foundation of Chinese Music Research* 18/19 (2010): 83-100

Michael Pierce, "Great Women All, Serving a Glorious Cause: Freda Hogan Ameringer's Reminiscences of Socialism in Arkansas," *Arkansas Historical Quarterly* 69 (Winter 2010): 293-324

Beth Schweiger, "A Social History of English Grammar in the Early United States," *Journal of the Early Republic* 30 (Winter 2010): 533-55

Richard Sonn, "Jews, Expatriate Artists, and Political Radicalism in Interwar France," *Proceedings of the Western Society for French History* (2010)

Elliott West, "The Nez Perce and Their Trials: Re-thinking American's Indian Wars," *Montana: The Magazine of Western History* 60/3 (Autumn 2010): 56-63

Elliott West, "Dreamweaver," *American History* (December 2010): 56-63

Elliott West, "Soothsayer" [on Sitting Bull as holy man], *American History* 46:3 (June 2011): 28-35

Elliott West, "Impact of Horse Culture," *History Now: Publication of the Gilder Lehrman Institute of American History* (June 2011)

Rembrandt Wolpert, "Táng Music Theory of Ritual Calendrical Transposition Applied," *CHIME: Journal of the European Foundation of Chinese Music* 18/19 (2010): 67-82

#### Chapters in Edited Volumes:

Robert Finlay, "How Not to (Re)Write World History: Gavin Menzies and the Chinese Discovery of America," in Larry Madaras and James Sorelle (eds.), *Taking Sides: Clashing Views in United States History, Vol. 1: The Colonial Period to Reconstruction*, 14<sup>th</sup> edition (New York: McGraw-Hill, 2010)

Joel Gordon, "Egypt since 1919," in Francis Robinson (ed), *New Cambridge History of Islam: Vol. 5, The Islamic World in the Age of Western Dominance* (Cambridge: Cambridge University Press, 2010), pp. 372-401

Beth Schweiger, "Seeing Things: Knowledge and Love in History," in Fea, Green, and Miller (eds.), *Confessing History* (University of Notre Dame Press, 2010), 60-80

Kathryn Sloan, "The Penal Code of 1871: From Religious to Civil Control of Everyday Life," in William H. Beezley (ed.), *A Companion to Mexican History and Culture* (Malden, MA: Blackwell Publishers, 2011), pp. 302-315

Daniel Sutherland, "No Better Officer in the Confederacy: The Wartime Career of Daniel C. Govan," in Lawrence Hewitt (ed.), *Confederate Generals in the Western Theater* (Knoxville: University of Tennessee Press, 2010)

Daniel Sutherland, "The Civil War Career of General James Abbott Whistler," in Stephen Berry (ed.), *Weirding the Civil War: The American Civil War in Microcosm* (Athens: University of Georgia Press, 2011)

Daniel Sutherland, "The Union's Counter Guerrilla War, 1861-65," in Peter Mansoor (ed.), *Hybrid Warfare: The Struggle of Military Forces to Adapt to Complex Opponents from the Ancient World to the Present* (Cambridge: Cambridge University Press, 2011)

Daniel Sutherland, "Civil War Guerrillas," in Susan O'Donovan (ed.), *Teaching the Civil War in the Twenty-First Century* (New York: National History Day Commission, 2011)

Elliott West, "Chief Joseph and the Challenge of Indian Leadership," in Walter Isaacson (ed.), *Profiles in Leadership: Historians on the Elusive Quality of Greatness* (New York: W. W. Norton, 2010)

#### Encyclopedia Entries:

Alessandro Brogi, "Anti-Americanism," in Silvio Pons and Robert English (eds.), *A Dictionary of Twentieth-Century Communism* (Princeton: Princeton University Press, 2010)

Liang Cai, "Social Structures of Warring States," in Alfred J. Andrea (ed.), *World History Encyclopedia* (Santa Barbara, Cal.: ABC-Clio, 2011)

James Gigantino, "Northern Slavery" and "Middle Colonies," in Leslie Alexander and Walter Rucker (eds.), *Encyclopedia of African American History* (Santa Barbara, Cal.: ABC-Clio, 2010)

#### Book Reviews:

Alessandro Brogi, review of Simona Tobia, *Advertising America: The United States Information Service in Italy (1945-1956)* (Milan: LED, 2008) in *The Journal of Cold War Studies* (2010)

Alessandro Brogi, review of Silvio Pons, *Berlinguer e la fine del comunismo* (Turin: Einaudi, 2006) in *Journal of Cold War Studies*, 13/3 (Summer 2011)

Liang Cai, review of Philippe Forêt and Andreas Kaplony (eds.), *The Journey of Maps and Images on the Silk Road* in the *International Journal of Middle East Studies* 42 (2010): 323-324

Robert Finlay, review of Kris Lane, *Colour of Paradise: The Emerald in the Age of Gunpowder Empires* (New Haven, Conn.: Yale University Press, 2010) in *Journal of World History* (2010)

Robert Finlay, review of Jack Goody, *Renaissances: The One or the Many?* (Cambridge: Cambridge University Press, 2010) in the *Journal of Social History* (2010)

Robert Finlay, review of Leonard Blussé, *Visible Cities: Canton, Nagasaki and the Coming of the Americans* (Cambridge, Mass.: Harvard University Press, 2010) in *Journal of Asian History* (2010)

James Gigantino, review of C. S. Manegold, *Ten Hills Farm: The Forgotten History of Slavery in the North* (Princeton: Princeton University Press, 2009) in *Common Place* 10/4 (July 2010)

Joel Gordon, review of Selim Nassib, *I Loved You for Your Voice* (Europa, 2006) in *Mediterraneans* 15 (2011), 344-47

Joel Gordon, review of Barbara H E Zollner, *The Muslim Brotherhood: Hasan al-Hudaybi and Ideology* (Routledge, 2009) in *International Journal of Middle East Studies* 43 (1) 2011, 147-48

Laurence Hare, review of Jeffrey C. Alexander, *Remembering the Holocaust: A Debate in International Social Science Review* 85 (November 2010)

Elizabeth Markham, review of A. Tokita-McQueen and D. W. Hughes (eds.), *The Ashgate Companion to Japanese Music* (London: Ashgate, 2008) in *Notes: Quarterly Journal of the Music Library Association* 66/3 (2010): 572-575

Michael Pierce, review of Theresa A. Case, *The Great Southwest Strike and Free Labor in American Historical Review* (April 2011): 465-466

Kathryn Sloan, review of Jane S. Jaquette (ed.), *Feminist Agendas and Democracy in Latin America* (Durham, N.C.: Duke University Press, 2008) in H-Latam Book Reviews (September 2010)

Tricia Starks, review of Kenneth M. Pinnow, *Lost to the Collective: Suicide and the Promise of Soviet Socialism, 1921-1929* in *Medical History* (2011)

Tricia Starks, review of Sharon A. Kowalsky, *Deviant Women: Female Crime and Criminology in Revolutionary Russia, 1880-1930* in *The Russian Review* 69 (October 2010), p. 721

Tricia Starks, review of Dean Healey, *Bolshevik Sexual Forensics: Diagnosing Disorder in the Clinic and Courtroom, 1917-1939* in *Slavic Review* 69 (fall 2010)

Jeannie Whayne, review of Joe L. Cocker, *Liquor in the Land of the Lost Cause: Southern White Evangelicals and the Prohibition Movement* (Lexington: University Press of Kentucky) in *Louisiana History* (2010)

Jeannie Whayne, review of Jarod Roll, *Spirit of Rebellion: Labor and Religion in the New Cotton South* (Urbana-Champaign: University of Illinois Press, 2010) in *Labor History* (2010)

#### Plenary Lectures:

Daniel Sutherland, "The Seven O'Clock Lecture," Society of Civil War Historians, Charlotte, North Carolina (November 2010)

Elliott West, "South Meets West: The Greater Reconstruction," Arkansas Association of College History Teachers," Little Rock, Arkansas (September 2010)

Elliott West, "Keynote," Society of Southwestern Archivists, Little Rock, Arkansas (May 2011)

#### Invited Papers:

Alessandro Brogi, "L'Italia e il Mediterraneo negli anni '50', Conference on the Mediterranean and Global Politics, Università degli Studi di Firenze and Craxi Foundation, Florence, Italy (December 2010)

Lynda Coon, "The Mandalas of Carolingian Abbot Hrabanus Maurus," Honors College Lecture Series, Minnesota State University Moorhead (October 2010)

Robert Finlay, "Porcelain as a Global Commodity," Medieval & Renaissance Center, SUNY Binghamton University, Binghamton, New York (October 2010)

Benjamin Grob-Fitzgibbon, "British Counterinsurgency in the Postwar Empire: An Overview," RUSI [Royal United Services Institute for Defense and Security Studies] Counterinsurgency Conference, "Frontline COIN: Linking Strategy to Tactics," in association with the British Afghan Counterinsurgency Centre (Land Warfare Centre) and the United States Counterinsurgency Center, RUSI, Whitehall, London (December 2010)

Benjamin Grob-Fitzgibbon, "Intelligence and Counterinsurgency: Case Studies from Ireland, Malaya, and the Empire," Intelligence Studies Group, Department of War Studies, King's College, London (December 2010)

Kathryn Sloan, "Researching *Runaway Daughters*," Latin American Studies Colloquium, University of Oklahoma (November 2010)

Tricia Starks, "A Community in the Clouds: Advertising Tobacco, Gender, and Literation in Pre-Revolutionary Russia," Ohio State University Seminar in Russian, East European, and Eurasian History – Health and Environment (October 2010)

Daniel Sutherland, "The Significance of the Guerrilla War," Lecture Series on the American Civil War, University of Leiden, the Netherlands (March 2011)

Daniel Sutherland, "Guerrillas, Partisans, and Bushwhackers," Lecture Series on the American Civil War, Missouri Historical Society, St. Louis, Missouri (May 2011)

Daniel Sutherland, "Whistler, the Leylands, and Speke Hall," British and American Nineteenth-Century Historians Conference, Liverpool, England (October 2010)

Elliott West, "The West before Lewis and Clark: Three Lives," Colorado State Historical Society (September 2010)

Elliott West, "Indians and the Great Plains," Dallas Institute for Arts and Letters (December 2010)

#### Refereed Papers:

Andrea Arrington, "...more value to South Africa than all the diamonds ever found: Trans Colonial Schemes to Harness the Hydro-Electric Power of Victoria Falls," African Studies Association Conference, San Francisco, California (November 2010)

Lynda L. Coon, "Gender & Monastic Practice in the Carolingian West," American Historical Association Meeting, Boston, Massachusetts (January 2011)

James Gigantino, "Race, Rhetoric, and Republicanism: The Fate of Slavery in New Jersey," 27<sup>th</sup> Annual New Jersey History Conference: The New Jersey Forum, Monmouth University, Long Branch, New Jersey (November 2010)

James Gigantino, "Contested Free Soil: The Persistence of Slavery in the North?" Building an American Empire Conference, The Rothermere American Institute, University of Oxford, Oxford, United Kingdom (May 2011)

Benjamin Grob-Fitzgibbon, "Countering Insurgencies: The British Experience at the Empire of Empire: 36<sup>th</sup> International Commission of Military History (CIHM) Congress: Insurgency and Counterinsurgency: Irregular Warfare from 1800 to the Present, Amsterdam, the Netherlands (August – September 2010)

Laurence Hare, "Nationalism, Science, and the Search for Prehistoric Origins in Northern Europe," Annual Meeting of the Society for the Advancement of Scandinavian Study, Chicago, Illinois (April 2011)

Michael Pierce, "John McClellan, the Teamsters, and Biracial Labor Politics in Arkansas, 1947-1958," Mid-America Conference on History, University of Arkansas at Little Rock, Little Rock, Arkansas (September 2010)

Michael Pierce, "C. O. Haller and the Coming of the Civil War," Arkansas Historical Association Meeting, Little Rock, Arkansas (April 2011)

Michael Pierce, "Orval Faubus and the Rise of Anti-Union Populism in Wal-Mart Country," Southern Industrialization Workshop, Gulf Shores, Mississippi (June 2011)

Beth Schweiger, "A Social History of English Grammar in the Early U.S.," Organization of American Historians Annual Meeting, Houston, TX (March 2011)

Tricia Starks, "The Dangers of the Smoking Woman, 1900-2000," Association for Slavic, East European, and Eurasian Studies (ASEEES), Los Angeles, California (November 2010)

Jeannie Whayne, "Building it of Brick and Hollow Tile: Lee Wilson and Black Labour," University of Sussex's Rural History Conference, Brighton, England (September 2010)

Calvin White, "Memphis the Church of God in Christ: Religion and Economic Uplift in a New South City," The Association for the Study of African American History and Life (ASALH), Durham, North Carolina (October 2010)

Calvin White, "Memphis and The Church of God in Christ: The Intersections of Religion and Economic Uplift in a New South City," Southern Labor Historical Association in Atlanta, Georgia (April 2011)

#### Roundtables and Panel Presentations:

Liang Cai, "Government Policies and Cultural Practices in Geographical Perspective," Chinese History in Geographical Perspective Conference, Arkansas Studies Institute, Little Rock, Arkansas (February 2011)

Laurence Hare, "Politics and Ideology in Nazi Germany," Mid-America Conference on History, Little Rock, Arkansas (September 2010)

Michael Pierce, "Commemorating Lesbian, Gay, Bisexual, and Transgender History Month Panel," Human Resources, University of Arkansas (October 2010)

Beth Schweiger, Jeannie Whayne, Lisa Hinrichson, and Angie Maxwell, "The State of the South, Fulbright Colloquium: Integral Approaches to Knowledge (March 2011)

Daniel Sutherland, Chicago Civil War Roundtable, Chicago Illinois (February 2011)

Daniel Sutherland, "The Southern Way of War," panel at the Southern Historical Association Meeting, Charlotte, North Carolina (November 2010)

Calvin White, "Black Politics During American Reconstruction," The Mid-America Conference on History, Little Rock, Arkansas (September 2010)

#### Public Lectures:

Robert Finlay, "Porcelain Stories: From China to the World," Asian Studies Speaker Series, University of Arkansas, Fayetteville, Arkansas (September 2010)

Joel Gordon, public lecture series on revolution in the Middle East: Fayetteville Public Library, Fayetteville, Arkansas (October 2010); John Brown University, Siloam Springs, Arkansas (February 2011); Congregation Nahalat Shalom, Albuquerque, New Mexico (April 2011); Sandia Prep, Albuquerque, New Mexico (April 2011)

Laurence Hare, "Creating Nazi Archaeology: Professional Collaboration and International Scholarship," Annual Banquet and Initiation of the Iota Xi Chapter of Delta Phi Alpha, the National German Academic Honor Society, Fayetteville, Arkansas (April 2011)

Laurence Hare, "Germany Ascendant?" Arkansas Chapter of the Foreign Policy Association, Fayetteville, Arkansas (April 2011)

Kathryn Sloan, "The Women of Atenco and the Struggle for Gender Rights in Mexico," Amnesty International Public Lecture, University of Arkansas (April 2011)

Elliott West, "Lecture Series: Songs of the American West," University of Central Arkansas (March 2011)

Elliott West, "Lectures on the American West," Fayetteville High School (April 2011)

Elliott West, "The Last Indian War," Northwest Arkansas Community College (April 2011)

Jeannie Whayne, "Delta Perspectives: Artwork by Norwood Creech," and "Agriculture and the Landscape," Butler Center, Central Arkansas Library System, Little Rock, Arkansas (March 2011)

## **JOURNALISM**

### **I. Books**

### **II Book Chapters**

### **III. Articles Published/refereed journals**

Ignatius Fosu

Fosu, I. (2011). Exploring the potential of wireless technologies to accelerate universal Internet access in Ghana. *Telecommunications Policy*, 35, 494-504.

### **IV. Unrefereed publications and proceedings**

Hoyt Purvis

Northwest Arkansas Newspaper Group. Bi-monthly opinion column

### **V. Invited lectures**

Ignatius Fosu

Fosu, I. (2010, November). "Broadband costs and impact on universal Internet access: The case of Ghana." Presented at the annual meeting of the Southwest Education Council for Journalism and Mass Communication, Round Rock, Texas. (Won top six paper awards)

### **VI. Other lectures, papers, and oral presentations**

### **VII. Creative endeavors such as documentaries, recitals, concerts, shows, performances and comparable activities**

Larry Foley and Dale Carpenter

"Sacred Spaces: The Architecture of Fay Jones," a documentary film,

was distributed nationally to PBS stations by the National Educational Telecommunications Association. (Summer, 2011)

“Bridge to War Eagle,” a documentary film, was broadcast statewide by the Arkansas Educational Television Network. (Summer, 2011)  
Gerald Jordan  
Philadelphia Inquirer, Assigning Editor. Summer, 2010 and 2011.

VII. Creative endeavors such as documentaries, recitals, concerts, shows, performances and comparable activities

Bret Schulte  
“Looking Up” – a trend piece on digital advertising on the Web and across mobile devices, and what it means for the future of the news industry.  
American Journalism Review, Summer 2010. Pp. 32-37

“The Hacker, Off the Couch” – a profile on hacker journalist Brian Boyer. Columbia Journalism Review, Mar/Apr. 2011. Pp.10-11

“The Family Owner Rises Again” – an in-depth look at rise of family newspaper publishers as corporate ownership washes out of the industry.  
Columbia Journalism Review. May/June 2011. Pp. 17-18.

Dennis Kirkpatrick

SPIKE Television Network. 26 hour-long episodes for Zuffa, Inc. showcasing PRIDE Fighting Championships. 6-10-10 – 12-1 -10

LIVE SPORTS EVENT BROADCASTS:

CST Regional Television – Producer- Arkansas – LSU Football Telecast  
11-27-10

CST Regional Television– Producer- Oklahoma at Arkansas Women’s Basketball  
12-19-10

ESPN 2 National– Associate Producer — Tennessee at Arkansas Men’s Basketball  
1-8-11

SEC Network– Associate Director — Mississippi at Arkansas Men’s Basketball.  
2-5-11

SEC Network – Producer – 13 Telecasts of Arkansas Baseball.

Instituted new production techniques and introduced RazorVision Academy reporters.  
3-22-11 to 5-21-11

NCAA CHAMPIONSHIPS –

Turner Sports. National Webcast Producer--NCAA Division III Indoor Track Championship. 3-10 to 3-13-11

Turner Sports, National Telecast–NCAA Division III Women’s National Basketball Championship. 3-17 to 3-20-11

Turner Sports, National Telecast – NCAA Division III Outdoor Track Championships.  
5-25 to 5-28-11

**MATHEMATICAL SCIENCES**

## A. Books

## B. Chapters

1. Goodman-Strauss, Chaim, Tezzaliones, La Matematica, v. III, Einaudi, Milan
2. Harris, Edmund, Academic Prejudice and the Spirit of Humbleness in Common Knowledge: The Challenge of Transdisciplinarity EFPL Press 2011 Moira Cockell (Editor), Jerome Billotte (Editor), Frederic Darbellay (Editor), Francis Waldvogel (Editor)
3. Lanzani, Loredana, *Why I Became a Mathematician*, invited chapter contributor, essay collection by S. Krantz and F. Sottile (MAA publ.).

## C. Refereed Articles

1. Akeroyd, J., Ghatage P., Tjani, M., *Closed-range composition operators on  $A^2$  and the Bloch space*, *Integral Equations and Operator Theory*, 68 (2010), 503-517.
2. Dologea, D., Krueger, E., Al Faori, R., Mazur, YI, Henry, R., Arnold, Mark, Salamo G.J., *Multivalent ions control the transport through Lysenin channels*, *Biophys Chem*, v. 152, 2010, pp. 1-3.
3. Capogna, L., Pauls, S.D., Tyson, J., *Convexity and horizontal second fundamental forms for hypersurfaces in Carnot groups*, *Trans. American Math. Soc.* 362 (2010), 8, 4045-4062
4. Dingman, S., & Tarr, J. E. (2010). *Quantitative reasoning in the contemporary world, 1: The course and its challenges*. *Numeracy*, 3(2).
5. Madison, B. L., & Dingman, S.W. (2010). *Quantitative reasoning in the contemporary world, 2: Focus questions for the numeracy community*. *Numeracy*, 3(2).
6. Arnoux, Pierre; Furukado, Maki; Harriss, Edmund; Ito, Shunji; *Algebraic numbers, free group automorphisms and substitutions on the plane* *Trans. Amer. Math. Soc.* 363 (2011), 4651-4699
7. Dingman, S. & Madison, B. (2010) *Quantitative Reasoning in the Contemporary World 1: The Course and Its Challenges*. *Numeracy*, v.3, no.2, Article 4
8. Madison, B. & Dingman, S. (2010) *Quantitative Reasoning in the Contemporary World 2: Focus Questions for the Numeracy Community*. *Numeracy*, v.3, no.2, Article 5
9. Steen, Lynn Arthur and Madison, Bernard L. (2011) *Reflections on the Tenth Anniversary of Mathematics and Democracy*. *Numeracy*, 4 (1): Article 1.
10. Boresma, S., Diefenderfer, C., Dingman, S., and Madison B. *Quantitative Reasoning in the Contemporary World 3: Assessing Student Work*. *Numeracy*, 4 (2), to appear in summer, 2011
11. Petris, G., Petrone, S. (2011) *State Space Models in R*. *Journal of Statistical Software*, 41
12. Petris, G. (2010) *An R Package for Dynamic Linear Models*. *Journal of Statistical Software*, 36.
13. Rieck, Y. *Finite planar emulators for  $K4,5-4K2$  and  $K1,2,2,2$  and Fellows' Conjecture*. *European J. Combin.* 31 (2010), no. 3, 903-907
14. Anbarci, N., Boyd, John., Floehr, E., Lee, J., and Song, J.J. (2011) "Population and Income Sensitivity of Private and Public Weather Forecasting," *Regional Science and Urban Economics*, 41, 124-133.
15. Lee, K., Joo, Y., Song, J.J., and Harper, D.W. (2011) "Analysis of Longitudinal Zero-Inflated Count Data Using Marginal Models," *Computational Statistics and Data Analysis*, 55, 824-837
16. Sewell, D. and Song, J.J. (2010) "The effect of health care reform: testing the stability of systematic risk," *Journal of the Korean Data and Information Science Society*, 21, 945-950
17. Le, J.Y., Song, J.J., Wooming, A., Li, X., Zhou, H., and Kong, B.-W. (2010) "Transcriptional Profiling of Host Gene Expression in Laryngotracheitis Virus in Chicken Embryo Lung Cells with Laryngotracheitis Virus," *BMC Genomics*, 11:445
18. Tjani, Maria joint with Akeroyd, J., Ghatage, P., "Closed-range composition operators on  $A^2$  and the Bloch space. *Integral Equations Operator Theory* 68 (2010) no. 4, 503-517

## D. Unrefereed publications, proceedings

1. Madison, Bernard, Editor of MAA *Placement Test Program User's Guide*, 7<sup>th</sup> Edition, 2010, Mathematical Association of America, Washington, DC



2. Madison, Bernard, College Ready White Paper: Articulation Between School and College, College Ready Newsletter, 2011
3. Madison, Bernard, MAA/Maplesoft Placement Testing Package Expands, MAA Focus, 2011
4. Madison, Bernard (with Carlson, M. and West, Rich) Development of Calculus Concept Readiness (CCR) Examination MAA Focus, 2011
5. Rieck, Yo'av, (with Yasushi Yamashita) *The Link Volume of 3-manifolds Mathematics of Knots 3*, Kazuhiro Ishihara and Kimihiko Motegi (ed.), Nihon Univ., Dec. 2010
6. Song, J.J. and Kim, J.-M. (2011), "Bayesian Analysis of Randomized Response Sum Score Variables," *Statistics & Information Forum*, 26, pp.74

#### E. Invited Lectures

1. Capogna, L., Seminar Freie Uni (Berlin), Fall, 2010
2. Capogna, L., Conference on Mean Curvature Equation in Heisenberg Geometry, Academia Sinica, Taipei, Fall, 2010
3. Capogna, L., Analysis Seminar, Courant Institute, Spring, 2011
4. Capogna, L., Geometric Analysis Seminar, Princeton University, Spring, 2011
5. Capogna, L., Colloquium, Dartmouth, Spring, 2011
6. Capogna, L., Geometric Analysis Seminar, Columbia University, Spring, 2011
7. Capogna, L., Special session, *Special Session on Topics in Partial Differential Equations and Geometric Analysis*, AMS Sectional Meeting 1070, Spring, 2011
8. Capogna, L., Analysis Seminar, Temple University, Spring, 2011
9. Capogna, L., IMA Hot topics workshop, *Strain-Induced Shape Formation: Analysis, Geometry and Materials Science*, Spring, 2011
10. Madison, B. L., & Dingman, S. W. (2010, October) *Ten questions about developing & delivering a QR course*.
11. Dingman, S.W. Invited presentation at QuIRK Initiative & Project Kaleidoscope conference *Quantifying Quantitative Reasoning in Undergraduate Education: Alternative Strategies for the Assessment of Quantitative Reasoning*, Carleton College, Northfield, MN.
12. Goodman-Strauss, *Symmetry and Orbifolds*, Texas Undergraduate Conference in Mathematics, Tyler Texas, October 24, 2010.
13. Han, J., *Introduction to Cancer Clustering using SaTScan*, Statistical Research & Applications branch, NCI/NIH.
14. Han, J., ENAR (Eastern North American Region) International Biometric Society Meeting, March, 2011, *Optimizing maximum window size in scan statistics*, Miami, FL
15. Han, J., NAACCR (North American Association of Central Cancer Registries) June, 2011, *Optimizing maximum window size in scan statistics*, Louisville, KY
16. Harriss, E., *Substitutive Tiling and Fractal Geometry*, Sun Yat Sen University, Guangzhou, China, July 6, 2010
17. Harriss, E., *Finding Matching Rules*, University of Turku, Finland, July 21, 2010
18. Harriss, E., *The Mysteries of Aperiodic Tiling*, March 31, 2011
19. Harriss, E., Topology Seminar, University of Arkansas, *Self-Similar Piecewise Isometries*
20. Korth, D., Teaching Camp Presentation: *Academic Honesty*
21. Korth, D., Winter Teaching Symposium Presentation: *Testing Security*
22. Lanzani, L., *The Cauchy Integral in  $C^n$* , invited Analysis Seminar speaker, Columbia University
23. Lanzani, L., *The  $L^p$ -regularity problem for the Szego Projection*, invited plenary speaker, 2011 Midwest SCV Seminar, Washington University
24. Madison, B., Plenary presentation on CCSSM to Arkansas Association of Curriculum and Instruction Administrators and The Arkansas Department of Education Present 2010 Instructional Leaders Conference, Little Rock, AR, November 12, 2010
25. Madison, B., Led minicourse on Effective Placement in Mathematics at MathFest, August, 2010
26. Petris, G., *State Space models: current perspectives and future developments (parts I & II)*, May 7 and 9, 2011, Bocconi University, Milan, Italy

27. Raich, A., *Heat kernels, Gaussian decay and the Fourier transform*, Several Complex Variables Seminar, Texas A&M University, Feb., 2011
28. Raich, A., *How to study for graduate math classes and conduct research in mathematics*, Graduate Student Seminar, University of Arkansas, August, 2010
29. Rieck, Y., AMS regional meeting at the University of Iowa (March, 2010)
30. Rieck, Y., *Mathematics of Knots 3* (Tokyo, Japan, December, 2010)
31. Rieck, Y., Oklahoma State University (November, 2010)
32. Rieck, Y., Nihon University (July, 2010)
33. Schein, B., An invited keynote speaker at the International Meeting on Semigroups at the University of Kerala in Trivandrum, India. This was a Satellite Conference for the International Congress of Mathematicians that occurs every four years and took place in India in August, 2010. Gave four two-hour long lectures on current research in semigroup theory.

#### F. Other lectures, papers, oral presentations

1. Caputo, M.C. with Nestor Guillen, *Nonlocal Minimal Surfaces*
2. Dingman, S., Kent, L., Empson, S. & Baek, J. (2011, January). *Leverage points in teacher knowledge: Examining relationships between content knowledge and pedagogical content knowledge of practicing teachers*. Presentation at the Association of Mathematics Teacher Educators annual meeting, Irvine, CA.
3. Petris, G., *Online Detection of Outliers and Structural Breaks*, Joint Statistical Meetings, 2010, Vancouver, BC (Canada)
4. Petris, G., invited course *Time Series for Financial Applications*, Bocconi University, Milan, Italy. May, 2011 (14 hours)
5. Petris, G., invited course *Bayesian Analysis of State Space Models*, Bocconi University, Milan, Italy. May (June, 2011; 12 hours).
6. Bottje, W.G., Kong, B-W., Lee, J.Y., Song, J.J., Lassiter, K. and Wing, T. (2011) *Ingenuity Pathway Analysis of Feed Efficiency Microarray Data*, The International Poultry Scientific Forum, Atlanta, GA
7. Woodland, J., Contributed paper, *Grading on a Curve from the Hip*, OK/AR Section Meeting of the Mathematical Association of America, April 1, 2011
8. Woodland, J., Mathematics Presentation/Demonstration for approximately 100 students from J.O. Kelly Middle School, May 13, 2011

## **MUSIC**

### **I. Books, Published Compositions, CD's recorded, etc.**

Greeson, James. *Duly Noted, Southern Charm, Beach Bossa, Try Something Neu, Steep n. Deep, Sedentary Motion, Too Much, Trumpets Forever, Too Much of a Good Thing, Oreferred Blend, What's the Meaning of This? Make Mine Minor, Slam Dunk, and Jackpot* Guitar Chord Charts, Kendor Music (2010/11)

Margulis, Jura. *Liszt for Violin and Piano*. OEHMS Classics, 2011.

Lacy, Chris. *Three Mediterranean Landscapes for Flutes and Percussion*. Falls House Publishing, 2010.

Lacy, Chris. *Concerto for Bassoon and Wind Orchestra*. Trevco Music, 2011.

Lacy, Chris. *Three Victorian Songs, Three Love Songs*. Classical Vocal Reprints, 2011.

Pierce, Benjamin released a new solo CD, *Pierce Plays Bach* (2009). He has published a number of arrangements and original works from other composers by Ozarks Music Press.

## II. Chapters

Huron, D. & Margulis, E.H. (2010). Music, Expectancy, and Thrills. In P.N. Justin & J.A. Sloboda (Eds.), *Handbook of Music and Emotion: Theory, Research, Applications* (pp. 575-604). Oxford: Oxford University Press.

## III. Refereed articles

Gottlieb, B., Randles, C., Hagen, J. & Salvador, K. "Eminence in music education research as measured in the New Handbook of Research on Music Teaching and Learning." This coauthored article is in press in the refereed journal *Bulletin of the Council for Research in Music Education*.

Margulis, E.H., (2010). "When Program Notes Don't Help," *Psychology of Music*, 38, pp. 285-302.

Misenhelter, Dale. (2010). "The Asymmetrical Music Education Community" *Journal of National Federation of State High School Associations*. Reprint by permission.

Nedbal, Martin. "Preaching (German) Morals in Vienna: The Case of Mozart ad Umlauf," Czech Academy of Sciences, (March 2011).

## IV. Unrefereed articles and proceedings

Misenhelter, Dale. (2010). "A Difference, and Tension in Expectations." *Arkansas Music Educators Journal Segue* 32(1), p. 8-11.

Misenhelter, Dale. (2011) "Imagine: An Unfinished Music History," *Arkansas Music Educators Journal Segue* 33(1).

Pierce, Benjamin. "4:30 p.m. ITEA All-Star Ensembles," International Tuba/Euphonium Conference, Tucson, AZ.

## V. Invited Lectures and Refereed Research Presentations

Knighten, Jann and Knighten, Chris. "Score Study and Pedagogy," Oklahoma Music Educators Association. (January 2011)

Margulis, E.H. (October 1, 2010). "Some Theoretical and Empirical Approaches to Repetition in Music." Invited Talk, University of Texas, Austin, TX.

Margulis, E.H. (August 26, 2010). "Repetition Detection Across Multiple Exposures." International Conference on Music Perception and Cognition, Seattle, WA.

Margulis, E.H. (August 2, 2010). "Cognitive Science and Musical Performance." Invited Talk, International Summer Academy, Mozarteum, Salzburg, Austria.

Misenhelter, Dale. (2010). "Traditional and Non-Traditional Values and Expectations in Music Education: Evolving Perceptions of Importance." Presentation: International Society for Music Education International Conference Policy Commission, at Henan University in Kaifeng, China.

Misenhelter, Dale. "Perceptions of Compulsory Elementary Music on Cultural and Social Outcomes." Presentation: International Society for Music Education International Main Conference, in Beijing, China.

Misenhelter, Dale. (2010). "Underlying Social Structures in Music Education: Teacher Perceptions of Curricular Evidence Research." Roundtable presentation: American Educational Research Association Annual Conference, Denver, CO.

Misenhelter, Dale. (2011) "Importance and Intentionality: Teacher Perceptions of Compulsory Elementary Programs." Desert Skies Research Symposium, University of Arizona, Tucson, AZ.

Misenhelter, Dale (2011). "Undergraduate Self-Assessment of Internship Experiences and Pedagogical Preparation." Focus on Assessment Research Symposium, University of Bremen, Germany.

Nedbal, Martin (October 9, 2010) "Re-conceptualizing German Nationalism: Racial Stereotypes in German Treatises on Opera, 1700-1900" Annual Conference of the German Studies Association.

Pierce, Ben. "Preparing for Music Competitions," International Tuba/Euphonium Conference, Tucson, AZ. And presented at Baylor University, October 10.

Pierce, Ben. "Double Trouble." International Tuba/Euphonium Conference, Tucson, AZ.

Ragsdale, Chalon. "Percy Grainger: In His Own Words" Museum and Baillieu Library at University of Melbourne, October, 2010.

VII. Creative endeavors, concerts, shows, performances.

Faculty, students and alumni in the Fayetteville Jazz Collective play to a full house and stellar reviews.

Several music faculty continue to hold principal chairs and perform in the Arkansas Philharmonic, Symphony Orchestra of Northwest Arkansas, the Ft. Smith Symphony, and the Tulsa Symphony.

Fulbright Summer Chamber Concert Series (Music Faculty and guest artists)

Chamber Concerts by the Faculty, with guest artists

77 Degree recitals by students in music curricula

5 Non-degree recitals by students in music curricula

15 Faculty Recitals

Choral Concerts

Opera Productions

Schola Cantorum Concerts

Jazz Ensemble Concerts

University Symphony Orchestra Concerts

Wind Symphony Concerts

Symphonic Band Concerts

Concert Band Concerts

Inspirational Singers Concerts

Band Spectacular Concert

Percussion Ensemble Concerts

Football games for Men's Athletics

Basketball games for Men's and Women's Athletics

Volleyball games for Women's Athletics

## **PHILOSOPHY**

Jack Lyons (2010). Precis of Perception and Basic Beliefs. *Philosophical Studies*. Volume 153, Number 3, 443-446, DOI: 10.1007/s11098-010-9605-1

Jack Lyons (2010). Response to Critics, *Philosophical Studies*, *Philosophical Studies*. Volume 153, Number 3, 477-488, DOI: 10.1007/s11098-010-9605-1

Jack Lyons (2010). Review of Athanassios Raftopoulos, Cognition and Perception: How Do Psychology and Neural Science Inform Philosophy?. *Notre Dame Philosophical Reviews* 2010 (1).

Edward Minar (2010), "The Philosophical Significance of Meaning-Blindness," in William Day and Victor Krebs, eds., *Seeing Wittgenstein Anew* (Cambridge University Press), pp 183-203.

Irene McMullin (2011). Love and Entitlement: Sartre and Beauvoir on the Nature of Jealousy. *Hypatia* 26 (1):102-122.

Irene McMullin (2010). A Modest Proposal: Accounting for the Virtuousness of Modesty. *Philosophical Quarterly* 60 (241):783-807.

Thomas D. Senor (2011). "Drawing on Many Traditions: An Ecumenical Kenotic Christology." In Anna Marmodoro & Jonathan Hill (eds.), *The Metaphysics of the Incarnation*. Oxford University Press.

Thomas D. Senor (2011). Review of Paul K. Moser, The Evidence for God: Religious Knowledge Reexamined. *Notre Dame Philosophical Reviews* 2011 (1).

Thomas D. Senor (2010). On the Tenability of Brute Naturalism and the Implications of Brute Theism. *Philosophia Christi* 10 (2):273-280.  
Cosmological Arguments for Theism, Misc in Philosophy of Religion

Lynne Spellman, review of Andrew Radde-Gallwitz, *Basil of Caesarea, Gregory of Nyssa, and the Transformation of Divine Simplicity* (Oxford, 2009) in *Journal of the History of Philosophy*, Vol. 49, No 1, 117-118.

## PHYSICS

### Book Chapters Published

"Zhao Kaihua's Role in promoting scientific literacy in China," A. Hobson, *Memorial Volume for Zhao Kaihua's 80th Birthday*, 15-21 (2010).

"Zhao Kaihua's Role in promoting scientific literacy in China," A. Hobson, the preface to *Physics: Concepts and Connections* (Chinese translation of 4th edition, 2007), reprinted on 342-343.

"The Arkansas Galaxy Evolution Survey (AGES): Supermassive Black Holes in the Universe," M.S. Seigar, C.H.S. Lacy, D. Kennefick, J. Kennefick, *Co-Evolution of Central Black Holes and Galaxies*, Proc. IAU Symp. 267, eds. B. M. Peterson, R. S. Somerville & T. Storchi-Bergmann, (2010) p. 210.

### Books Published

*Coherent Control of Four-wave Mixing*, Yanpeng Zhang, Zhiqiang Nie, and Min Xiao, Springer & Higher Education Press (Beijing), 2011.

### Publications in Refereed Journals

- “Bridging Multiferroic Phase Transitions by Epitaxial Strain in BiFeO<sub>3</sub>,” I. C. Infante, S. Lisenkov, B. Dupe, M. Bibes, S. Fusil, E. Jacquet, G. Geneste, S. Petit, A. Courtial, J. Juraszek, L. Bellaiche, A. Barthelemy, and B. Dkhil, *Phys. Rev. Lett.* 105, 057601 (2010).
- “Lattice Dynamics in Ba<sub>0.7</sub>Sr<sub>0.3</sub>TiO<sub>3</sub>: Study by THz and IR Spectroscopy and Ab-initio Simulations,” T. Ostapchuk, J. Petzelt, P. Kuzel, M. Savinov, J. Hlinka, A. Tkach, P. Vilarinho, S. Lisenkov, I. Ponomareva and L. Bellaiche, *Phase Transitions* (2010).
- “Aqueous-phase Synthesis of Monodisperse Plasmonic Gold Nanocrystals Using Shortened Single-walled Carbon Nanotubes,” J.W. Kim, H.M. Moon, M. Benamara, J. Sakon, G.J. Salamo, V.P. Zharov, *Chem Comm.*, 46, 7142-7144 (2010).
- “Geometric Frustration in Compositionally Modulated Ferroelectrics,” N. Choudhury, L. Walizer, S. Lisenkov, L. Bellaiche, *Nature* 470, 513 (2011).
- “Band alignment tailoring of InAs<sub>1-x</sub>Sb<sub>x</sub>/GaAs Quantum Dots: Control of Type I to Type II Transition,” J. He, C. J. Reyner, B. L. Liang, K. Nunna, D. L. Huffaker, N. Pavarelli, K. Gradkowski, T. J. Ochalski, G. Huyet, V. G. Dorogan, Yu. I. Mazur, G. J. Salamo, *Nano Letters* 10, 3052 (2010).
- “Carrier transfer in the optical recombination of quantum dots,” D. F. Cesar, M. D. Teodoro, V. Lopez-Richard, G. E. Marques, E. Marega, V. G. Dorogan, Y. I. Mazur, and G. J. Salamo, *Phys. Rev. B* 8, 195307 (2011).
- “Alignment and optical polarization of InGaAs quantum wires on GaAs high index surfaces,” V. G. Dorogan, Zh. M. Wang, V. P. Kunets, M. Schmidbauer, Y. Z. Xie, M. D. Teodoro, P. M. Lytvyn, Y. I. Mazur, and G. J. Salamo, *Mat. Lett.* 65, 1427 (2011).
- “Comparative Model Study of Two-photon Deterministic Passive Quantum Logical Gates,” J. Gea-Banacloche and L. M. Pedrotti, *Phys. Rev. A* 83, 042333 (2011).
- “Local Electronic and Magnetic Studies of an Artificial La<sub>2</sub>FeCrO<sub>6</sub> Double Perovskite,” B. Gray, H. N. Lee, Jian Liu, J. Chakhalian, J. W. Freeland, *Appl. Phys. Lett.* 97, 013105 (2010).
- “Teaching Elementary Particle Physics: Part I,” A. Hobson, *Phys. Teach.* 49, 12-15 (2011).
- “Teaching Elementary Particle Physics: Part II,” A. Hobson, *Phys. Teach.* 49, 136-138 (2011).
- “Writing for Non-Scientists about Physics,” A. Hobson, *Phys. Teach.* 49, 298-299 (2011).
- “Comment on a Time-symmetric Formulation of Quantum Mechanics,” A. Hobson, *Phys. Today* 64, 8-9 (2011).
- “Measurement of ac-Stark Shift by a Two-photon Dressing Process via Four-wave Mixing,” H. Zheng, U. Khadka, J. Song, Y. Zhang, and M. Xiao, *Europhys. Lett.* 93, 23002 (2011).
- “Controlled Gating of Lysenin Pores,” D. Fologea, E. Krueger, R. Lee, M. Naglak, Y. Mazur, R. Henry, G. J. Salamo, *Biophys. Chem.* 146, 25 (2010).
- “Multivalent Ions Control the Transport through Lysenin Channels,” D. Fologea, E. Krueger, R. Al Faori, R. Lee, Yu. I. Mazur, R. Henry, M. Arnold, G. J. Salamo, *Biophys. Chem.* 152, 40-5 (2010).
- “Low Frequency Noise in InSb/GaAs and InSb/Si Channels,” J. Dobbert, L. Tran, F. Hatami, W. T. Masselink, V. P. Kunets, G. J. Salamo, *Appl. Phys. Lett.*, (2010).

“Carbon-covered Magnetic Nanomaterials and Their Application for the Thermolysis of Cancer Cells,” Y. Xu, M. Mahmood, A. Fejleh, Z. Li, F. Watanabe, S. Trigwell, R. B. Little, V. P. Kunets, E. Dervishi, A. R. Biris, G. J. Salamo, A. S. Biris, *Inter. J. Nanomedicine* 5, 167 (2010).

“Photovoltaic devices based on high density boron-doped single-walled carbon nanotube/n-Si heterojunctions” V. Saini, Z. R. Li, S. Bourdo, V. P. Kunets, S. Trigwell, A. Couraud, J. Rioux, C. Boyer, V. Nteziyaremye, E. Dervishi, A. R. Biris, G. J. Salamo, T. Viswanathan, and A. S. Biris, *J. Appl. Phys.* 109, 014321 (2011).

“Unusual Double-peaked Emission in the SDSS Quasar J093201.60 + 031858.7,” R. S. Barrows, C.H.S. Lacy, D. Kennefick, J. Kennefick, and M.S. Seigar, *New Astron.* 16, 122-127 (2011).

“IRTF Spectra for 17 Asteroids from the C and X Complexes: A Discussion of Continuum Slopes and Their Relationships to C Chondrites and Phyllosilicates,” D.R. Ostrowski, C.H.S. Lacy, K.M. Gietzen, & W.G. Sears, *Icarus* 212, 682-696 (2011).

“New Times of Minima of Some Eclipsing Variables,” C.H.S. Lacy, *IBVS* 5972, 1 (2011).

“Absolute Properties of the Eccentric Eclipsing Binary Star FT Orionis,” J.A. Sabby, C.H.S. Lacy, C. Ibanoglu, & A. Claret, *Astron. J.*, 141 (2011).

“An Investigation of the Presence and Nature of Phyllosilicates on the Surfaces of C Asteroids by an Analysis of the Continuum Slopes in the Near-infrared Spectra,” D.R. Ostrowski, K. Gietzen, C.H.S. Lacy, & D.W.G. Sears, *M&PS* 45, 615-637 (2010)

“Holed Nanostructures Formed by Aluminum Droplets on a GaAs Substrate,” A. Z. Li, Zh. M. Wang, J. Wu, G. J. Salamo, *Nano Research* 3, 490 (2010).

“Nanopore Fabrication in Amorphous Si: Viscous Flow Model and Comparison to Experiment,” H.B. George, Y. Tang, X. Chen, J. Li, J.W. Hutchinson, J.A. Golovchenko and M.J. Aziz, *J. Appl. Phys.* 108:1 (2010).

“The Distribution of DNA Translocation Times in Solid-state Nanopores,” J. Li and D.S. Talaga, *J. Phys.: Condensed Matter* 454129 (2010).

“Thomas-forbidden Particle Capture,” J.H. Carter and Michael Lieber, *J. Math. Phys.* 52, 062901 (2011).

“Visualizing Nanoscale Electronic Band Alignment at the La<sub>2/3</sub>Ca<sub>1/3</sub>Mn<sub>3</sub>/ONb:SrTiO<sub>3</sub> Interface,” T.Y. Chien, J. Liu, J. Chakhalian, N. Guisinger, J. W. Freeland, *Phys. Rev. B.: Rapid Commun.* 82 041101(R) (2010).

“Effect of Polar Discontinuity on the Growth of LaNiO<sub>3</sub> / LaAlO<sub>3</sub> Superlattices,” J. Liu, M. Kareev, S. Prosandeev, B. Gray, P. Ryan, J.W. Freeland, J. Chakhalian, *Appl. Phys. Lett.* 96 (2010).

“Quantum Confinement of Mott Electrons in Ultrathin LaNiO<sub>3</sub>/LaAlO<sub>3</sub> Superlattice,” J. Liu, S. Okamoto, M. van Veenendaal, M. Kareev, B. Gray, P. Ryan, J. W. Freeland, J. Chakhalian, *Phys. Rev. B* 83, 161102 (2011).

“Optical Study of Strained Ultrathin Films of Strongly Correlated LaNiO<sub>3</sub>,” M. K. Stewart, C. H. Yee, J. Liu, M. Kareev, R. K. Smith, B. C. Chapler, , K. Haule, M. Varela, P. Ryan, J. Chakhalian, and D. N. Basov, *Phys. Rev. B.* 83, 075125 (2011).

“Tunneling-barrier Controlled Excitation Transfer in Hybrid Quantum Dot-quantum Well Nanostructures,” Y.I. Mazur, V.G. Dorogan, E. Marega, Z.Y. Zhuchenko, M.E. Ware, M. Benamara, G.G. Tarasov, P. Vasa, C. Lienau, G. J. Salamo, *J. Appl. Phys.* 108, 074316 (2010).

“Measurement of Coherent Tunneling between InGaAs Quantum Wells and InAs Quantum Dots Using Photoluminescence Spectroscopy,” Y.I. Mazur, V. G. Dorogan, D. Guzun, E. Marega, G.J. Salamo, G.G. Tarasov, A.O. Govorov, P. Vasa, C. Lienau, *Phys. Rev. B* 82, 155413 (2010).

“In(Ga)As/GaAs(001) quantum dot molecules probed by nano-focus high resolution x-ray diffraction with 100nm resolution” M. Dubslaff, M. Hanke, M. Burghammer, S. SchÄoder, R. Hoppe, C.G. Schroer, Y.I. Mazur, Zh.M. Wang, J. H. Lee, G.J. Salamo, *Appl. Phys. Lett.* 98, 213105 (2011).

“Excited state coherent resonant electronic tunneling in quantum well-quantum dot hybrid structures,” Y. I. Mazur, V. G. Dorogan, E. Marega, M. Benamara, Z. Y. Zhuchenko, G. G. Tarasov, C. Lienau, G. J. Salamo, *Appl. Phys. Lett.* 98, 083118 (2011).

“Influence of template type and buffer strain on structural properties of GaN multilayer quantum wells grown by PAMBE, an x-ray study,” V. P. Kladko, A. V. Kuchuk, N. V. Safryuk, V. F. Machulin, P. M. Lytvyn, V. G. Raicheva, A. E. Belyaev, Y. I. Mazur, E. A. DeCuir, M. E. Ware, M. O. Manasreh, and G. J. Salamo, *J. Phys. D-Appl. Phys.* 44, 025403 (2011).

“Kittel Law in BiFeO<sub>3</sub> Ultrathin Films: a First-principles-based Study,” S. Prosandeev, S. Lisenkov, and L. Bellaiche, *Phys. Rev. Lett.* 105, 147603 (2010).

“Magnetoelectricity in BiFeO<sub>3</sub> Films: First-principles-based Computations and Phenomenology,” S. Prosandeev, Igor A. Kornev and L. Bellaiche, *Phys. Rev. B, Rapid Commun.* 83, 020102 (2011).

“Size Effects in Multiferroic BiFeO<sub>3</sub> Nanodots,” W. Ren and L. Bellaiche, *Phys. Rev. B* 82, 113403 (15 Sept. 2010). [also selected for the September 13, 2010 issue of *Virtual J. Nanoscale Sci. and Technol.*].

“Controlling Protein Translocation through Nanopores with Bio-inspired Fluid Walls,” E.C. Yusko, J.M. Johnson, S. Majd, P. Prangkio, R.C. Rollings, J. Li, J. Yang, M. Mayer, *Nature Nanotech.* 6, 253-60 (2011).

“Nonlinear Refraction and Absorption: Mechanisms and Magnitudes,” D. N. Christodoulides, I. C. Khoo, G. J. Salamo, G. I. Stegeman, S. Van, W. Eric, *Adv. in Opt. and Photonics* 2, 60 (2010).

“Understanding Cavity Resonances with Intracavity Dispersion Properties,” J. Sheng, H. Wu, M. Mumba, J. Gea-Banacloche, and M. Xiao, *Phys. Rev. A* 83, 023829 (2011).

“Generation of Bright Quadricolor Continuous-variable Entanglement by Four-wave Mixing Process,” Y.B. Yu, J. Sheng, and Min Xiao, *Phys. Rev. A* 83, 012321 (2011).

“Nonclassicality of light from a degenerate parametric oscillator from its photoelectron counting distribution,” A. Mitra, R. Vyas and S. Singh, *New J. Phys.* 57, 1293 (2010).

“Multilayers of InGaAs Nanostructures Grown on GaAs (210) Substrates,” Z. M. Wang, Y. Xie, V. P. Kunets, V. G. Dorogan, Yu. I. Mazur, G. J. Salamo, *Nanoscale Res. Lett.* 5, 1320 (2010).

“Effects of AlGaAs Energy Barriers on InAs/GaAs Quantum Dot Solar Cells,” K. A. Sablon, J. W. Little, K. A. Olver, Zh. M. Wang, V. G. Dorogan, Yu. I. Mazur, G. J. Salamo, F. J. Towner, *J. Appl. Phys.* (2010).

“Effect of Written Presentation on Performance in Introductory Physics,” J. Stewart and S. Ballard, *Phys. Rev. ST Phys. Educ. Res.* 6, 020120 (2010).



“Dynamical Coupling in Pb(Zr,Ti)O<sub>3</sub> Solid Solutions from First Principles,” D. Wang, J. Weerasinghe, L. Bellaiche and J. Hlinka, *Phys. Rev. B, Rapid Commun.* 83, 020301(R) (2011).

“Multilayers of InGaAs Nanostructures Grown on GaAs(210) Substrates,” Zh.M. Wang, Y.Z. Xie, V.P. Kunets, V.G. Dorogan, Y.I. Mazur, G.J. Salamo, *Nanoscale Res. Lett.* 5, 1320-1323 (2010).

“Low Density Quantum Dot Molecules by Selective Etching Using In Droplet as a Mask,” H.H. Lee, Zh.M. Wang, Y.K. Hirono, V.G. Dorogan, Y.I. Mazur, E.S. Kim, S.M. Koo, S.H. Park, S.M. Song and G.J. Salamo, *IEEE Transact. on Nanotech.* 10, 395 (2011).

“Evolution of self-assembled InGaAs tandem nanostructures consisting a hole and pyramid on type-A high index GaAs substrates by droplet epitaxy,” J. H. Lee, Zh. M. Wang, E. S. Kim, N. Y. Kim, S. H. Park and G. J. Salamo, *IEEE Transact. on Nanotech.* 10, 395 (2011).

“InGa<sub>1-x</sub>As Quantum Wire Network-like & Ordered Checker Board-like Nanostructures on GaAs (311) by Low In composition Multi-layer Stacking,” J. H. Lee, Zh. M. Wang, V. Yazdanpanah, E. S. Kim, S. M. Koo, S. M. Song and G. J. Salamo *Phys. Stat. Solidi (a)* 208, 47 (2011).

“InGaAs Quantum Dot Molecules during Selective Etching using In Droplet Mask,” J. H. Lee, Zh. M. Wang, Y. K. Hirono, E. S. Kim, S. M. Koo, V. G. Dorogan, Y. I. Mazur, S. M. Song, G. Y. Park and G. J. Salamo, *J. Physics D: Appl. Phys.* 44, 025102 (2011).

“Insight into optical properties of strain-free quantum dot pairs,” J. A. Wu, Z. M. Wang, V. G. Dorogan, Y. I. Mazur, S. B. Li, and G. J. Salamo, *J. Nanoparticle Res.* 13, 947 (2011).

“Near infrared broadband emission of In<sub>0.35</sub>Ga<sub>0.65</sub>As quantum dots on high index GaAs surfaces,” J. A. Wu, Zh. M. Wang, V. G. Dorogan, S. B. Li, Y. I. Mazur, and G. J. Salamo, *Nanoscale* 3, 1485 (2011).

“Electronic states and light absorption in quantum dot molecule,” K. G. Dvovyan, E. M. Kazaryan, A. A. Tshantshapanyan, Zh. M. Wang, and G. J. Salamo, *Appl. Phys. Lett.* 98, 203109 (2011).

“On the Secondary Droplets of Self-Running Gallium Droplets on GaAs Surface,” J. Wu, Zh. M. Wang, A. Z. Li, M. Benamara†, and G. J. Salamo, *ACS Appl. Mater. Interfaces*, Article ASAP DOI: 10.1021/am200538x (2011).

“Generation of frequency-correlated narrowband biphotons from four-wave mixing in cold atoms,” S. Yun, J. Wen, P. Xu, M. Xiao, S.N. Zhu, *Phys. Rev. A* 82, 063830 (2010).

“Engineering Biphoton Wavepackets with Electromagnetically Induced Grating,” J. Wen, Y.H. Zhai, S. Du, and M. Xiao, *Phys. Rev. A* 82, 043814 (2010).

“Atomic Optical Bistability in Two- and Three-level Systems: Perspectives and Prospects,” A. Joshi and M. Xiao, *J. of Modern Optics* 57, 1196 (2010), *refereed Topical Review*.

“Improving Spatial Resolution in Quantum Imaging beyond the Rayleigh Diffraction Limit Using Multipartite Entangled States,” J. Wen, S. Du, and M. Xiao, *Phys. Lett. A* 374, 3908 (2010).

“Quantum Interference of Stored Dual-channel Spin-wave Excitations in a Single Tripod System,” H. Wang, S. Li, Z. Xu, X. Zhao, L. Zhang, J. Li, Y. Wu, C. Xie, K.C. Peng, and M. Xiao, *Phys. Rev. A* 83, 043815 (2011).

“Radiative Power of a Dipole in the Proximity of a Dielectric Interface: a case study of a quantum-dot exciton transition dipole,” V.K. Komarala and M. Xiao, *Semicond. Sci. Technol.* 26, 075007 (2011).

“Electromagnetically Induced Talbot Effect,” J. Wen, S. Du, H. Chen, and M. Xiao, *Appl. Phys. Lett.* 98, 081108 (2011).

“Josephson Effect in a Double Quantum-Dot Excitonic System,” A. Joshi, S. S. Hassan, and M. Xiao, *Appl. Phys. A* 102, 537 (2011).

“Influence of Rotational Instability on the Polarization Structure of SrTiO<sub>3</sub>,” Y. Yao and H. Fu *Phys. Rev. B* 82, 174119 (2010).

“Improvement in the Calculation of Anti-Stokes Energy Transfer and Experimental Justification Based on Er<sub>0.01</sub>Yb<sub>x</sub>Y<sub>1-0.01-x</sub>VO<sub>4</sub> Crystal,” X.B. Chen, J.A Lu, Y.Z. Zhang, X.L. Xu, B.H. Feng, C. Wang, G.J. Salamo, G.J. Yang, *Chinese Physics B* 19, 097804 (2010).

“Four-wave Mixing Gap Solitons,” Y.P. Zhang, Z. Wang, H. Zheng, C. Yuan, C. Li, K. Lu, and Min Xiao, *Phys. Rev. A* 82, 053837 (2010).

“Evidence of Autler-Townes Splitting in High-order Nonlinear Processes,” Y.P. Zhang, Z. Nie, Z. Wang, C. Li, F. Wen, and M. Xiao, *Opt. Lett.* 35, 3420 (October 2010).

“Observation of Autler-Townes Splitting in Six-wave Mixing,” Y.P. Zhang, P. Li, H. Zheng, Z. Wang, H. Chen, C. Li, R. Zhang, and M. Xiao, *Optics Express* 19, 7769 (2011).

“Four-wave Mixing Dipole Solitons in Laser-induced Atomic Grating,” Y.P. Zhang, Z. Wang, Z. Nie, C. Li, H. Chen, K. Lu, and Min Xiao, *Phys. Rev. Lett.* 106, 093904 (2011).

“Theory of Nonlinear Talbot Effect,” J. Wen, Y. Zhang, S.N. Zhu, and M. Xiao, *J. of Opt. Soc. Am. B* 28, 275 (2011).

#### Publications in Conference Proceedings

“Testing the Correlation between Spiral Arm Pitch Angle and Central Black Hole Mass,” D.W. Shields, J. Adam Hughes, R. Scott Barrows, B. Davis, D. Kennefick, J. Kennefick, W. Ring, M. Seigar, The First Stars and Galaxies: Challenges for the Next Decade, *AIP Conference Proceedings* 1294, 283-284 (2010).

“The Arkansas Galaxy Evolution Survey: Supermassive Black Holes in the Universe,” M. Seigar, D. Kennefick, J. Kennefick, C.H.S. Lacy, J. Berrier, P. Treuthardt, I.A. Al-Baidhany, R.S. Barrows, B. Davis, J.A. Hughes, A. Schilling, D.W. Shields & A.D. Sierra, *IAU Symposium*, 267, 210 (2010).

#### Other Publications and Contributions

“Review of James Hansen’s book *Storms of My Grandchildren*,” A. Hobson, *Phys. & Soc.*, 22-23 (2010).

“Review of James Hansen’s book *Storms of My Grandchildren*,” A. Hobson, *Teacher’s Clearinghouse for Science and Society*, 23-24 (2010).

“A Better Way to Increase Physics Majors: Greater Emphasis on Concepts,” A. Hobson, *APS Forum on Education Newsletter*, 9-11 (2010).

“Response to Rehfuss and Berger,” A. Hobson, *Phys. Teach.*, 502-503 (2010), *letter*.

“Comment on *Physics for Future Presidents*,” A. Hobson, *Physics & Society*, 3-4 (2010).

“Teaching the Scientific Process in Introductory Physics,” A. Hobson, *AAPT meeting* (2010), poster presentation.

“Polarization Properties of Bessel-Gauss Beams,” W. Lewis, R. Vyas, and S. Singh, INBRE, Fayetteville, AR, October, 2010.

“Densities of Guanidine Hydrochloride-Buffer Solutions as a Function of Temperature,” N. Vo, W. Clawson, T. Morris, and W. Oliver, *Arkansas INBRE Research Conference*, (Oct. 2010).

“Physics Standards for College Success: A Look to the Future,” P. Heller and G. Stewart (Document currently open for review at aapt.org and is separate from the CB standards).

Editor’s commentary, John Stewart, *APS Forum on Education Newsletter* (Spring 2010, Summer 2010, and Fall 2010).

#### Invited and Contributed Conference Presentations

*A partial list of invited and contributed presentations/talks, the abstracts of which are published in technical digests, are listed below. Many faculty members do not keep track of invited talks and presentations.*

“How Ferroelectrics Handle Stress and Pressure,” P.E. Janolin, J.M. Kiat, I. Kornev, B. Dkhil, N. Pertsev, P. Bouvier, J. Kreisel, L. Bellaiche and Y. Uesu, *7th Asian Meeting on Ferroelectricity and 7th Asian Meeting on Electroceramics* (2010), presentation.

“Phase Competition in BiFeO<sub>3</sub> Thin Films: A Combined Theoretical and Experimental Approach,” B. Dupe, I. C. Infante, P.-E. Janolin, S. Fusil, S. Lisenkov, I. Ponomareva, S. Ravy, L. Bellaiche, G. Geneste, H. Bea, K. Bouzehouane, B. Warot-Fonrose, E. Jacquet, M. Bibes, A. Barthelemy and B. Dkhil, *ISAF symposium* (2010), presentation.

“Quantum Computers: A Status Update,” J. Gea-Banacloche, *Proceedings of the IEEE*, 98 1983-1985 (2010), an invited “Point of View” article

“Bessel-Gauss Beams with Radial and Azimuthal Polarization,” W. Lewis, R. Vyas, and S. Singh, *Frontiers in Optics 2010 and Laser Science XXVI, Symposium on Undergraduate Research*, Rochester, NY (2010).

“Diffraction of Optical Vortex Beams,” M. Lucini, H. Shiau, R. Vyas, and S. Singh, *Frontiers in Optics 2010 and Laser Science XXVI, Symposium on Undergraduate Research*, Rochester, NY (2010).

“Sudden Death of Entanglement Between Coupled Quantum Dots in a Cavity,” A. Mitra, H. Shiau, and R. Vyas, *Frontiers in Optics 2010 and Laser Science XXVI*, Rochester, NY (October 2010).

#### Invited Lectures and Colloquia

*A partial list of invited and contributed presentations/talks, the abstracts of which are published in technical digests, are listed below. Many faculty members do not keep track of invited talks and presentations.*

“What’s the Matter with Mass?: Getting relativity and quantum theory to come out of the closet,” W.G. Harter, *NASA-OAI Distinguished Lecture Series*, (2010), invited talk.

“Symmetry Eigensolutions on the Cheap: Going beyond the ‘Gruppenpest’,” W.G. Harter, *NASA-OAI Distinguished Lecture Series*, (2010), invited talk.

“Clockwork Gauge Theory: Thales’ Geometry of Relativity and Quantum Theory, Symposium on Wavepackets, Chaos, and Scattering, Institute for Theoretical Atomic, Molecular and Optical Physic (ITAMP),” W.G. Harter, *Harvard-Smithsonian Center for Astrophysics, Cambridge, MA*, (2010), invited talk.

“Brain Upside & Down: The Seven Liberal Arts vs. the Seven Deadly Sins,” W.G. Harter, *Dinner in Honor of Eric J. Heller, Harvard Faculty Club, Cambridge, MA*, (2010), *invited talk*.

“Time Travel,” A. Hobson, Haas Hall High School, Fayetteville, (2011), *invited lecture*.

“Graphene: from Particle Physics to Nanotechnology: Discovery Wins Physics Nobel Prize,” P.M. Thibado, Physics Department, University of Arkansas, Fayetteville, AR (December 2010), *invited presentation*

#### Numerical Breakdown of Publications, Presentations and Other Contributions

Book Chapters: 3

Books: 1

Journal Articles: 73

Conference Proceedings: 2

Other Publications: 10

Invited and Conference Presentations: >6

Invited Lectures and Colloquia: >6

### **POLITICAL SCIENCE**

(1)a. Books published (PLSC faculty members in bold when appearing with colleagues from other departments or universities)

Pearl Ford-Dowe, editor. *African Americans in Georgia, Political and Policy Reflections of the New South*, (Macon, GA: Mercer University Press, June 2010).

Najib Ghadbian, Translation of Lisa Wedeen *Ambiguities of Domination: Politics, Rhetoric, and Symbols in Contemporary Syria* (Chicago: University of Chicago Press, 1999) Asulta al-Ghamidha: *Assiyassa wal Khitab wal Rumouz fi Souria*, Beirut: Dar Riyahd al- rayes, July, 2010).

Angie Maxwell and Todd Shields, *Unlocking V.O. Key, Jr.: Southern Politics for the 21st Century*. (Fayetteville, AR: University of Arkansas Press) June 2011.

Janine Parry and Dorothy McBride, *Women’s Rights in the U.S.A.: Policy Debates and Gender Roles*, 4<sup>th</sup> edition (New York: Routledge) 2011.

Patrick Conge, “Narrative: Saudi Arabia, the United States and the Search for Security,” in *Security in the Gulf: Historical Legacies and Future Prospects*, edited by Matteo Legrenzi (New York: Routledge, 2010). This piece appeared in the *British Journal of Middle Eastern Studies* in December 2009.

Sunshine Hillygus and Todd Shields, “Racial and Moral Issues in the Evolution of the ‘Southern Strategy’” in *Controversies in Voting Behavior*, 5<sup>th</sup> edition, edited by Richard Niemi, Herbert Weisberg, and David Kimball (Washington, D.C.: Congressional Quarterly Press). 2010.

P.S. Ruckman, Jr., and Patrick Stewart, “About the Title of Your Dissertation” in *The Wit and Humor of Political Science*, edited by Lee Sigelman, Kenneth Newton, Bernard Grofman, and Kenneth Meier ( LaVergne, TN: A joint publication of American Political Science Association and European Consortium of Political Research)2010.

Patrick Stewart, Frank K. Salter and Marc Mehu, “The Face as Focus of Political Communication: Evolutionary Perspectives and the Ethological Method,” in *Sourcebook for Political Communication Research: Methods, Measures, and Analytic Techniques*, edited by E.P. Bucy and R.L. Holbert (New York, NY: Routledge) 2011, 165-193.

Andrew Dowdle, "Resource Allocation and Military Budgetary Politics in Sub-Saharan Africa" *African Security* 3(2): 65-79.

Pearl K. Dowe, Tekla A. Johnson, and Angie Maxwell, "Yes We Can or Yes We Did? Prospective and Retrospective Change in the Obama Presidency," *Journal of Black Studies*, January 2010.

Pearl K. Dowe, Angie Maxwell, and Todd Shields, "What's the Matter with Arkansas: Symbolic Racism and 2008 Presidential Candidate Support," *Presidential Studies Quarterly*, June 2010.

John Gaber and Sharon Gaber, "Using Face Validity to Recognize Empirical Community Observation" in *Evaluation and Program Planning*, May 2010; 33:2, pp. 138-146.

Najib Ghadbian, "Disidencia Politica Bajo el Nuevo Regimen" ("Political Dissidence Under the New Regime" *Culturas*, Vol 2, No. 8, September 2010 (refereed, Spanish).

Brinck Kerr, Valerie Hunt, Linda K. Ketcher, and Jennifer Murphy, "The Forgotten Minority: An Analysis of American Indian Employment Patterns in State and Local Governments, 1991-2005" *American Indian Quarterly*, Fall 2010, 34:409-434.

Brinck Kerr, Will Miller, and Margaret Reid, "Descriptive Representation by Sex and Ethnicity in Municipal Bureaucracies: Change in U.S. Multiethnic Cities from 1987 to 2001" *Women, Politics, & Policy* (Summer 2010) 31:217-242.

Seok Eun Kim and Jung Wook Lee, "The Impact of Competing Accountability Requirements on perceived Work Performance," *American Review of Public Administration*, 40(1): 100-118.

Seok Eun Kim, "Excellence by Design in Public Organizations: Selected Cases" *Journal of Governance Studies* 5(2): 119-136.

Seok Eun Kim & Dian Rubianty, "Perceived Fairness of Performance Appraisals in the Federal Government: Why does It Matter?" *Review of Public Personnel Administration* (forthcoming).

Cynthia Riemenschneider, Margaret Reid, Deborah Armstrong, and Myria Allen, "Potential Absorptive Capacity of State IT Departments: A Comparison of Perceptions of CIOs and IT Managers," *Journal of Organizational Computing and Electronic Commerce*, 20, 68-90.

Margaret Reid, Myria Allen, Deborah Armstrong, and Cynthia Riemenschneider, "Perspectives on Challenges Facing Women in IS: The Cognitive Gender Map", *European Journal of Information Systems*, 19: 526-539.

Patrick Stewart and Jonathan Chad Moseley, "Politicians Under the Microscope: Eye blinds during the first Bush-Kerry Debate," *White House Studies*, 2010, 9(4): 373-388.

Patrick Stewart, "Presidential Laugh Lines: Facial displays by Candidates Telling Jokes During the 2008 Primary Debates," *Politics and the Life Sciences*, September 2010, 29(2)

Ka Zeng and Wei Liang, "U.S. Antidumping Actions Against China: The Impact of China's Entry into the World Trade Organization," *Review of International Political Economy* 17:3 (August 2010) 562-588.

Ka Zeng, "Multilateralism vs. Regionalism in China's Foreign Trade Policy: Explaining China's Pursuit of Free Trade Agreements," *Journal of Contemporary China* 19:66 (September 2010) 635-652.

Andrew Dowdle and Joseph Giammo, "Arkansas: Deep Blue and Bright Red at the Same Time? in *The New Politics of the Old South*, edited by Charles S. Bullock III and Mark J. Rozell (Lanham, MD: Rowman and Littlefield) 2010.

John Gaber, "Applied Research Methods" in *Encyclopedia of Research Design*, Volume 1, (Thousand Oaks: CA, Sage Publications) June 2010, pp. 35-37.

John Gaber, "Face Validity" in *Encyclopedia of Research Design*, Volume 1, (Thousand Oaks: CA, Sage Publications) June 2010, pp. 471-474.

John Gaber and Sharon Gaber, "Planning Research" in *Encyclopedia of Research Design*, Volume 2, (Thousand Oaks: CA, Sage Publications) June 2010, pp. 1039-1042.

Najib Ghadbian, "New Syrian Brotherhood Leader: Continuity or Change?" *Arab Reform Bulletin*, September 8, 2010. (Essay in English and Arabic)

Najib Ghadbian, "Israeli-Syrian Relations: A Syrian Perspective" *Middle East Observer*, Issue #2, Vol 1, April-May 2010. (Essay)

Najib Ghadbian, "The Rising Islamophobia in the US," Aljazeera.net, September 2010 (OP-ED).

Najib Ghadbian, "Reading in the National Security Strategy of the Obama Administration" Aljazeera.net, May 20, 2010 (OP-ED).

Najib Ghadbian, "The Syrian Role and the Regional Polarization," Aljazeera.net, March 5, 2010 (OP-ED).

Angie Maxwell, "Cataloging Southern Culture at Home and Abroad," Review of *Transatlantic Exchanges: The American South in Europe – Europe in the American South*, edited by Richard Gray and Walemar Zacharasiewicz (Austrian Academy of Science Press) 2007; and *The New Encyclopedia of Southern Culture*, edited by M. Thomas Inge and Charles Reagan Wilson (University of North Carolina Press) 2008. *Southern Literary Journal*, Volume XLII, No. 2 (Spring 2010).

Angie Maxwell, "Review of Crusades for Freedom: Memphis and the Political Transformation of the American South," *Arkansas Review: A Journal of Delta Studies*, Volume 41, No. 3 (December 2010).

Janine A. Parry, *Defining Moments: Historic Decisions by Arkansas Governors from McMath through Huckabee* by Robert L. Brown (book review), *Arkansas Historical Quarterly*, 70:xx-xx (forthcoming, summer 2011).

Daniel S. Smith, Todd Donovan, Janine Parry, and Caroline Tolbert, "Brief *Amici Curiae* of Direct Democracy Scholars in Support of Respondents: Doe v. Reed 09-559 (March 2010).

(5a) Conference papers.

Patrick Conge, "Business as International Problem-Solver: What Social Responsibility" paper presented at the Tenth International Comparative Interdisciplinary Studies Section (CISS) Conference, Venice, Italy, July 2010.

Patrick Conge, "Narrative and Foreign Policy: Saudi Arabia, the United States and the Search for Security" paper presented at the Southwestern Social Science Association, Houston, Texas, March 2010.

Anne Diallo and Margaret Reid, "The Effects of urban Regimes on the Allocation of Arts/Culture Resources: A Case Study of a College Community," paper presented at the Urban Affairs Association Meeting, Honolulu, Hawaii, March 2010.

Andrew Dowdle and Karen Sebold, "How Two Small Southern Towns Influenced Bill Clinton's Attitude on Race" paper presented at the Annual Meeting of the Southern Political Science Association, Atlanta, Georgia, January 2010.

Andrew Dowdle, Brinck Kerr, and Barbara Warner, "Talking the Nation into War Using Religious Rhetoric: A Study of Presidents Lyndon B. Johnson and George W. Bush" paper presented at the Southwestern Social Science Association, Houston, Texas, April 2010.

Andrew Dowdle and Wayne Sterger, "Competition, Viability, and Choice in Presidential Nominations, 1976-2008" paper presented at the Annual meeting of the Midwest Political Science Association, Chicago, Illinois, April 2010.

John Gaber, "Making Change Happen" delivered at the University of Arkansas, Sam Walton College of Business, Lunch and Learn Program, May 10, 2010.

John Gaber "Making Strategic Planning Strategic" delivered at the University of Arkansas, Sam Walton College of Business, Lunch and Learn Program, May 13, 2010.

Najib Ghadbian, "General Trends of Democratic Developments and the Syrian Case" paper presented at *The Future of Democracy and Human Rights in the Arab World*, Center for Research and Humanities, King Hassan II University, Casablanca, Morocco, October, 22-23, 2010.

Najib Ghadbian, "Contesting Authoritarianism: Opposition Activism Under Bashar Asad" paper presented at the Bashar al-Asad's First Decade, Lund University, Lund Sweden, October 7-9, 2010.

Najib Ghadbian, "From Subjects to Citizens?" Second Annual Workshop on Active Citizenship, Amman, Jordan, July 22, 2010.

Thomas Greitens, M. Ernita Joaquin, and Patrick Stewart, "The Potential for Regional Policy Responses in a Rural Setting: Mosquito Control in the Mississippi Delta," paper presented at the Association for Politics and the Life Sciences 29<sup>th</sup> Annual Meeting, Indiana University, Bloomington, Indiana, October 14-16, 2010.

Seok Eun Kim, "Physical Workplace as a Strategic Asset for Improving Performance in Public Organizations," paper presented for the 2010 KAPA's International Conference on Public Administration, Seoul Korea, October 7-8, 2010.

Seok Eun Kim, " Excellence by Design in Public Organizations: Selected Cases," paper presented the 2010 Workshop for Governance Studies, Seoul Korea, October 9 2010.

Janine Parry and Rafael Jimeno, "When Blue and Black Make Red: A List Experiment on Arkansas voters and Barack Obama," paper presented at the Annual Meeting of the American Political Science Association, Washington, D.C., September 2010.

Janine Parry, Dan Smith and Shayne Henry, "We Know What You Did Last Summer: Petition Signing and voter Turnout," paper presented at the Annual Meeting of the State Politics and Policy Section of Annual Meeting of the American Political Science Association, Washington, D.C., September 2010.

Janine Parry, Shaun Bowler and Todd Donovan, "Responsive vs. Independent Justice: Public Opinion and Judicial Selection," paper presented at Annual Meeting of the State Politics and Policy Section of Annual Meeting of the American Political Science Association, Washington, D.C., September 2010.

Margaret Reid and Denise McNerney, "Mission Driven Change – Shaping a New Path at The Family Conservancy" case study presented at the Case Research Conference, Gatlinburg, TN., October 2010.

Jeff Ryan and Christopher Parker, "A Cross-National Analysis of the Impact of Terrorist Attacks on Human Rights and Civil Liberties" paper presented at the Midwest Political Science Association Meeting, Chicago, Illinois, March, 2010.

Jeff Ryan, "Gobernanza Democratica y Administracion Publica" (Democratic Governance and Public Administration) paper presented at the IV Conferencia Annual de la Red INPAE, San Jose, Costa Rica, May 2010.

Jeff Ryan, "Capacitacion para los Gobiernos Locales: El Rol de Academicos" (The Role of Academics in Capacity Building for Local Governments) paper presented at the III Seminario Regional de GpRD en Gobiernos Subnacionales (III Regional Seminar on Government for Development Results in subnational Governments (sponsored by the World Bank/Inter-American Development Bank) Quito, Ecuador, September 2010.

Karen Sebold and Patrick Stewart, "Civics Coordinator and Chair Experiences with Incoming Student in the State of Arkansas," paper presented at the Annual Meeting of the Arkansas Political Science Association, Jonesboro, Arkansas, February 2010.

Patrick Stewart and Pearl Ford-Dowe, "The 'Happy Warrior' Revisited: Response to Happiness-Reassurance Displays by President Obama," paper presented at the Association for Politics and the Life Sciences 29<sup>th</sup> Annual Meeting, Indiana University, Bloomington, Indiana, October 14-16, 2010.

Patrick Stewart and Pearl Dowe, "The 'Happy Warrior' Revisited: Response to Happiness-Reassurance Displays by President Obama," poster presented at the International Society for Human Ethology XX meeting at University of Wisconsin, Madison, Wisconsin, August 1-5, 2010.

Patrick Stewart, Angelica Kraushaar and Wesley Young, "Fayetteville Farmers Market: Does it Create Social Capital" (Poster) presented at the International Society for Human Ethology XX meeting at University of Wisconsin, Madison, Wisconsin, August 1-5, 2010.

Ka Zeng, "U.S.-China Economic Relations during the Global Financial Crisis" paper presented at the Conference on "China-U.S. Relations and New Thinking of Cross-Strait Relations" Washington, D.C., October 2010. (Co-sponsored by the Global Forum of Chinese Political Scientists, American university Center for Asian Studies and Beijing University Center for Taiwan Studies.)

Ka Zeng, "The Political Economy of Developing Country Antidumping Actions against China," paper presented at the Annual Meeting of the International Studies Association, New Orleans, Louisiana, February 2010.

Ka Zeng, "U.S. Antidumping Actions against China: The Impact of China's WTO Membership," paper presented at the Conference on China-Japan-US Triangle: Economic and Security Dimensions, , Dallas, Texas, February 2010, sponsored by the Southern Methodist University Asian Studies Symposium, The John G. Tower Center for Political Studies.

## 5(b) Research Reports

Margaret Reid, "Estimating the Costs of Homelessness and the Benefits of Alternate Services Models, paper given at the Northwest Arkansas Housing Coalition", Fayetteville, Arkansas, December 2010.

## PSYCHOLOGY



Lampinen, J. M., & Sexton-Radek, K. (Eds., 2010). *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Book Chapters: 2010

Sun, C., Wosnitzer, R., Bridges, A.J., Scharrer, E., & Liberman, R. (2010). Harder and harder: The content of popular pornographic movies. In M. Paludi & F. Denmark (Eds.), *Victims of Sexual Assault and Abuse: Resources and Response for Individuals and Families*. Santa Barbara, CA: ABC-CLIO.

Bridges, A.J. (2010). Pornography's effects on interpersonal relationships. In J.R. Stoner Jr. & D.M. Hughes (Eds.), *The Social Costs of Pornography*. Princeton, NJ: Witherspoon Institute.

Bridges, A.J., & Jensen, R. (2010). Pornography. In J. Edleson, R. Bergen, & C. Renzetti (Eds.), *Sourcebook on Violence Against Women, 2<sup>nd</sup> Ed.* Thousand Oaks, CA: Sage.

Bridges, A.J. (2010). Methodological considerations in mapping pornography content. In K. Boyle (Ed.), *Everyday Pornographies*. New York: Routledge.

Cavell, T. A., & Henrie, J. L. (2010). Deconstructing serendipity: Focus, purpose, and authorship in Lunch Buddy Mentoring. In G. G. Noam, M. J. Karcher, & M. J. Nakkula (Eds.), *New directions for youth development: Theory, practice, and research. The structure of mentoring interactions* (pp. 107-121). Hoboken, NJ: John Wiley & Sons.

Newgent, R. A., Seay, A. D., Malcolm, K. T., Keller, E. A., & Cavell, T. A. (2010). Identifying children potentially at-risk for serious maladjustment due to peer victimization: A new model using receiver operating characteristics (ROC) analysis. In J. M. Lampinen & K. Sexton-Radek (Eds.), *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Smith, R. C., Elwood, L., Feldner, M. T., & Olatunji, B. O. (2010). Anxiety disorders. In D. L. Segal & M. Hersen (Eds.), *Diagnostic Interviewing* (pp. 125-151). New York, NY: American Psychiatric Association.

Ham, L. S., & Garcia, T. A. (2010). Assessment of social skills in substance use disorders. In D. W. Nangle, C. A. Erdley, D. J. Hansen, & P. J. Norton (Eds.), *Practitioner's Guide to Empirically-Based Measures of Social Skills (AABT Clinical Assessment Series)* (pp. 225-249). New York: Springer.

Lampinen, J. M., Arnal, J. D., Culberston-Faegre, A., & Sweeney, L. (2010). Missing and abducted children. In J. M. Lampinen & K. Sexton-Radek (Eds.), *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Lampinen, J. M., & Sexton-Radek, K. (2010). Protecting children from violence: Historical roots and emerging trends. In J. M. Lampinen & K. Sexton-Radek (Eds.), *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Sexton-Radek, K., Lampinen, J. M. (2010). Protecting children from violence: Conclusions. In J. M. Lampinen & K. Sexton-Radek (Eds.), *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Cisler, J.M., Lohr, J.M., Sawchuk, C.N., & Olatunji, B.O. (2010). Specific phobia. In J. Thomas and M. Hersen (Eds.), *Handbook of clinical psychology competencies. Vol. 2* (pp. 697-722). New York: Springer.

Petretic, P., & White, E. (2010). Mediating factors in the long-term outcome following childhood abuse: Cognitive and other factors predicting personal distress, intimacy functioning, and resilience. In J. M. Lampinen & K. Sexton-Radek (Eds.), *Protecting children from violence: Evidence based interventions*. New York: Psychology Press.

Refereed Articles: 2010

Beike, D.R., Adams, L.P., & Naufel, K.Z. (2010). Closure of autobiographical memories moderates their directive effect on behavior. *Memory*, 18, 40-48.

Swanner, J. K., & Beike, D. R. (2010). Incentives increase the rate of true but not false secondary confessions from informants with an allegiance to a suspect. *Law and Human Behavior*, 34, 418-428.

Swanner, J. K., Beike, D. R., & Cole, A.T. (2010). Snitching, lies and computer crashes: An experimental investigation of secondary confessions. *Law and Human Behavior*, 34, 53-65.

Bridges, A.J., Wosnitzer, R., Scharrer, E., Sun, C., & Liberman, R. (2010). Aggression and sexual behavior in best-selling pornography videos: A content analysis update. *Violence Against Women*, 16, 1065-1085.

Bridges, A.J., de Arellano, M.A., Rheingold, A.A., Danielson, C.K., & Silcott, L. (2010). Trauma exposure, mental health, and service utilization rates among immigrant and United States-born Hispanic youth: Results from the Hispanic Family Study. *Psychological Trauma: Theory, Research, Practice, and Policy*, 2, 40-48.

Elledge, L. C., Cavell, T. A., Ogle, N., & Newgent, R. A. (2010). Lunch buddy mentoring as selective prevention for bullied children. *Journal of Primary Prevention*, 171-187.

Elledge, L. C., Cavell, T. A., Ogle, N., Newgent, R. A., Malcolm, K. T., & Faith, M. A. (2010). History of peer victimization and children's response to instances of school bullying. *School Psychology Quarterly*, 129-141.

Eidelman, S., Pattershall, J., & Crandall, C.S. (2010). Longer is better. *Journal of Experimental Social Psychology*, 46, 993-998.

Eidelman, S., & Silvia, P.G. (2010). Self-focus and stereotyping of the self. *Group Processes and Intergroup Relations*, 13, 263-273.

Goodman, J., Alexander, M., Chizhik, A.W., Chizhik, E.W., & Eidelman, S. (2010).

Indirect influence and divergent thinking as a function of member status and task structure in small groups. *European Journal of Social Psychology*. 40, 1184-1199.

Babson, K. A., & Feldner, M. T. (2010). Temporal relations between sleep problems and both traumatic event exposure and PTSD: A critical review of the empirical literature. *Journal of Anxiety Disorders*, 24, 1-15.

Babson, K. A., Feldner, M. T., & Badour, C. L. (2010). Cognitive behavioral therapy for sleep disorders. *Psychiatric Clinics of North America*, 33, 629-640.

Babson, K. A., Feldner, M. T., Connolly, K. M., Trainor, C. D., & Leen-Feldner, E. W. (2010). Subjective sleep quality and anxious and fearful responding to bodily arousal among children and adolescents. *Cognitive Therapy and Research*, 34, 359-367.

Babson, K. A., Trainor, C. D., Feldner, M. T., & Blumenthal, H. (2010). A test of the effects of acute sleep deprivation on general and specific self-reported anxiety and depressive symptoms: An experimental extension. *Journal of Behavior Therapy and Experimental Psychiatry*, 41, 297-303.

Bonn-Miller, M. O., Babson, K. A., Vujanovic, A. A., & Feldner, M. T. (2010). Sleep problems and PTSD symptoms interact to predict marijuana use coping motives: A preliminary investigation. *Journal of Dual Diagnosis*, 6, 111-122.

Bunaciu, L., Feldner, M. T., Blumenthal, H., Babson, K. A., Schmidt, N. B., & Sachs-Ericsson, N. (2010). A test of the relations between avoidance of panic-related situations and substance use, substance dependence, and depression among subclinical panickers. *Behaviour Research and Therapy*, 44, 158-163.]

Cisler, J. M., Olatunji, B. O., Feldner, M. T., & Forsyth, J. P. (2010). Emotion regulation and the anxiety disorders: An integrative review. *Journal of Psychopathology and Behavioral Assessment*, 32, 68-82.

Cogle, J. R., Feldner, M. T., Keough, M. E., Hawkins, K. A., & Fitch, K. E. (2010). Comorbid panic attacks among individuals with posttraumatic stress disorder: Associations with traumatic event exposure history, symptoms, and impairment. *Journal of Anxiety Disorders*, 24, 183-188.

Feldner, M. T., Frala, J., Badour, C., Leen-Feldner, E. W., & Olatunji, B. O. (2010). An empirical test of the association between disgust and sexual assault. *International Journal of Cognitive Therapy*, 3, 11-22.

Smith, R. C., Blumenthal, H. M., Badour, C., & Feldner, M. T. (2010). An investigation of the relations between crystal methamphetamine use and posttraumatic stress disorder. *Addictive Behaviors*, 35, 625-627. doi:10.1016/j.addbeh.2010.01.010

- Blumenthal, H., Leen-Feldner, E. W., Frala, J. L., Badour, C., & Ham, L. S. (2010). Social anxiety and motives for alcohol use among adolescents. *Psychology of Addictive Behaviors*, 24, 529-534. doi: 10.1037/a0019794
- Bacon, A. K., & Ham, L. S. (2010). Attention to social threat as a vulnerability to the development of comorbid social anxiety disorder and alcohol use disorders: An avoidance-coping cognitive model. *Addictive Behaviors*, 35, 325-339. doi: 10.1016/j.addbeh.2010.06.002
- Zamboanga, B. L., Schwartz, S. J., Van Tyne, K., Ham, L. S., Olthuis, J. V., Huang, S., Kim, S. Y., Hudson, M., Forthun, L. F., Bersamin, M., & Weisskirch, R. (2010). Drinking game behaviors among college students: How often and how much? *American Journal of Drug and Alcohol Abuse*, 36, 175-179. doi: 10.3109/00952991003793869
- Ham, L. S., Zamboanga, B. L., Olthuis, J. V., Casner, H. G., & Bui, N. (2010). No fear, just relax and play: Social anxiety, alcohol expectancies, and drinking games among college students. *Journal of American College Health*, 58(5), 473-479.
- Zamboanga, B. L., Schwartz, S. J., Ham, L. S., Borsari, B., & Van Tyne, K. (2010). Alcohol expectancies, pregaming, and hazardous alcohol use in a multiethnic sample of college students. *Cognitive Therapy and Research*, 34, 124-133. doi: 10.1007/s10608-009-9234-1
- Battista, S. R., Stewart, S. H., & Ham, L. S. (2010). A critical review of laboratory-based studies examining the relationships of social anxiety and alcohol intake. *Current Drug Abuse Reviews*, 3(1), 3-22.
- Blumenthal, H., Leen-Feldner, E. W., Frala, J. L., Badour, C., & Ham, L. S. (2010). Social anxiety and motives for alcohol use among adolescents. *Psychology of Addictive Behaviors*, 24, 529-534.
- Babson, K. A., Feldner, M. T., Connolly, K. M., Trainor, C. D., & Leen-Feldner, E. W. (2010). Subjective sleep quality and anxious and fearful responding to bodily arousal among children and adolescents. *Cognitive Therapy and Research*, 34, 359-367.
- Feldner, M. T., Frala, J. L., Badour, C., Leen-Feldner, E. W., & Olatunji, B. O. (2010). An empirical test of the association between disgust and sexual assault. *International Journal of Cognitive Therapy*, 3, 11-22.
- Frala, J. L., Leen-Feldner, E. W., Blumenthal, H., & Barreto, C. C. (2010). Relations among perceived control over anxiety-related events, worry, and generalized anxiety disorder in a sample of adolescents. *Journal of Abnormal Child Psychology*, 38, 237-247.
- Brady, R.E., Lohr, J.M., & Adams, T. (2010). Contamination-related Obsessive-Compulsive Disorder. *Expert Review of Neurotherapeutics*, 10, 1295-1305.
- Schroeder, D.A. (2010). Promoting intergroup cooperation. [Review of the book *The Psychology of Prosocial Behavior: Group Processes, Intergroup Relations, and Helping.*] *Analyses of Social Issues and Public Policy*, 10, 350-354.

#### Articles in Proceedings or Non-refereed Publications: 2010

- Lohr, J.M., & Adams, T.M. (2010). Fear. In P. Rossi (Ed.), *Corsini's encyclopedia of psychology* (pp. 651-652). New York: John Wiley & Sons.

#### Invited Lectures: 2010

- Lampinen, J.M. (2010). *Prospective Person Memory for Age Progressed Images*. Invited address, Mississippi State University at Meridian.
- Lampinen, J.M. (2010). *When Children Go Missing*. Invited Distance Education Talk. Mississippi State University at Meridian.
- Levine, W. H. (2010). *Production and processing of restrictive relative clauses in pragmatically-appropriate context*. Invited talk given to the Pennsylvania State University Center for Language Science.
- Levine, W. H. (2010). *How do we represent things that are not present?* Invited talk given to the Pennsylvania State University Department of Psychology.
- Levine, W. H. (2010). *Production and processing of restrictive relative clauses in pragmatically-appropriate context*. Invited talk given at Hofstra University.

Lohr, J.M. (2010, November). *Individual differences in disgust and risk for anxiety pathology*. Symposium Discussant at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Lohr, J.M. (2010, November). *Specificity of cognitive-behavioral therapy: Evidence from experimental analyses of behavioral and cognitive content*. Symposium Chair at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Lohr, J.M., Adams, T.G., & Brady, R.E. (2010, April). *How the practitioner can use evidence-based practice*. Invited talk at the Psychotherapy and Science Conference, University of North Carolina-Wilmington.

Schroeder, D.A. (2010, March). *Social Dilemmas, Sustainability, and Justice*. Colloquium present at Centenary College, Shreveport, LA.

#### Contributed Papers: 2010

Beike, D. R., Adams, L. P., & Naufel, K. Z. (2010). *Closure of autobiographical memories moderates their directive effect on behavior*. Paper presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

Crone, T. S., & Beike, D. R. (2010). *Can the benefits of self-defining memories be obtained from a closed memory?* Paper presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

Pattershall, J. M., Eidelman, S., & Beike, D. R. (2010). *Motivated memory for emotion: The effects of regulatory focus on recalled emotions*. Paper presented at the annual meeting of the Association for Psychological Science, Boston, MA.

Ransom, J. W., & Beike, D. R. (2010). *Mood incongruent recall: Why happy memories don't always improve mood*. Paper presented at the annual meeting of the Association for Psychological Science, Boston, MA.

Swanner, J. K., & Beike, D. R. (2010). *Investigation of the use of incentives for secondary confessions from informants with an allegiance to the suspect*. Paper presented at the annual meeting of the American Psychology-Law Society, Vancouver, BC, Canada.

Ransom, A. S., & Behrend, D. A. (April, 2010). The role of speaker language and accuracy during word learning. Poster presented at the International Conference on Infant Studies, Baltimore, MD.

Schwartz, R. M., Behrend, D. A., & Ransom, A. S. (April, 2010). Toddlers' understanding of word-action-object relations: Influence of vocabulary size and accompanying language on imitation. Paper presented at the International Conference on Infant Studies, Baltimore, MD.

Bridges, A.J., Wosnitzer, R., Scharrer, E., Sun, C., & Liberman, R. (February, 2010). *Aggression and sexual behavior in best-selling pornography*. 35<sup>th</sup> Annual Meeting of the Association for Women in Psychology, Portland, OR.

Bridges, A. J., Cavell, T. A., Andrews, A. A., & Ojeda, C. A. (2010). *Training integrated behavioral health care psychologists to work with diverse, medically underserved communities*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Briggs, J., Atwood, C. R., Elledge, L. C., Faith, M. A., Henrie, J. L., Cavell, T. A., & Gomez, D. (2010). *Relationship with parents and peer victimization: Sibling relationship quality as potential mediator*. Poster presented at the Kansas Conference in Clinical Child and Adolescent Psychology, Lawrence, KS.

Cavell, T. A., Karcher, M., & Elledge, L. C. (2010). *Are the effects of school-based mentoring mediated by teacher-student relationship quality?* Paper presented at the Annual Meeting of the Society for Prevention Research. Denver, CO.

Elledge, L. C., Cavell, T. A., Harris, A., & Newgent, R. A. (2010). *Teacher-student relationship quality: protective factor for children at risk of being bullied.* Paper presented at the Annual Meeting of the Society for Prevention Research. Denver, CO.

Faith, M. A., Elledge, L. C., Atwood, C. R., Gomez, D., Henrie, J. L., & Cavell, T. A.. (2010). *Children's views of what would and should happen when siblings argue.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Faith, M. A., Fiala, S. T., & Cavell, T. A. (2010). *Mentoring highly aggressive children: Potential costs to mentors.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Gomez, D., Lawson, J. R., Elledge, L. C., Oeffinger, A., Briggs, J., Faith, M. A., & Cavell, T. A. (2010). *Lunchroom social interactions: An observational analysis.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Gomez, D., Henrie, J. L., Faith, M. A., Briggs, J., Lawson, J. R., Cavell, T. A., & Oeffinger, A. (2010). *Lunch Buddy mentoring for bullied children: Impact on observed interactions.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Henrie, J. L., Mayfield, E., Royal, R., & Cavell, T. A. (2010). *Perceived containment as predictor of antisocial behavior in young adults.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Henrie, J. L., Briggs, J., Murphy, M. L., Elledge, L. C., Faith, M. A., Gomez, D., & Cavell, T. A. (2010). *School-based mentoring: Selective prevention for bullied children.* Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Manning, M., Molix, L., Eidelman, S., Schlegel, R., Biernat, M., & Bettencourt, B.A. (2011, January). *Meta-analytic tests of norm and expectancy violations: Implications for gender evaluations.* Paper presented in symposium at the 12<sup>th</sup> meeting of the Society for Personality and Social Psychology, San Antonio, TX.

Eidelman, S. (2011, January). *Using stereotypes to discount failure and augment success.* Paper presented in symposium at the 12<sup>th</sup> meeting of the Society for Personality and Social Psychology, San Antonio, TX.

Crandall, C.S. & Eidelman, S. (2011, January). *Psychological advantages of the status quo and political ideology.* Talk presented at 2nd Annual Political Psychology Pre-Conference, San Antonio, TX.

Pattershall, J., Eidelman, S., & Beike, D. (2011, January). *Approach-avoidance motivation influences recalled affect.* Poster presented at the 12<sup>th</sup> meeting of the Society for Personality and Social Psychology, San Antonio, TX.

Eidelman, S., Crandall, C.S., & Goodman, J.A. (2010, July). *Disruption of deliberate thinking promotes political conservatism* . Paper presented in symposium at the 33<sup>rd</sup> meeting of the International Society of Political Psychology, San Francisco, CA.

Babson, K. A., Trainor, C. D., Bunaciu, L., & Feldner, M. T. (2010, March). *An Examination of Anxiety Sensitivity as a Moderator of the Relation between Sleep Anticipatory Anxiety and Sleep Onset Latency*. Paper presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Badour, C. L., Feldner, M. T., Babson, K. A., Trainor, C., & Bujarski, S. (2010, March). *Mental Contamination in Response to Reminders of Traumatic Sexual and Physical Assault*. Paper presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Babson, K. A., Badour, C. B., & Feldner, M. T. (2010, March). *Posttraumatic Stress Symptom Severity Moderates the Relation between Sleep Problems and Anxious Responding to Script Driven Imagery among Victims of Sexual and Physical Assault*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, Ca.

Babson, K. A., Feldner, M. T., Badour, C. T., Trainor, C. D., Blumenthal, H., Sachs-Ericsson, N., & Schmidt, N. B. (2010, March). *Posttraumatic Stress and Sleep: Differential Relations across Types of Symptoms and Sleep Problems*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies; San Francisco, Ca.

Badour, C. L., Adams, T. G., Cisler, J. M., Lohr, J. M., Feldner, M. T. (2010, March). *The Moderating Role of Disgust Propensity and Sensitivity in the Relation between Interpersonal Violence and Obsessive-Compulsive Symptoms*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Bown, S., Babson, K. A., Badour, C. L., Lewis, S., Feldner, M. T., & Trainor, C. D. (2010, March). *Severity of Withdrawal Symptoms Predicts Sleep Problems among Polysubstance Users in a Residential Treatment Program*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Bujarski, S., Leen-Feldner, E., Feldner, M. T., Trainor, C. D., Babson, K. A., & Bonn-Miller, M. O. (2010, March). *Posttraumatic Stress Symptoms Predict Coping Motivation for Marijuana Use among Traumatic Event-Exposed Adolescents*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Bunaciu, L., Leen-Feldner, E. W., Feldner, M. T., & Blumenthal, H. (2010, March). *An Examination of the Relations between PTSD and Parent-Child Relationship Quality, Child Internalizing Problems, and Parenting Tactics in the National Comorbidity Survey-Replication*. Poster presented at the 44th annual meeting of the Association for Behavioral and Cognitive Therapies. San Francisco, CA.

Trainor, C. D., Babson, K. A., Bunaciu, L., & Feldner, M. T. (2010, March). *The Role of Anxiety Sensitivity in the Relation between Posttraumatic Stress Symptoms and Sleep Difficulties among Trauma Exposed Adults*. Poster presented at the 44th annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Trainor, C. D., Babson, K. A., Feldner, M. T., Bunaciu, L., & Ghassani, W. (2010, March). *The Role of Emotion Regulation in Sleep Difficulties among Trauma Exposed Adults*. Poster presented at the 44th annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Fugitt, J. L., Garcia, T. A., Casner, H. G., & Ham, L. S. (2010, November). *Alcohol outcome expectancies and urge to drink across social contexts*. Poster presented at the meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Lovett, D. E., Ham, L. S., Brady, R. E., & Casner, H. G. (2010, November). *The effects*

*of social anxiety on facial expression identification threshold*. Poster presented at the meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Ham, L. S., Zamboanga, B. L., Bridges, A. J., Casner, H. G., & Bacon, A. K. (2010, November). *Alcohol expectancies and valuations: Does context matter?* Poster presented at the meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Bacon, A. K., Ham, L. S., Casner, H. G., Shaver, J. A., Milner, L. A., & Zamboanga, B. L. (2010, November). *Situation-specific alcohol outcome expectancies and the relationship between social anxiety and hazardous alcohol use*. Poster presented at the meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Casner, H. G., Van Tyne, K., Davis, J. C., Ham, L. S., English, T., & Zamboanga, B. L. (2010, November). *Shy guys finish (their drinks) first: Gender as a moderator of social anxiety and hazardous alcohol use among college students*. Poster presented at the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Shaver, J. A., Casner, H. G., Bacon, A. K., English, T., & Ham, L. S. (2010, November). *Interpersonal avoidance and self-efficacy as predictors of depressive symptoms in a socially anxious sample*. Poster presented at the meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Chappell, C. L., Beene, J. N., Bacon, A. K., Casner, H. G., Gilbertson, E. N., & Ham, L. S. (2010, October). *Relationship between social anxiety and moral identity among college students*. Poster presented at the meeting of the Arkansas Psychological Association, Little Rock, AR.

Beene, J. N., Chappell C. L., Bacon, A. K., Shaver, J. A., Casner, H. G., & Ham, L. S. (2010, October). *Lack of Perceived Control of Undesirable Affect is Associated with Sleep Quality*. Poster presented at the meeting of the Arkansas Psychological Association, Little Rock, AR.

Casner, H. G., Shaver, J. A., Bacon, A. K., & Ham, L. S. (2010). *Anxiety sensitivity related to social concerns and hazardous drinking in college students*. Poster presented at the meeting of the Research Society on Alcoholism, San Antonio, TX.

Shaver, J. A., Ham, L. S., Bacon, A. K., English, E. E., & Beene, J. N. (June, 2010). *Anxiety sensitivity, non-acceptance of negative affect, and drinking to cope*. Poster presented at the meeting of the World Congress of Behavioral and Cognitive Therapies, Boston, MA.

Van Tyne, K., Hostetler, D., Zamboanga, B. L., Olthuis, J., Ham, L. S., & Pole, N., McKean-Peraza, M., Restrepo, M., & Anziani, S. (2010, April). *Alcohol expectancies and intentions to drink among adolescent abstainers*. Poster presented at the meeting of the Western Psychological Association, Cancun, Mexico.

Van Tyne, K., Zamboanga, B. L., Olthuis, J. V., Lee, J. J., & Ham, L. S. (2010, March). *Alcohol consumption and drinking game participation among adolescents: What they think and why they drink*. Poster presented at the meeting of the Society for Research on Adolescence, Philadelphia, PA.

Culbertson-Faegre, A., Hawkes, E., & Lampinen, J.M. (2010). *The Weapon Focus Effect on Target Present and Target Absent Lineups*. Annual convention of the Association for Psychological Science. Boston, MA.

Lampinen, J.M., Petretic, P., Peters, C., & White-Chaisson, E. (2010). *Trauma and resilience: The families of missing persons*. Meeting of the International Society for Traumatic Stress Studies. Montreal, Quebec, Canada.

Renick, G., Hatfield, H. & Lampinen, J.M. (2010). *That Sam Stone Is So Clumsy! : Child Eyewitness Accuracy and Suggestibility*. Annual Convention of the Association for Psychological Science. Boston, MA.

Sweeney, L., & Lampinen, J.M. (2010). *Arkansans' Attitudes Regarding the Use of the Death Penalty for Child Rape*. Annual Convention of the Association for Psychological Science. Boston, MA.

Blumenthal, H. B., Leen-Feldner, E. W., & Knapp. (2011). *An Experimental Test of Trauma-Relevant Cue Exposure and Alcohol Use among Adolescents*. Paper presented at the 34th annual scientific meeting of the Research Society on Alcoholism, Atlanta, GA.

Bujarski, S., Leen-Feldner, E., Feldner, M. T., Trainor, C. D., Babson, K. A., & Bonn-Miller, M. O. (2010). *Posttraumatic Stress Symptoms Predict Coping Motivation for Marijuana Use among Traumatic Event-Exposed Adolescents*. Poster presented at the 44<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.

Leen-Feldner, E. W., Trainor, C., Frala, J., McClure, C., Sanders, S., & Zvolensky, M. J. (2010). *Panic-relevant cognitive and affective vulnerability among adolescent smokers*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies. San Francisco, CA.

Bunaciu, L., Leen-Feldner, E. W., Feldner, M. T., & Blumenthal, H. (2010). *An examination of the relations between PTSD and parent-child relationship quality, child internalizing problems, and parenting tactics in the National Comorbidity Survey-Replication*. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies. San Francisco, CA.

Blumenthal, H., Leen-Feldner, E. W., & Gahr, J. (2010). *Relations among pubertal development, maturational timing, and social anxiety in a community-based sample of adolescents*. Poster presented at the 13<sup>th</sup> biennial meeting of the Society for Research on Adolescence. Philadelphia, PA.

Blumenthal, H., Leen-Feldner, E. W., & Gahr, J. (2010). *Drinking to Cope: Social anxiety predicts coping-related alcohol consumption among adolescents*. Poster presented at the 13<sup>th</sup> biennial meeting of the Society for Research on Adolescence. Philadelphia, PA.

Leen-Feldner, E. W., Blumenthal, H., & Frala, J. L. (2010). *Adolescent smoking, anxiety sensitivity, and panic*. Poster presented at the 13<sup>th</sup> biennial meeting of the Society for Research on Adolescence. Philadelphia, PA.

Biller, A. K., Levine, W. H., & Battinich, W. R. (2010). *Partial phonological overlap causes cross-language activation in native-English learners of Arabic*. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

Autry, K. S., & Levine, W. H. (2010). *The time course of presupposition processing as revealed by negation*. Poster presented at the 16th Annual Conference on Architectures and Mechanisms for Language Processing.

Grippio, M., & Levine, W. H. (2010). *Effects of authorial 'presence' on literary response*. Poster presented at the Twentieth Annual Meeting of the Society for Text & Discourse.

Lohr, J.M. (2010, April). *How the practitioner can use evidence-based practice*. Psychotherapy and Science: Improving practice and avoiding malpractice. National Conference of the School of Social Work, University of North Carolina, Wilmington, N.C.



Adams, T.G., Cisler, J.M., & Lohr, J.M.. (2010). *Impaired attentional control in contamination-based Obsessive-Compulsive Disorder*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Adams, T.G., Deacon, B., Lohr, J.M., & Bridges, A.J. (2010, November). *The development and psychometric validation of the Emetophobia Inventory*. Francisco, CA. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Badour, C.L., Adams, T.G., Cisler, J.M., Lohr, J.M., & Feldner, M.T. (2010, November). *The moderating role of disgust propensity and sensitivity in the relation between interpersonal violence and Obsessive-Compulsive Disorder*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Brady, R.E., Adams, T.G., & Lohr, J.M. (2010). *Childhood health experiences, negative affect, and the development of adult health anxiety*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Brady, R.E., Adams, T.G., & Lohr, J.M. (2010, November). *Relative contributions of anxiety sensitivity and disgust sensitivity in health anxiety*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Jacobs, J., Adams, T.G., Lohr, J.M., & Brady, R.E. (2010, November). *A meta-analysis of component-controlled cognitive behavioral treatment for anxiety and mood disorders*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Smith, R.C., Cisler, J.M., & Lohr, J.M.(2010, November). *General psychological vulnerabilities, experiential avoidance, and Posttraumatic Stress Disorder*. Paper presented at the 44<sup>th</sup> Annual Convention of the Association of Cognitive and Behavioral Therapies, San Francisco, CA.

Petretic, P., Chaisson, E., Karlsson, M., and Burleson, K. (2010, July). *Predicting adult attachment strategies and styles from experiences of corporal punishment and/or child abuse*. Paper presented at the International Family Violence and Child Victimization Research Conference, Portsmouth, NH.

Karlsson, M., Burleson, K., Petretic, P., Makin-Byrd, L., & White Chaisson, E. (2010, July). *Parental physical punishment and college students' current health status*. Paper presented at the International Family Violence and Child Victimization Research Conference, Portsmouth, NH.

Lampinen, J., Petretic, P., Peters, C., & White Chaisson, E. (2010, November). *Trauma and resilience: The families of missing persons*. Poster presented at the 26th Annual Meeting of the International Society for Traumatic Stress Studies, Montreal, CN.

Petretic, P. (2010, November). *Evaluating the predictive ability of positive and negative posttraumatic cognitive appraisals for long-term outcome following child abuse*. Paper presented in the Symposium: Cognitive appraisals and traumatic stress at the 26th Annual Meeting of the International Society for Traumatic Stress Studies, Montreal, CN.

Leighton, D., Schroeder, D.A., & Banks, K.A. (2010, January). *Reactions to equality norm violations*. Paper presented at the convention of the Society of Personality and Social Psychology, Las Vegas, NV.

## **SCHOOL OF SOCIAL WORK**

### Faculty Achievements in Refereed Journal Articles

Christy-McMullin, K., Murphy, Y., Shobe, M. A., Jordan, S., & Barefield, L. (2010). Second generation IDA research: Moving toward an experimental design. *Journal of Evidence-Based Social Work*, (7)3, 251-266.

Murphy-Erby, Y., Christy-McMullin, K., Stauss, K., & Schriver, J. (2010). Multi-Systems Life Course: A New Practice Perspective and Its Application in Advanced Practice with Racial and Ethnic Populations. *Journal of Human Behavior in the Social Environment*, 20(5), 1-16.

Ross, D., Ferguson, A., Cassas, K., Bosha, P. (2010). Factors that prevent roughstock rodeo athletes from wearing protective equipment. *Current Sports Medicine Reports*, 9(6), 342-346.

Ferguson, A. (in press). Wanted: Gerontological social workers factors related to social work students interest in the field. *Educational Gerontology*.

Christy-McMullin, K., Murphy, Y., Shobe, M., Jordan, S., Barefield, L., & Gergerich, E. (2010). Second-generation IDA research: What are the effects of IDA programs and asset purchases? *Journal of Evidence-Based Social Work*, (7)3, 251-266.

Norris, A., Zajicek A., & Murphy-Erby, Y. (2010). An exploration of an intersectional perspective in rural poverty research and public policy implications. *Journal of Poverty*,

Murphy-Erby, Y., Christy-McMullin, K., Stauss, K., & Schriver, J. (2010). Multi-Systems Life Course: A New Practice Perspective and Its Application in Advanced Practice with Racial and Ethnic Populations. *Journal of Human Behavior in the Social Environment*, 20(5), 1-16.

Murphy, Y., Stauss, K., Boyas, J., & Bivens, V. (in press). Voices of Latino parents and teens: Tailored strategies for parent-child communication related to sex. *Journal of Children and Poverty*.

Stauss, K., Boyas, J., & Murphy, Y. (in press). Implementing and evaluating a school-based abstinence program: Challenges and solutions. *Sex Education Journal*.

Murphy-Erby, Y., Christy-McMullin, K., Stauss, K., & Schriver, J. (2010). Multi-Systems Life Course: A New Practice Perspective and Its Application in Advanced Practice with Racial and Ethnic Populations. *Journal of Human Behavior in the Social Environment*, 20(5), 1-16.

17

Shobe, M. A. & Boyas, J. (in press). Gender differences in depression among Mexican immigrants: The role of human and financial capital. *Hispanic Health Care International*.

Long, D. D., & Shobe, M. A. (2010). An examination of the virtues of a grant writing project utilizing women's ways of knowing. *Administration in Social Work*, 34(5), 392-404.

Christy-McMullin, K., Murphy, Y., Shobe, M. A., Jordan, S., & Barefield, L. (2010). Second generation IDA research: Moving toward an experimental design. *Journal of Evidence-Based Social Work*, (7)3, 251-266.

Shobe, M. A. & Coffman, M. (2010). Barriers to Health Care Utilization among Latinos: Recommendations for Social Workers (Chapter 3). In Furman & Negi (Eds.) *Social Work Practice with Latinos*. Lyceum Books.

Christy-McMullin, K., Murphy, Y., Shobe, M. A., Jordan, S., Gergerich, E., & Barefield, L. (2010). Second generation IDA research: Preliminary findings. *Journal of Evidence-Based Social Work*, 7(3), 251-266.

Murphy-Erby, Y., Christy-McMullin, K., Stauss, K., & Schriver, J. (2010). Multi-Systems Life Course: A New Practice Perspective and Its Application in Advanced Practice with Racial and Ethnic Populations. *Journal of Human Behavior in the Social Environment*, 20(5), 1-16.

Murphy, Y., Stauss, K., Boyas, J., & Bivens, V. (in press). Voices of Latino parents and teens: Tailored strategies for parent-child communication related to sex. *Journal of Children and Poverty*.

Stauss, K., Boyas, J., & Murphy, Y. (in press). Implementing and evaluating a school-based abstinence program: Challenges and solutions. *Sex Education Journal*.

#### VII. Non-refereed publications and proceedings

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA Arkansas Participants at Wave 2.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA New Mexico Participants at Wave 2.

Hurd, D. (2010). Created the Oversight Strategy Plan for the Arkansas Partnership in Public Child Welfare.

Hurd, D. (2010). Revision of a Grant Writing Guide for Fayetteville Adult Education workshop participants.

Murphy-Erby. EDA Qualitative Report (Oct 2010)

Murphy-Erby. EDA Quantitative Report (Oct 2010)

Shobe, School of Social Annual Report: July 1, 2010.

Shobe, M. A., Christy-McMullin, K., & Jordan, S. (July 20, 2010). *Ford Foundation Annual Report*.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA Arkansas Participants at Wave 2.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA New Mexico Participants at Wave 2.

#### VII. Non-refereed publications and proceedings

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA Arkansas Participants at Wave 2.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA New Mexico Participants at Wave 2.

Hurd, D. (2010). Created the Oversight Strategy Plan for the Arkansas Partnership in Public Child Welfare.

Hurd, D. (2010). Revision of a Grant Writing Guide for Fayetteville Adult Education workshop participants.

Murphy-Erby. EDA Qualitative Report (Oct 2010)

Murphy-Erby. EDA Quantitative Report (Oct 2010)

Shobe, School of Social Annual Report: July 1, 2010.

Shobe, M. A., Christy-McMullin, K., & Jordan, S. (July 20, 2010). *Ford Foundation Annual Report*.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA Arkansas Participants at Wave 2.

Christy-McMullin, K., Shobe, M. A., & Jordan, S. (July 21, 2010). Comparison of IDA and Non-IDA New Mexico Participants at Wave 2.

### VIII. Other Lectures, Papers, Presentations

Shobe, M.A., Christy-McMullin, K., Hamilton, L., Murphy-Erby, Y., & Jordan, S. (2011). *Personal and Social Well-Being: What are Financial Asset Contributions?* Paper presentation, New Directions in the Humanities 9th Annual International Conference, Granada, Spain, June 2011.

Christy-McMullin, K., & Shobe, M. A. (2010). *Well-Being of Arkansas & New Mexico Participants: A Longitudinal Study*. AFI 2010 Conference & Learning Academies. Washington, DC, July 27-30.

Christy-McMullin, K., & Shobe, M. A. (2010). *Well-Being of Arkansas & New Mexico Participants: A Longitudinal Study*. 2010 Assets Learning Conference: The Assets Movement at its Moment. Washington, DC, September 22-24.

Schrivier, J., Murphy, Y. & Christy-McMullin, K. Multi-Systems Life Course: A Model for Advanced Graduate Social Work Education. Poster presentation, Annual Program Meeting, Council on Social Work Education. Portland, OR, Oct. 2010.

Ferguson, A. & Stauss, K. (October, 2010). *Bridging Two Worlds. Using Multisystem. Life Course: Perspective in Merging Two Non-Profit Organizations*. (Poster). Council on  
Stauss, K. & Ferguson, A. (October, 2010). *Bridging Two Worlds: Using Knowledge Management Theory to Understand the Merging of Two Nonprofit Organizations*. Annual Meeting 2010. American Society for Information Science and Technology in Pittsburgh, Pennsylvania.

Hurd, D. (2010). *Mentoring Child Welfare Workers*. Presented at the Paris International Conference on Education, Economy and Society. Paris, France, July 2010.

Hurd, D. (2011). *Examining the Effectiveness of a Child Welfare Stipend Program*. Paper accepted for presentation at the 6th International Conference on Interdisciplinary Social Sciences in New Orleans, LA. July 11-13, 2011.

Shobe, M.A., Christy-McMullin, K., Hamilton, L., Murphy-Erby, Y., & Jordan, S. (2011). *Personal and Social Well-Being: What are Financial Asset Contributions?* Paper presentation, New Directions in the Humanities 9th Annual International Conference, Granada, Spain, June 2011.

Schrivier, J., Murphy-Erby, Y., & Christy-McMullin, K. (2010). *Multi-System Life Course: A Model for Advanced Graduate Social Work Education*. Council on Social Work Education Annual Program Meeting, Portland, OR, October 13-16, 2010.

Schrivier, J., Murphy, Y. & Christy-McMullin, K. Multi-Systems Life Course: A Model for Advanced Graduate Social Work Education. Poster presentation, Annual Program Meeting, Council on Social Work Education. Portland, OR, Oct. 2010.

Shobe, M.A., Christy-McMullin, K., Hamilton, L., Murphy-Erby, Y., & Jordan, S. (2011). *Personal and Social Well-Being: What are Financial Asset Contributions?* Paper presentation, New Directions in the Humanities 9th Annual International Conference, Granada, Spain, June 2011.

Christy-McMullin, K., & Shobe, M. A. (2010). *Well-Being of Arkansas & New Mexico Participants: A Longitudinal Study*. AFI 2010 Conference & Learning Academies. Washington, DC, July 27-30.

Christy-McMullin, K., & Shobe, M. A. (2010). *Well-Being of Arkansas & New Mexico Participants: A Longitudinal Study*. 2010 Assets Learning Conference: The Assets Movement at its Moment. Washington, DC, September 22-24.

Stauss, K., Ferguson, A., & North, A. (2010). Bridging Two Worlds: Using knowledge management theory to understand the merging to two non-profit organizations. International Conference of Information and Knowledge Management. (refereed paper)

Stauss, K., Murphy-Erby, Y. & Boyas, J. (2010). A Model for Preventing Teen Pregnancy in a Rural Latino Community. Hawaii International Conference on Social Sciences. 2010. (refereed paper).

Ferguson, A., Stauss, K. & North, A. (2010). Bridging Two worlds. Using the multi systems life course perspective in merging two non-profit organizations. (Poster). Council of Social Work Education. Annual meeting. (Poster).

## **SOCIOLOGY and CRIMINAL JUSTICE**

### Books

Fitzpatrick, Kevin M. and Mark La Gory, 2010, *Unhealthy Cities: Poverty, Race, and Place in America*. ISBN:0-415-80517-9 New York, NY: Routledge; Taylor/Francis.

### Reports

Fitzpatrick, Kevin M., Wendie Choudary, and Emily Hallgren, 2010, *Hope 2010: An Annual Community Service-Focused Event for Northwest Arkansas*. Community Vol. 3:4: Community and Family Institute, University of Arkansas.

Fitzpatrick, Kevin M. and Brad Myrstol, 2010, *Northwest Arkansas Community Survey*, Community and Family Institute, University of Arkansas.

Fitzpatrick, Kevin M., 2011 Counting NWA's Homeless: Preliminary Results from the 2011 Homeless Census, Community and Family Institute, University of Arkansas.

Fitzpatrick, Kevin M., Wendie Choudary, and Emily Hallgren 2011, "Putting a Face on Homelessness," Community and Family Institute, University of Arkansas.

Fitzpatrick, Kevin M., 2011, Northwest Arkansas Point-in-Time Homeless Census, Final Report, Community and Family Institute, University of Arkansas.

Morimoto, Shauna A. 2011 "All Are Welcome: Building an Inclusive Community" *Jones Center Diversity and Inclusion Program Report*, Prepared for the Walton Family Foundation.

Smith, Brent L., J. Cothren, and Paxton Roberts, 3 Quarterly Reports, DHS/START IUSSD Project.

Smith, Brent L. and Paxton Roberts, 4 Progress Reports, DHS/START Measuring Intervention Success (MISTA) Project.

Smith, Brent L. and Paxton Roberts, 3 Progress Reports, DHS/START Borders Project.

Smith, Brent L. and Paxton Roberts, 1 Progress Report, DHS/START Radicalization Project.

### Chapters

Bradley-Engen, Mindy S. and Carrie Hobbs, "To Love, Honor, and Strip: Romantic Relationships and Adjustment Strategies in Adult Careers," M. Ditmore, A. Levy, & Willman-Navarro (eds.) *Sex Work Matters: Beyond Divide*, London, United Kingdom: Zed Press.

Morimoto, Shauna A. and Kevin M. Fitzpatrick, 2011, "Civic Engagement and the Urban Student: What Are Schools Doing and How Are They Doing It?" In *Urban and Rural Schools: Problems, Solutions, Progress*, edited by Danielle E. Lynch. Hauppauge, NY: Nova Publishers.

Smith, Brent, et al., 2010, "Right Wing Extremism and Military Service," Andrew Bringuel et al., (Eds.) *Terrorism Research and Analysis Project* (Vol. 1), pp. 345-368, Washington, DC: Government Printing Office.

### Refereed Articles

Teasdale, Brent and Bradley-Engen, Mindy S, "Adolescent Same-Sex Attraction and Mental Health: The Role of Stress and Support," *The Journal of Homosexuality* 57(2):287-309, 2010.

Bradley-Engen, Mindy S., Gary S. Cuddeback, Mathew D. Gayman, David Mancuso, and Joseph P. Morrissey, "Trends in State Prison Admission of Offenders with Severe Mental Illness," *Psychiatric Services* 61:1263-1265.

Haff, Darlene R., Kevin M. Fitzpatrick, and H. Hugh Floyd, 2010, "Social Capital and Violence across Racial and Ethnic Samples of Adolescents," *Journal of Health Disparities Research and Practice*, 4 (2), 1-15.

Fitzpatrick, Kevin M., 2011, "Swimming in Uncharted Waters: Understanding and Developing the Faculty Role for Residential Life," *Journal of College and University Student Housing*. 38:70-79.

Kevin M. Fitzpatrick and Brad Myr Stol, 2011, "The Jailing of America's Homeless: Evaluating the Rabble Management Thesis," *Crime and Delinquency*. 57:271-297.

Holyfield, Lori and Clifford Beacham, "Memory Brokers, Shameful Past, and Civil War Commemoration," *Journal of Black Studies*, Volume 42 (3): 436 – 456.

Morimoto, Shauna A. and Lewis A. Friedland, 2011, "The Changing Lifeworld of Youth in the Information Society" *Youth & Society* 43(2):549-567.

Morimoto, Shauna A., Anna M. Zajicek, Valerie H. Hunt, and Joseph J. Rencis, 2010, "Faculty Composition and Doctorates Awarded: An Analysis and Comparison of Colleges of Engineering at ADVANCE Institutions and their Non-ADVANCE Peers (2001-2009)" *Proceedings of the 2010 Midwest Section of the American Society of Engineering Education*.

Morimoto, Shauna A. 2010. "Networked Democracy: School Based Volunteerism and Youth Civic Engagement" *Research in Political Sociology* 18:129-149.

Smith, Brent L., 2010, "Measuring Intervention Success in Terrorism Activities," *Research in*

*Brief*, START Bulletin, Fall 2010.

Yang, Song and Lu Zheng, 2011, "The Paradox of De-coupling: A Study of Flexible Work Program and Workers Productivity" *Social Science Research* 40/1: 299-311.

### Invited Lectures

Fitzpatrick, Kevin M., "Homelessness in America: Facts and Stories from Life on the Streets," 2010. Presented at Osher Institute for Life-Long Learning, University of Arkansas, Fayetteville, AR (October)

Fitzpatrick, Kevin M., "Homelessness in NWA: Reaching Out to the Most Needy," 2010, Presented at ALRUSA of Fayetteville, Fayetteville, AR, October.

Fitzpatrick, Kevin M., "Unhealthy Cities: Discussion and Q&A," 2010, Presented at Nightbird Books, Fayetteville, AR (November)

Fitzpatrick, Kevin M., "Northwest Arkansas Community Survey: What Are We Learning about NWA?" presented at the Schmieding Center for Aging, Springdale, AR (November)

Fitzpatrick, Kevin M., "American Refugees: Homelessness in NWA and Beyond," Students Against Homeless Panel Discussion, University of Arkansas, Fayetteville, AR (February)

Fitzpatrick, Kevin M., "Poverty, Race, and Health: Does Place Matter?" Graduate Education Psychology Community Colloquium Series, University of Arkansas, Fayetteville, AR (April)

Kelly Damphousse and Brent Smith, 2010, "What can open source data tell us about precursor behavioral patterns among American terrorists?" National Counter-Terrorism Center Conference, Washington, DC (July 28)

Smith, Brent L. and Kelly Damphousse, 2010, "Characteristics of Border Crossers Involved in U.S. Terrorism Incidents," DHS/START Annual Center of Excellence Meeting, Washington, DC, (September 23)

Smith, Brent L. and Kelly Damphousse, 2010, "Measuring Intervention Success in Terrorism Activities," DHS/START Annual Center of Excellence Meeting, Washington, DC, (September 23)

Kelly Damphousse, Brent Smith, and Summer Jackson, 2011, "Countering Violent Extremism in the United States: Measuring Intervention Success in Terrorist Activities," Joint Meeting of DHS and Public Safety Canada. Washington, DC (May 10)

### Other Lectures, Papers and Oral Presentations

Adams, Douglas, 2011, panel critic: author meets critics, "Ethical Imperialism," by Zachary M. Schrag, Association of Practical and Professional Ethics Annual Meeting, Cincinnati, OH (March)

Adams, Douglas, 2011, "Issues and Challenges of Research Ethics Education in the University, Particularly in the Area of Social Sciences," Association of Practical and Professional Ethics Annual Meeting, Cincinnati, OH (March)

Bradley-Engen, Mindy S., 2010, "Correctional versus Community-Based Diagnoses of Severe Mental Illness/Co-Occurring Disorders: Examining Diagnosis Concordance and Post-Release Outcomes," American Society of Criminology Annual Conference. San Francisco, CA (November)

Engen, Rodney, 2010, "Inequality, Politics, and Sentencing Reform in the U.S.," American Society of Criminology Annual Conference. San Francisco, CA (November)

Gordon-Jokinen Maija Hanna and Kevin Fitzpatrick, 2010, "State of Being: An Analysis of Risk and Capital among Arkansas Youth," Annual Meeting of the American Sociological Association, Atlanta (August)

Miller, Elizabeth, Kevin Fitzpatrick, and Mark LaGory, 2011, "Quality of Life for the Homeless: Do Time and Place Matter?" Annual Meeting of the American Sociological Association, Las Vegas (August)

Gordon-Jokinen Maija Hanna and Kevin Fitzpatrick, 2011, "Exploring Youth and Risk," Annual Meeting of the American Sociological Association, Las Vegas (August)

Gordon-Jokinen Maija Hanna and Kevin Fitzpatrick, 2011, "Risk and Capital: Regional and National Differences in Children's Well-Being," presented at the Southern Sociological Society Meetings, Jacksonville, FL (April)

Benton, Gregory, Stephen K. Boss, Kevin Fitzpatrick, Carol Gattis, Marty D. Matlock, Tahar Messadi, Kim LaScola Needy, Harrison Pittman, Jennie Sheerin Popp, 2011, "On the Development of a University-Wide Minor in Sustainability at the University of Arkansas," presented at the Annual Engineering Sustainability Conference, Pittsburgh (April)

Holyfield, Lori, "'Occupational Edgework and Military Culture," 2010, Society for the Study of Symbolic Interaction Conference (August)

Morimoto, Shauna A., Valerie Hunt, Anna Zajicek and Joe J. Rencis, 2010, "Examining Institutional Transformation: Feminist Reflections on the NSF ADVANCE Program" American Sociological Association Annual Meeting, Atlanta, GA (August)

Hunt, Valerie, Shauna A. Morimoto, Anna Zajicek, Rodica Lisnic, 2010, "Policy Frames and the Advancement of Women in the Sciences: Women of Color and the Need for an Institutional Approach" Association of Black Sociologists Annual Meeting, Atlanta, GA (August)

Morimoto, Shauna A., Anna M. Zajicek, Valerie H. Hunt, and Joseph J. Rencis, 2010, "Faculty Composition and Doctorates Awarded: An Analysis and Comparison of Colleges of Engineering at ADVANCE Institutions and their Non-ADVANCE Peers (2001-2009)" Midwest Section of the American Society of Engineering Education Annual Meetings, Lawrence, KS (September)

Jackson, Summer, Kelly Damphousse, and Brent L. Smith, 2010, "Measuring Intervention Success in Terrorism Activities," ASC Annual Meeting, San Francisco, CA (November 19)

Murray, Kimberly, Brent L. Smith, and Paxton Roberts, 2010, "Border Crossings by Terrorists Targeting the United States," ASC Annual Meeting, San Francisco, CA (November 19)

Hartsfield, Jennifer, Kelly Damphousse, and Brent L. Smith, 2010, "Women and U.S. Domestic Terrorist Organizations: Who are they and what role do they play?" ASC Annual Meeting, San Francisco, CA (November 19)

## **WORLD LANGUAGES, LITERATURES and CULTURES**

### Books

Pritchett, Kay. In Pursuit of Poem Shadows: Canelo's Second Poetics. Although this manuscript was previously accepted, other editorial tasks were carried out during the Summer and Fall of 2010 and the Spring of 2011. The book was issued on April 20, 2011. Bucknell University Press. 220 pp.

### Chapters in Books



Fredrick, David. "The Gaze and the Elegiac Imaginary." *The Blackwell Companion to Roman Elegy*. Ed. Barbara Gold. London: Blackwell (accepted, to appear in 2011).

Hoyer, Jennifer. "So wie ich bin": An Introduction to the One-Act Plays of Silke Hassler". *Zeitenwende: Österreichische Literatur seit dem Millennium, 2000-2010*. Ed. Michael Boehringer & Susanne Hochreiter. Vienna: Praesens. Forthcoming 2011.

Hoyer, Jennifer. "A Kohlhaas for the Post-Holocaust Era: Nelly Sachs's Eli." *Heinrich von Kleist 1777-1811-2011: Artistic and Political Legacies*. Ed. Jeffrey L. High (forthcoming 2011, Rodopi).

Jones, Linda. "Interaction in Google Wave; Chat Rooms roll out with the tide." In Zhang, F. ed., "Computer-Enhanced and Mobile-Assisted Language Learning: Emerging Issues and Trends." (Forthcoming, 2011).

Pappas, Alexandra. "More than Meets the Eye: The Aesthetics of (Non)sense in the Ancient Greek Symposium." *Aesthetic Value in Antiquity*. Ed. R. Rosen and I. Sluiter. Leiden: Brill Press (accepted, to appear in 2012).

Pappas, Alexandra. "Viewing the Hellenistic Technopaegnia." *MOUSA PAIZEI*. Ed. J. Kwapisz. Berlin: Walter de Gruyter Press (submitted, acceptance pending).

Restrepo, Luis Fernando. "Colonial Thought." *A Companion to Latin American Philosophy*. Edited by Susana Nuccetelli, Ofelia Schutte, and Otávio Bueno. New York: Blackwell, 2010. 36-52.

Restrepo, Luis Fernando. "Memory and Justice." *Native American Studies Across Time and Space*. Edited by Oliver Scheiding. Heidelberg: Heidelberg Universitätsverlag, 2010. 91-104.

Villalobos, Sergio. "La excepción soberana: dictadura y razón imperial." *Vértigo de la política: formas de pensar la izquierda*. Santiago: Editorial Escapate, Universidad de los Lagos, 2010. 197-237.

Villalobos, Sergio. "Deleuze: el vértigo de la inmanencia." *Política y acontecimiento*. Edited by Miguel Vatter y Miguel Ruiz Stull (Forthcoming, 2011).

Villalobos, Sergio. "Marx-Heidegger: Notas sobre la complementariedad entre destrucción y crítica del valor." *Crítica de la Acumulación*. Edited by Oscar Cabezas, Alessandro Fornazzari, and Elixabetta Ansa. Santiago: Editorial Escapate, Universidad de los Lagos: 2010. 241-262.

Villalobos, Sergio. "Catastrophe and Repetition: On Patricio Marchant's Poetical Thinking." *Arena Romanistica* (forthcoming, 2010). [There is an expanded Spanish version forthcoming: "Catástrofe y repetición: sobre Patricio Marchant" in Patricio Marchant: lectoescrituras en curso. Argentina-Chile: Editorial La Cebra-Palinodia, 2011].

### Refereed Articles

Billings, Sabrina. "'Education is the key of life': Language, schooling, and gender in Tanzanian beauty pageants." Language & Communication. (In press).

Billings, Sabrina. "'And the winner is...': Hierarchies of language competence and fashion sense in Tanzanian beauty pageants." Crossroads of Language, Interaction, and Culture. (In press).

Comfort, Kathy. "Elzéard Bouffier, Jean Giono's Ecological Saint." Forthcoming, 2011, *Neophilologus*.

Jones, Linda. (2010). From the Cotton Fields to the Ties That Bind: Jim Pusack's enduring impact on today's CALL development. *CALICO Journal*, 27(3), 592-598.

Levine, Daniel. "Josef Kavalier's Odyssey: Homeric Echoes in Michael Chabon's *The Amazing Adventures of Kavalier & Clay*." *International Journal of the Classical Tradition* 17.4 (December 2010) pp. 526-555.

Ruiz, M. Reina. "Cervantes, Góngora y Feliciano Enríquez de Guzmán: voces discordantes de la monarquía cómica." *Cuatrocientos años del Arte Nuevo de hacer comedias de Lope de Vega. Actas selectas del XIV Congreso de la Asociación Internacional de Teatro Español y Novohispano de los Siglos de Oro*. Ed. Vega García-Luengos, Germán and Héctor Urzáiz Tortajada. Valladolid: U de Valladolid Secretariado de Publicaciones e Intercambio Editorial, 2010 (929-936).

Ruiz, M. Reina. "El teatro español sin fronteras: Rafael Rodríguez y 2RC Teatro Compañía de Repertorio." *Gestos* 49 (2010): 177-182.

Villalobos, Sergio. "Literatura y destrucción: aproximación a la narrativa centroamericana actual." *Revista Iberoamericana* (forthcoming, 2011).

Villalobos, Sergio. "A Kind of Hell: Roberto Bolaño and the Return of World Literature." *Journal of Latin American Cultural Studies* 18: 2-3 (2009): 193-205. [There is an expanded Spanish version forthcoming in 2011].

### Unrefereed Publications

### Invited Lectures

Condray, Kathleen. "The Legacy of Friedrich Gerstäcker: How Arkansas Became Germany's Wild West." Osher Institute, Fayetteville, Arkansas, October 2010.

Hoyer, Jennifer. "Der Park, Das Ich und Die Moderne" (German Summer School Taos, July 2010).

Hoyer, Jennifer. "Fleeting and Eternal: The Baroque Poetical Human Being" (Fulbright Colloquium: Integral Approaches to Knowledge, Fayetteville, March 4, 2011).

Pappas, Alexandra. "Picture This! Words as Art in the Ancient Greek World," 3<sup>rd</sup> Annual Lane McGaughy Lecture in Ancient Studies, Willamette University, November 11, 2010, Salem, Oregon.

Restrepo, Luis Fernando. "Diego de Torres." Sewanee: The University of the South. Sewanee, TN (Feb. 22, 2011).

Restrepo, Luis Fernando. "Imperial Justice and Andean Rights." Vanderbilt University, Nashville, TN (Feb. 24, 2011).

Restrepo, Luis Fernando. "The Dream Act: A Nation in Denial." Immigration Forum, UALR Law School (Oct. 15, 2010).

Restrepo, Luis Fernando. "Diego de Torres." Sewanee: The University of the South. Sewanee, TN (Feb. 22, 2011).

Restrepo, Luis Fernando. "Imperial Justice and Andean Rights." Vanderbilt University, Nashville, TN (Feb. 24, 2011).

Restrepo, Luis Fernando. "The Dream Act: A Nation in Denial." Immigration Forum, UALR Law School (Oct. 15, 2010).

Turner, Joan F. "Reflections on 25 Years of TA Training." TAEAC Committee Luncheon. U. of Arkansas (March 2011).

### Other Lectures, Papers, and Oral Presentations

#### Conference presentations

Bachmann, Rachel. "Condemned to Repeat the Past." (Southeast German Studies Workshop, Atlanta, February 2011).

Billings, Sabrina. "Performing ethnicity in Tanzanian beauty pageants." Paper presented at Sociolinguistics Symposium 18: Negotiating Transnational Space and Multilingual Encounters. University of Southampton (England). (September 1-4, 2010).

Christiansen, Hope. "Men in Skirts, New Amazons: Women Doctors in Colette Yver's Princesses de Science." Kentucky Foreign Language Conference, University of Kentucky, April 2011.

Cimpean, Oana. "Roland and the Latvian Appropriation of a French Myth." Kentucky Foreign Language Conference, University of Kentucky, April 2011.

Comfort, Kathy. "Reconstituting Identity in Evelyn Le Garrec's *La Rive allemande de ma mémoire*." Kentucky Foreign Language Conference, University of Kentucky, April 2011.

Condray, Kathleen. "Beyond the Book: Literature Projects to Capture Students' Imaginations in an Age of Utility." American Council on the Teaching of Foreign Languages, Boston, Massachusetts, November 2010.

Hoyer, Jennifer. "Role Playing Games, Language, and Literature" (ACTFL/AATG, Boston, Nov. 20<sup>th</sup>, 2010)

Jones, Linda. "Online Chat Activities: Experiencing Greater Authentic Communication in Google Wave". Refereed paper given at the American Council of the Teaching of Foreign Languages Conference, Boston, November 2010.

Fredrick, David. "Queering the Locus Amoenus in Ovid's *Metamorphoses* and the Roman House," Annual Meeting of the Classical Association of the Atlantic States, October 7-9, Elizabeth, New Jersey.

Fredrick, David. "Visualizing Pompeian Houses." Faculty Research Forum, Eta Sigma Phi, November 18, 2010, University of Arkansas.

Fredrick, David. "Whither Priapus: Masculinity and Metaphor in the Roman Garden." Gender Studies Faculty Research Colloquium, March 17, 2011, University of Arkansas.

Levine, Daniel. "Ancient Mediterranean Environmental Degradation and Management: Fish and Aquaculture." Paper delivered in the panel session, "Fish Ecology in the Ancient Mediterranean and the Modern World: Past, Present and Future Sustainability." March 4, 2011, Fulbright Colloquium: Integral Approaches to Knowledge, University of Arkansas.

Pappas, Alexandra. "The Aesthetics of (Non)sense: Inscriptions and the Ancient Greek Symposium," International Penn-Leiden Colloquium VI, July 7, 2010, University of Pennsylvania, Philadelphia, Pennsylvania.

Pappas, Alexandra. "LEUSSE ME: Viewing the Hellenistic Technopaegnia," International Conference on Greek and Latin Technopaegnia, Riddles, Acrostichs, Puns, Metrical Curiosities, May 7, 2011, University of Warsaw, Warsaw, Poland.

Pappas, Alexandra. "Making Sense of Nonsense: Research on Nonsense Inscriptions and the Ancient Greek Symposium," Faculty Research Forum, Eta Sigma Phi, November 18, 2010, University of Arkansas.

Pritchett, Kay. "Exegetic Dissonance in Canelo's Dulce nadie." Kentucky Foreign Languages Conference, Lexington, KY (April 16, 2011).

Puente, Lindsay. "Discover America: Capoeira and Brazil." University of Arkansas Multi-Cultural Center, Fayetteville, AR (February 15, 2011). Lecture and Demonstration.

Puente, Lindsay, and Centrosul Capoeira. "Capoeira and the African Diaspora." San Juan Capistrano Catholic High School, San Juan Capistrano, CA (March 24, 2011). Lecture and Demonstration.

Puente, Lindsay. "Rewriting the National: Fictional (Auto)Biography and the Caribbean Diaspora." Simon Fraser University. Galliano Room, Fairmont Hotel, Vancouver, Canada (April 3, 2011).

Puente, Lindsay. "Response. UC-CUBA: The State of Research." University of California, Irvine (April 28, 2011).

Ruiz, M. Reina. "Deconstructing the Syllabus." UA Teaching Camp (summer, 2010).

Shchegoleva, Natalia. Arkansas. "Everything Is Comparative: Comparative Multi-Level Model for Evaluation of Literary Translation." Philological Association Annual Conference (7-9 Oct.).

Turner, Joan F. "Personalizing Learning: Building a Meaningful Learning Community." American Council for the Teaching of Foreign Languages Conference, Boston (November 2011).

Wu, Shaojing. "The Tradition of Chinese Utopia." Conference of Utopian Studies.

Wu, Shaojing. "Perils and Promises of Immigrant Cities. MELUS Conference.

### Other Creative Activities

#### Book Reviews

Arenberg, Nancy. Höfer, Bernadette. Psychosomatic Disorders in Seventeenth-Century French Literature. Burlington, VT: Ashgate, 2009. Forthcoming, 2011, Dalhousie French Studies.

Christiansen, Hope. Cropper, Corry. Playing at Monarchy: Sport as Metaphor in Nineteenth-Century France. Lincoln: UP of Nebraska, 2008. The French Review 84.6 (May 2011): 1285-86.

Christiansen, Hope. Rogers, Peter. The Mystery Play in Madame Bovary: moeurs de province. New York: Rodopi, 2009. Forthcoming, 2011, The French Review.

Christiansen, Hope. Rifelj, Carol. Coiffures: Hair in Nineteenth-Century French Literature and Culture. Newark: U of Delaware P, 2010. Forthcoming, 2011, The French Review.

Christiansen, Hope. Whidden, Seth, ed. Models of Collaboration in Nineteenth-Century French Literature: Several Authors, One Pen. Burlington, VT: Ashgate, 2009. Forthcoming, 2011, Nineteenth-Century French Studies.

Comfort, Kathy. Romestaing, Alain. Jean Giono: Le Corps à l'œuvre. Paris: Champion, 2009. Forthcoming, 2011, The French Review.

Condray, Kathleen. Review of: Fügert, Nadja and Ulrike Richter. *Berwerbungstraining*. Stuttgart, Klett, 2009. Paper, 96 pp., €9.95. <<www.klett.de>> Die Unterrichtspraxis 43.2: 213-214.

Levine, Daniel. "Heirs of Homer: A Recent Study of Odysseus' Recurring Returns." Book review of *The Return of Ulysses: A Cultural History of Homer's Odyssey* by Edith Hall, Baltimore: The Johns Hopkins University Press, 2001. *International Journal of the Classical Tradition*, to appear in June 2011.

Daniel Levine. Book review of *New Heroes in Antiquity: From Achilles to Antinoos*, by Christopher P. Jones, Harvard University Press: Cambridge, Massachusetts and London, 2010. *The Historian* (in press).

Pappas, Alexandra. Book review of *Image and Text in Greco-Roman Antiquity*, by Michael Squire, Cambridge University Press, 2009. (Submitted August 2010, forthcoming 2011, *Classical World*).

### Software Reviews

Jones, L. (2010). Review of BYKI French, Deluxe Edition. *CALICO*, 28(1),98-104. (E)

## **SAM M. WALTON COLLEGE OF BUSINESS**

### **Books:**

Kurtz, David L., Louis E. Boone. *Contemporary Business*. 14<sup>th</sup> Edition. Hoboken, N.J.: Wiley, 2010.

Kurtz, David L., Louis E. Boone. *Contemporary Marketing*. 15<sup>th</sup> Edition. Mason, Ohio: South-Western Cengage Learning, 2011.

Reyes, Javier A., W. Charles Sawyer, *Latin American Economic Development*, London: Routledge, May 2011

### **Chapters:**

Breaux, D., J. C. Carr, R. G. Folger, B. J. Tepper. "An Attributional Analysis of Employees' Responses to Abusive Supervision." *The 'Dark' Side of Management, Research in Management*.

Breaux, D., P. L. Perrewe, L. M. Rogers, A. M. Young, K. L. Zellars. "Mentors Gone Wild." *The 'Dark' Side of Management, Research in Management*.

Breaux, D., M. K. Duffy, B. J. Tepper. "Abusive Supervision as Political Activity: Distinguishing Impulsive and Strategic Expressions of Downward Hostility." *Politics and Organizations; Theory and Research*.

Limayem, M., G. Fillion, T. Laferrière, R. Mantha. "Onsite and Online Students' and Professors' Perceptions of ICT Use in Higher Education," USA: IGI Global Publishing, 2010.

Stassen, R. E. and M. Grünhagen. "Market Saturation or Market Concentration: Evidence on Competition Among U.S. Limited Service Franchise Brands." *New Developments in the Theory of Networks*. New York/Heidelberg: Springer, 2011.

### **Referred Articles:**

Anand, V., I. Reyachav, I. "E-learning Technologies: A Key to Dynamic Capabilities," *Computers and Human Behavior* (forthcoming).

Britton, C., R. K. Ford, D. Gay. "Arkansans Respond to Global Warming Questions: Private Views and Public Policies." *Forum of the Association for Arid Lands Studies* 26, no.1 (2010): 22-28.

Britton, C., R. K. Ford, D. Gay. "Terrorism and Water Supply Security: Evidence from the Arkansas Poll." *Forum of the Association for Arid Lands Studies* 26, no. 1 (2010): 39-44. (2010): 39-44.

Burton, S., K. Bates, E. Howlett, K. Huggins. "Battling the Bulge: Menu Board Calorie Legislation and Its Potential Impact on Meal Repurchase Intentions." *The Journal of Consumer Marketing* 28, no. 2 (2011): 104-113.

Burton, S., J. Andrews, J. Kees, J. Kozup. "Understanding How Graphic Pictorial Warnings Work on Cigarette Packaging." *Journal of Public Policy & Marketing* 29, no. 2 (2010): 265-276.

Burton, S., Y. Cho, E. Howlett, A. Tangari, A., A. Thyroff. "Weighing in on Fast Food Consumption: The Effects of Meal and Calorie Disclosures on Consumer Fast Food Evaluations." *The Journal of Consumer Affairs* 44, no. 3 (2010): 431-462.

Burton, S., J. Folse, J. Kees, A. Tangari. "The Moderating Influence of Consumers' Temporal Orientation on the Framing of Societal Needs and Corporate Responses in Cause-Related Marketing Campaigns." *Journal of Advertising* 39, no. 2 (2010): 35-50.

Burton, S., J. Andrews, J. Kees, A. Tangari. "Can Corrective Ad Statements Based on U.S. v. Philip Morris USA Inc. Affect Consumer Beliefs About Smoking?" *Journal of Public Policy & Marketing* 29, no. 2 (2010): 153-169.

Cho, Y., S. DeVaney. "Understanding College Students' Opinions on a Smoking Policy." *International Journal of Consumer Studies* 34, no. 4 (2010): 388-393.

Curington, W., M. Rapert. "Navigating the Sea of Change: Developing and Implementing an Interdisciplinary Undergraduate Core Curriculum." *Journal of Innovative Education Strategies* 1, no. 1 (2010): 38-46.

Davis, F. D., R. D. Banker, P. M. Leger, P. Loos, G.R. Muller-Putz, R. Riedl, J. Vom Brocke. "NeuroIS: Neuroscientific Approaches in the Investigation and Development of Information Systems." *Business & Information Systems Engineering* 2, no. 6 (2010): 395-40.

Davis, F. D., R. D. Banker, I. Benbasat, A. R. Dennis, A. Dimoka, D. Gefen, A. Gupta, A. Ischebeck, P. Kenning, G. Muller-Putz, P. A. Pavlou, R. Riedl, D. W. Straub, J. Vom Brocke, B. Weber. "On the Foundations of NeuroIS: Reflections on the Gmunden Retreat 2009." *Communications of the AIS* 7, no 15 (2010).

Deck, C. "An Experimental Investigation of Trust and Sequential Trade." *Southern Economic Journal* (2010).

Deck, C., H. Schlesinger. "Exploring Higher-Order Risk Effects." *Review of Economic Studies* (2010).

Dixon, B., B. L. Ahrendsen, D. M. Danforth, B. R. McFadden. "Competing Risks Models of Farm Service Agency Seven Year Direct Loans." *Agricultural Finance Review* 71, no.1 (2011): 5-24.

Dixon, B., D. M. Danforth, S. J. Hamm, A. O. Landerito. "Determinants of FSA Direct Loan Borrowers' Financial Improvement and Loan Servicing Actions" *Journal of Agribusiness* 28, no. 2 (2010): 131-149.

Farmer, A., P. Pecorino. "Pretrial Bargaining with Asymmetric Information: Unilateral vs. Bilateral Payoffs." *Southern Economic Journal* (2010).

Farmer, A. "The Village Network: Partnership and Collaboration to Alleviate Poverty in Subsistence Marketplaces." *Journal of Business* (2010).

Farmer, A., P. Pecorino. "Is the Coach Paid Too Much? Coaching Salaries and the NCAA Cartel." *Journal of Economics and Management Strategy* (2010).

Ferrier, G. H. Leleu, V. Valdmanis. "The Impact of CON Regulation on Hospital Efficiency." *Health Care Management Science* 13, no.1 (2010): 84-100.

Fogel, K., R. Kali, T. Yeager. "Have Community Banks Reduced Home Foreclosure Rates?" *Journal of Banking and Finance*.

Fogel, K., K. K. Lee, W. Lee. "Foreign Investors as Change Agents." *Journal of International Business Studies* (under review).

Gephart, J., D. Harrison, L. K. Trevino. "Bad Apples, Bad Cases, and Bad Barrels: Meta-Analytic Evidence About Sources of Unethical Decisions at Work," *Journal of Applied Psychology* 95, no. 1 (2010): 1-31.

Gu, J., Q. Li., Y. Y. Zhang. "Nonparametric Panel Estimation of Online Auction Price Process." *Empirical Economics* 40 (2011): 51-58.

Gupta, N., S. Conroy, J. Delery. "The Many Faces of Pay Variation," *Human Resource Management Review* (forthcoming).

Gupta, N., A. Mitra, J. D. Shaw. "A Comparative Examination of Traditional and Skill-based Pay Plans." *Journal of Managerial Psychology* (forthcoming).

Hofer, C., Eroglu, C. "Lean, Leaner, Too Lean? The Inventory-Performance Link Revisited." *Journal of Operations Management* 29, no. 4 (2011): 356-369.

Jones, J., S. Miller, T. Yeager. "Charter Value, Tobin's Q and Risk During the Subprime Financial Crisis." *Journal of Economics and Business*.

Jones, T. W., B. C. Hardgrave, D. A. Nesterkin. "The Deleterious Effects of Non-response in Team-Level Research: What Every IS Researcher Should Know to Avoid Bias." *Journal of Computer Information Systems* 51, no. 2 (2010): 42-48.

Kali, R., J. Reyes. "Financial Contagion on the International Trade Network." *Economic Inquiry* (2010).

Kopp, S., E. Kemp. "Have You Made Plans for That Big Day? Predicting Intentions to Engage in Funeral Planning." *Journal of Marketing Theory and Practice* 18, no. 1 (2010): 81-90.

Kopp, S.W., E. Kemp. "Resistance and Risk: Examining the Effects of

Message Cues in Encouraging End-of-Life Planning.” *Journal of Public Policy & Marketing* 30, no. 1 (2011): 100-109.

Lee, W., R. W. Hernandez, P. Liu. “An Economic Analysis of Reverse Exchangeable Securities—An Option-Pricing Approach.” *Review of Futures Markets* 19, no. 1 (2010): 67-95.

Limayem, M., S. Ahalt, A. Apon, V. Dantuluri, C. Gurdgiev, L. Ngo, M. Stealey. “High Performance Computing Instrumentation and Research Productivity in U.S. Universities.” *Journal of Information Technology Impact* 10, no. 2 (2010): 87-98.

Liu, P., C. Brune. “The Contagion Effect of Default Risk Insurer Downgrades: The Impact on Insured Municipal Bonds.” *Journal of Economics and Business*.

Liu, P., J. Brusa, R. Hernandez. “An Economic Analysis of Bank-Issued Market-Indexed Certificate of Deposit—An Option Pricing Approach.” *International Journal of Financial Markets and Derivatives* (forthcoming).

Liu, P., C. Brune, “The Impact of Default Risk Insurer’s Financial Distress on Insured Municipal Bonds.” *Journal of Insurance Issues* (under review).

Liu, P., Y. Shao, T. Yeager. “Did the Repeated Debt Ceiling Controversies Embed Default Risk in U.S. Treasury Securities?” *Journal of Banking and Finance* 33, no.8 (2010):1464-1471.

Masli, A. N., V. Richardson, J. M. Sanchez, R. Smith. “Returns to IT Excellence: Evidence from Financial Performance Around Information Technology Excellence Awards.” *International Journal of Accounting Information Systems*.

Mendez, F., F. Sepulveda. “What do we talk about when we talk about corruption?” *Journal of Law Economics and Organization* 26, no. 3 (2010).

Millar, J., J. Fisher, J. Gilsinan, E. Harshman, M. Islam, N. Seitz, F. Yeager. “The U.S. Subprime Mortgage Crisis: What Have We Learned?” *The Company Lawyer* 31, no. 11 (2010): 355-360.

Millar, J., B. W. Bowen. “Small Versus Large Firm Regulatory Costs: the Case of the Sarbanes-Oxley Act.” *Corporate Governance: The International Journal of Business in Society* 11, no. 2 (2011).

Millar, J., J. Gilsinan, E. Harshman, M. Islam, N. Seitz, F. Yeager. “Implications of Crowd Behavior for Financial Reform.” *The Company Lawyer* 32, no. 2 (2011).

Myers, J., T. J. Atwood, M. S. Drake, L. Myers. “Do Earnings Reported under IFRS Tell Us More about Future Earnings and Cash Flows?” *Journal of Accounting and Public Policy* 30, no. 4 (2011).

Myers, L., T. Atwood, M. Drake. “Book-Tax Conformity and the Usefulness of Earnings for Predicting Future Earnings and Cash Flows.” *Journal of Accounting and Economics* (2010).

Myers, L., P. M. Dechow, C. Shakespeare. “Fair Value Accounting and Gains from Asset Securitizations: A Convenient Earnings Management Tool with Compensation Side-Benefits.” *Journal of Accounting and Economics* (2010).



Myers, L., J.-H. Choi, Y. Zang, D.A. Ziebart. "The Roles that Forecast Surprise and Forecast Error Play in Determining Management Forecast Precision." *Accounting Horizons* (2010).

Myers, L., D. Michael. "Analysts' Accrual-Related Over-Optimism: Do Analyst Characteristics Play a Role?" *Review of Accounting Studies* (2011).

Myers, L., J. Bierstaker, J. Brazel, J.-H. Choi, S. Glover. "Comments by the Auditing Standards Committee of the Auditing Section of the American Accounting Association on the European Commission Green Paper on Audit Policy: Lessons from the Crisis." *Current Issues in Auditing*.

Myers, J., T. Atwood, M. Drake, L. Myers. "Do International Earnings Reported Under IFRS Tell Us More about Future Earnings and Cash Flows?" *Journal of Accounting and Public Policy*.

Myers, L., Y. Cao, T. Sougiannis. "The Information Content of Earnings Acceleration." *Review of Accounting Studies*.

Newman, C. L., K. Bates, S. W. Kopp. "Approaching the Summit: Understanding Motivations of Recreational Risky Behavior." *International Journal of Sport and Society* 1, no. 1 (2010): 173-184.

O'Leary-Kelly, A., N. Brooks, B. C. Hardgrave, C.K. Riemenschneider. "Why Do Workers Identify with the IT Profession?" *European Journal of Information Systems* (forthcoming).

O'Leary-Kelly, A., B. C. Hardgrave, C. K. Riemenschneider, P. Rutner, P. "Work Exhaustion in Information Technology Professional: The Impact of Emotional Labor." *DATA BASE* (forthcoming).

Ozment, J., S. Keller, M. "Doug" Voss. "A Step Toward Defining a Customer-Centric Taxonomy for Managing Logistics Personnel." *Journal of Business Logistics* 31, no. 2 (2010): 195-214.

Peters, G., L. Abbott, S. Parker. "Serving Two Masters: The Association between Audit Committee Internal Audit Oversight and Internal Audit Activities." *Accounting Horizons* (2010).

Peters, G., L. Abbott, S. Parker. "Audit Fee Reductions from Internal Audit-Provided Assistance: The Incremental Impact of Internal Audit." *Contemporary Accounting Research*.

Peters, G., D. Lopez. "Auditor Workload Compression and Busy Season Auditor Switching." *Accounting Horizons*.

Peters, G., L. Abbott, S. Parker. "Does Mandated Disclosure Induce a Structural Change in the Determinants of Non-Audit Service Purchases." *Auditing: A Journal of Practice and Theory*.

Peters, G., C. Li, V. Richardson, M. Watson. "The Consequences of Information Technology Control Weaknesses on Management Information Systems: The Case of Sarbanes-Oxley Internal Control Reports." *MIS Quarterly*.

Rapert, M. I., W. Curington. "Navigating the Sea of Change: Developing and Implementing an Interdisciplinary Undergraduate Core Curriculum." *Journal of Innovative Education Strategies* 1, no. 1 (2010): 38-46.

Rapert, M. I., E. M. Lee, C. Newman, S.-Y. Park. "Seeking a Better Place: Sustainability in the CPG Industry." *Journal of Global Academy of Marketing Science* 20, no. 2 (2010): 199-207.

Reyes, J., R. Kali. "Financial Contagion on the International Trade Network." *Economic Inquiry* 48, no. 4 (2010): 1072-1101.

Reyes, J., G. Fagiolo, S. Schiavo. "The Evolution of the World Trade Web: A Weighted Network Analysis." *Journal of Evolutionary Economics* 20, no. 4 (2010): 479-514.

Reyes, J., G. Fagiolo, S. Schiavo. "Using Complex Networks Analysis to Assess the Evolution of International Economic Integration: the cases of East Asia and Latin America." *Journal of International Trade and Economic Development* 19, no. 2 (2010): 215-239.

Reyes, J., G. Fagiolo, S. Schiavo. "International Trade and Financial Integration: A Weighted Network Analysis." *Quantitative Finance* 10, no. 4 (2010): 389-399.

Richardson, V., A. N. Masli, G. Peters, J. M. Sanchez. "Examining Potential Benefits of Internal Control Monitoring Technology." *The Accounting Review* (2010).

Richardson, V., C. Henderson, A. N. Masli, J. M. Sanchez. "Layoffs and CEO Compensation: Does CEO Power Influence the Relationship?" *Journal of Accounting, Auditing and Finance* 25, no. 3 (2010): 709-748.

Richardson, V., C. Henderson, K. Kobelsky, R. Smith. "The Relevance of IT Expenditures." *Journal of Information Systems* 24, no.2 (2010): 39-78.

Rosen, C., C.-H. Chang, E. Djurdjevic, R. E. Johnson. "Recommendations for Improving the Construct Clarity of Higher-order Multidimensional Constructs." *Human Resource Management Review* (forthcoming).

Rosen, C., D. Chang, R. E. Johnson, D. J. Slater. "Let's Make a Deal: Development and Validation of the Ex-Post I-Deals Scale." *Journal of Management* (forthcoming).

Rosen, C., D. J. Brown, D. L. Ferris, D. Heller, R. E. Johnson, S. Risavy. "Approach or Avoidance (or Both?): Integrating Core Self-evaluations Within an Approach/Avoidance Framework." *Personnel Psychology* (forthcoming).

Rosen, C., E. Djurdjevic, R. E. Johnson. "Assessing the Impact of Common Method Variance on Higher-order Multi-dimensional Constructs." *Journal of Applied Psychology* (forthcoming).

Sanchez, J. M., C. Henderson, A. N. Masli, V. Richardson. "Layoffs and CEO Compensation: Does CEO Power Influence the Relationship?" *Journal of Accounting, Auditing and Finance* 25, no. 4 (2010): 673-707.

Sanchez, J. M., A. N. Masli, V. Richardson, R. Smith. "Information Technology Expenditures, CEO Compensation and Firm Value." *Journal of Information Systems*.

Stokes, A., T. Jensen. "Co-Branding: The Effects of E-Tailer and Delivery Carrier Familiarity on Price and E-Tailer Perceptions." *Journal of Marketing Theory and Practice* 19, no. 1 (2011): 97-108.

Turri, A. M., D. C. Bello, J. L. Fries, R. J. Smith. "Factors that Influence the Implementation of Collaborative RFID Programs." *The Journal of Business & Industrial Marketing* 25, no. 8 (2010): 590-595.

Venkatesh, V., M. Magni, S. Taylor. "'To Play or Not to Play': A Cross-temporal Investigation Using Hedonic and Instrumental Perspectives to Explain User Intention to Explore a Technology." *International Journal of Human Computer Studies* 68, no. 9 (2010): 572-588.

Venkatesh, V., S. J. Hong, K. Y. Tam, X. Xu. "Consumer Migration across Generations of Technology Service Platforms: Roles of Generation, Technology Hierarchy, and Complementarities." *Management Science* 56, no. 8 (2010).

Venkatesh, V., S. Goyal. "Expectation Disconfirmation and Technology Adoption: Polynomial Modeling and Response Surface Analysis." *MIS Quarterly* 34, no. 2 (2010): 281-303.

Venkatesh, V., H. Bala, M. Lewis, A. Rai. "Transitioning to a Modular Enterprise Architecture: Drivers, Constraints, and Actions." *MIS Quarterly Executive* 9, no. 2 (2010): 83-94.

Venkatesh, V., H. Bala, T. A. Sykes. "Impacts of Information and Communication Technology Implementations on Employees' Jobs in India: A Multi-method Longitudinal Field Study." *Production and Operations Management* 19, no. 5 (2010): 591-613.

Venkatesh, V., M. Morris. "Job Characteristics and Job Satisfaction: Understanding the Role of Enterprise Resource Planning System Implementation." *MIS Quarterly* 34, no. 1 (2010).

Venkatesh, V., S. Brown, F. Chan, P. Hu, K. Y. Tam, J. Thong. "Modeling Citizen Adoption and Satisfaction of Mandatory Technology Services: A Study of Smart Cards in Hong Kong." *Journal of AIS* 11, no.10 (2010): 519-549.

Venkatesh, V., S. Brown, A. Dennis. "Predicting Collaboration Technology Use: Integrating Technology Adoption and Collaboration Research." *Journal of Management Information Systems* 27, no. 2 (2010): 9-53.

Venkatesh, V., X. Zhang. "Unified Theory of Acceptance and Use of Technology: U.S. vs. China." *Journal of Global Information Technology Management* 13, no. 1 (2010): 5-27.

Waller, M. A., J. A. Aloysius, T. Tokar, B. D. Williams. "Retail Promotions and Information Sharing in the Supply Chain: A Controlled Experiment." *The International Journal of Logistics Management* 22, no. 1 (2011): 5-25.

Williams, B. D., M. Waller. "Creating Order Forecasts: Point-of-Sale Or Order History?" *Journal of Business Logistics* 31, no. 2 (2010): 231-252.

Williams, B. D., M. A. Waller. "Estimating a Retailer's Base Stock Level: An Optimal Distribution Center Order Forecast Policy." *Journal of the Operational Research Society* 62, no. 4 (2011): 662-666.

Williams, B. D., M. A. Waller. "Top-Down Versus Bottom-Up Demand Forecasts: The Value of Shared Point-of-Sale Data in the Retail Supply Chain." *Journal of Business Logistics* 32, no. 1 (2011): 17-26.

Worrell, D., B. Benson, W. Davidson, H. Wang. "Deviations from Expected Stakeholder Management, Firm Value, and Corporate Governance." *Financial Management* 40, no. 1 (2011): 39-81.

Yeager, T., K. Fogel, R. Kali. "Have Community Banks Reduced Home Foreclosure Rates?" *Journal of Banking and Finance*.

Yeager, T., G. Ferrier. "The Effect of Distance on Community Bank Performance Following Acquisitions and Reorganizations." *Journal of Money, Credit and Banking* (under review).

Zhang, Y., S. A. Brown, H. Chen, Y. Dang, P. -H. Hu. "Knowledge Mapping for Rapidly Evolving Domains: A Design Science Approach." *Decision Support Systems* 50, no. 2 (2011): 415-427.

Zhang, Y., H. Chen, Y. Dang. "A Lexicon Enhanced Method for Sentiment Classification: An Experiment on Online Product Reviews," *IEEE Intelligent Systems* 25, no. 4 (2010): 46-53.

Zhang, Y., H. Chen, Y. Dang, X. Yu. "An Integrated Framework for Collecting and Analyzing Avatar Data from Virtual World: An Exploratory Study in Second Life," *IEEE Intelligent Systems* 25, no. 6 (2010): 17-23.

Zhang, Y., H. Chen. "AI, Virtual Worlds, and Massively Multiplayer Online Games." *IEEE Intelligent Systems* 26, no. 1 (2011).

### **Unreferred Publications and Proceedings:**

Burton, S. "An Experimental Assessment of Individuals' Willingness to Participate in Behaviors to Reduce Carbon Dioxide Emission." MBAA International Conference Proceedings: Chicago, Ill.: MBAA International, 2011.

Burton, S., E. Howlett, A. H. Tangari. "The Dominance of Sodium Health Halos: Examining the Relative Levels of Sodium Vs. Calorie Misperceptions for Fast Food Restaurant Items." AMA Winter Educators Conference Proceedings: Chicago, Ill.: American Marketing Association, 2011.

Cho, Y. N., B. N. Rutherford. "The Role of Gender and Providing Word-of-Mouth in Post-Purchase Behavior." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Cook, L. A., S. Burton. "Morbidity and Nutrient Information Use Relationships: How Do Health Risk Combinations Impact Consumer Reference to Related and Unrelated Nutrients in the Nutrition Facts Panel?" Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Davis, F. D., R. Banker, I. Benbasat, A. Dennis, A. Dimoka, D. Gefen, A. Gupta, A. Ischebek, P. Kenning, G. Muller-Putz, P. A. Pavlou, R. Riedl, J. Vom Brocke, B. Weber. "On the Use of Neurophysiological Tools in IS Research: Developing a Research Agenda for NeuroIS." *MIS Quarterly* (2011).

Fawcett, A. M. "Researching Humanitarian Aid and Disaster Relief: A Review and Research Agenda." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Hofer, A. R., A. M. Knemeyer, and P. D. Murphy. "Cultural Effects on Loyalty Formation in Logistics Outsourcing Relationships: Brazil, U.S., and Germany." *Revista Tecnologica* 16, no. 175 (2010): 132-141.

Howlett, E., S. Burton, M. Faupel, C. L. Newman. "The Effects of State Agricultural Marketing Programs on Fruit and Vegetable Consumption among U.S. Adults." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Jensen, M., E. V. Carter, M. E. Donohue. "Millennials and Whole Person Marketing: How the Shift from a Protected and Confident Generation to Cynical Philosophers is Changing How Brands are Perceived." Marketing Educators Association Annual Conference Proceedings: San Diego, Calif.: Marketing Educators Association, 2011.

Jin, Y., R. J. Smith. "Corporate Social Responsibility's Influence on Firm Brand Equity and Performance." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Newman, C. L., E. Howlett. "Why Buy Local? The Moderating Role of Nutrition Knowledge on Consumer Attitudes Toward Local Food." Marketing and Public Policy Conference Proceedings: Denver, Colo.: American Marketing Association, 2010.

Newman, C. L., K. Bates, S. W. Kopp. "The Summit of Satisfaction: An Exploration into Risky Recreation." Atlanta, Ga.: Society for Marketing Advances, 2010.

Newman, C. L., S. W. Kopp, K. Bates. "Climbing the Mountain of Satisfaction: Understanding Motivations of Recreational Risky Behavior." International Conference on Sport and Society Proceedings, Vancouver, British Columbia: Sport and Society, 2010.

Smith, R. J., P. Chandon, V. G. Morwitz, E. R. Spangenberg, D. E. Sprott. "When Does the Past Repeat Itself? The Interplay of Behavior Prediction and Personal Norms." La Londe Conference Proceedings: La Londe les Maures, France: Aix Graduate School of Management, 2011.

Stassen, R. E., C. L. Newman. "Competition and Coverage: A Cross Sectional Analysis of the Structure of Multi-Unit Franchisee Ownership in U.S. Markets." International Society of Franchising Conference Proceedings, Sydney, Australia: International Society of Franchising, 2010.

Stokes, A. N., S. W. Kopp, T. A. Suter. "What is Consumer Confusion and How is it Measured? An Integrated Examination from the Marketing and Legal Disciplines." Marketing and Public Policy Conference Proceedings: Denver, Colo.: American Marketing Association, 2010.

Swanson, R. D., R. J. Smith. "Institutional Response Framework: Applying Commercial Logistics to Disaster Recovery." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Tangari, A. H., R. J. Smith. "Shopping Versus Ad Evaluation: The Different Moderating Effects of Psychological Distance Frames Promoting Energy Efficient Products." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Thyroff, A. E., S. W. Kopp. "Thinking Too Small? Predicting Intentions to Consume Nanofoods: A Pilot Study." Marketing and Public Policy Conference Proceedings: Washington, D.C.: American Marketing Association, 2011.

Thyroff, A. E., S. W. Kopp. "Nanofoods: Consumer Attitudes, Faith in Government, and Intentions to Buy: A Pilot Study." AMA 2010 Marketing and Public Policy Conference Proceedings: Denver, Colo.: American Marketing Association, 2010.

Thyroff, A. E., S. W. Kopp. "A Pilot Study on the Effects of Desire for Government Regulation, Gender, and Perceived Product Quality on Consumer Intentions to Purchase Nanofoods: Direct, Moderating, and Mediating Effects." Society for Marketing Advances, 2010.

Turri, A. M., S. W. Kopp, R. J. Smith. "Item-Level RFID: Consumer Privacy Issues and Alternative Remedies." Marketing and Public Policy Conference Proceedings: Denver, Colo.: American Marketing Association, 2010.

### **Invited Lectures:**

Aloysius, J.A. "RFID Technology and Inventory Visibility in the Supply Chain: The Impact on Retail Store Execution" Presented at Decision Sciences Institute Annual Meeting, 2010.

Cassell, C. A. (Presenter & Author). "Do Auditors Respond to Information in Short Interest?" Presented at 2010 Contemporary Accounting Research Conference, Canadian Academic Accounting Association, Kingston, ON., 2010.

Cassell, C. A. (Presenter & Author). "The Emergence of Second-Tier Auditors: Evidence from Investor Perceptions of Financial Reporting Credibility" Presented at American Accounting Association Annual Meeting, San Francisco, Calif., 2010.

Chi, S.-L. (Presenter & Author). "Pricing of Book-Tax Differences: Evidence from Short Arbitrage" Presented at AAA, San Francisco, Calif., 2010.

Davis, F.D. "User Acceptance of Information Technology: Research Progress, Current Controversies, and Emerging Paradigms" Presented at International Conference on Electronic Business, Taipei, Taiwan.

Davis, F.D. "User Acceptance of Information Technology: Research Progress, Current Controversies, and Emerging Paradigms" Presented at Pre-ICIS Workshop on HCI in MIS, Montreal, Quebec.

Delery, J. British Royal Holloway, University of London, United Kingdom.

Delery, J. King's College, London, United Kingdom.

Delery, J. Pablo de Olavide University and Cadiz University, Seville, Spain.

Douglas, D.E. "Meet Leading Professors Teaching the Mainframe" Presented at IBM SHARE, Boston, Mass., 2010.

Fogel, K., W. Lee, L. Ma, T. Yeager. "Residential Foreclosure Crisis: Overreaching Households and Spatial Contagion" Presented at Financial Management Association International.

Fogel, K., Y. Shao. "Social Capital in Banking Relationship" Presented at Financial

Management Association International.

Fogel, K. "Foreign Investors as Change Agents" Presented at Ratio Colloquium of Young Social Scientists, Ratio Institute, Stockholm, Sweden, 2010.

Gu, Y., J. Jones, P. Liu. "Do Credit Rating Agencies Sacrifice Timeliness by Pursuing Rating Stability?" Presented at European Financial Management Association, Braga, Portugal.

Gu, Y., J. Jones, P. Liu. "Do Credit Rating Agencies Sacrifice Timeliness by Pursuing Rating Stability?" Presented at Financial Management Association, Denver, Colo.

Hofer, C. "Route Competition in Multi-Airport Cities: An Analysis of U.S. Air Fares" Presented at Air Transport Research Society Annual Conference, Porto, Portugal, 2010.

Hofer, C. "On Airline Pricing Behavior During the Downturn and Recovery Phases of Financial Turnarounds" Presented at Air Transport Research Society Annual Conference, Sydney, Australia, 2011.

Huang, S. (Presenter & Author). "Restatements, Financial Constraints, and Firm Growth: The Real Effects of Corporate Misreporting" Presented at FMA annual conference, 2010.

Huang, S. (Presenter & Author). "The Role of International GAAP Differences in World Wide Mutual Fund Equity Allocations" Presented at AAA annual conference, 2010.

Jandik, T., D. Georgieva, W. Lee. "The Impact of Laws, Regulations, and Culture on Cross-border Joint Ventures" Presented at Financial Management Association International, New York, N.Y., 2010.

Jandik, T., J. Lallemand. "Tactical Capital Structure Adjustments by Takeover Targets" Presented at Southern Finance Association, Asheville, N.C., 2010.

Jensen, M., A. T. Cole. "FTC Guidelines on Endorsements and Online Consumer Reviews: Biasing Consumers' Intent to Buy" Presented at Society for Marketing Advances Annual Conference, Atlanta, Ga., 2010.

Jones, J., Y. Gu, R. Hernandez. "An Economic Analysis of Protect Certificates" Presented at Financial Management Association, Denver, Colo.

Jones, J., Y. Gu, P. Liu. "Do Dividend Initiations Signal a Reduction in Risk?" Presented at Financial Management Association, Denver, Colo.

Jones, J. "Corporate Governance, Credit Condition, and the Cost of Debt" Presented at Southern Finance Association, Asheville, N.C., 2010.

Jones, J. "Cross Ownership and Shareholder Value in Bank Mergers" Presented at Southern Finance Association, Asheville, N.C., 2010.

Jones, J. "Do Dividends Signal a Reduction in Risk?" Presented at Southern Finance Association, Asheville, N.C., 2010.

Millar, J., J. Fisher, J. Gilsinan, N. Seitz. "Legislation Designed to Improve Corporate Governance: An Exploration" Presented at 28<sup>th</sup> Cambridge Symposium on Economic Crime, Cambridge University, Cambridge, England, 2010.

Murray, J. "Critical Marketing" Presented at Canon of Classics in Marketing, University of Southern Denmark, Odense, Denmark, 2010.

Murray, J. "Critical Marketing" Presented at Witten University, Witten, Germany, 2010.

Murray, J. "Ethnography for Managers: The Semiotics of Brand Management" Presented at Leicester University, Leicester, England, 2010.

Peters, G., C. Li, A. Dorantes, V. Richardson. "The Effect of Enterprise Systems on Management Forecast Quality and Earnings Management Properties" Presented at American Accounting Association Meeting, San Francisco Calif., 2010.

Sanchez, J. M. (Presenter & Author). "Seeking Safety: The Effect of CEO Inside Debt Holdings on Risk-Seeking Behavior" Presented at University of Wisconsin - Milwaukee's Accounting Workshop, University of Wisconsin - Milwaukee, Milwaukee, Wisc., 2010.

Sanchez, J. M. (Author Only). "Antecedents and Consequents of CIO Equity Incentives: How Firms May Align the Digital and Business Strategy" Presented at Workshop on Information Systems Economics (WISE), Washington University, St. Louis, Mo., 2010.

Sanchez, J. M. (Author Only). "Seeking Safety: The Effect of CEO Inside Debt Holdings on Risk-Seeking Behavior" Presented at Brigham Young University Symposium, Brigham Young University, Provo, Utah, 2010.

Sanchez, J. M. (Presenter & Author). "Seeking Safety: The Effect of CEO Inside Debt Holdings on Risk-Seeking Behavior" Presented at Oklahoma State University's Accounting Workshop, Oklahoma State University, Stillwater, Okla., 2010.

Sanchez, J. M. (Presenter & Author). "Seeking Safety: The Effect of CEO Inside Debt Holdings on Risk-Seeking Behavior" Presented at University of Arkansas Accounting Workshop, University of Arkansas, Fayetteville, Ark., 2010.

Sanchez, J. M. (Presenter & Author). "Target CEO Special Payments in Mergers and Acquisitions: Evidence from LBOs" Presented at American Accounting Association Meeting, San Francisco, Calif., 2010.

Yeager, T., K. Fogel. "Have Community Banks Reduced Home Foreclosure?" Presented at Financial Management Association International, New York, N.Y., 2010.

Yeager, T. "Have Community Banks Reduced Home Foreclosure Rates?" Presented at Financial Management Association, New York, N.Y., 2010.

Yeager, T. "Have Community Banks Reduced Home Foreclosure Rates?" Presented at



**Other Lectures, Papers, Oral Presentations:**

Aloysius, J. A. “Item-level RFID Tagging and Inventory Record Accuracy” Presented at INFORMS Annual Meeting, 2010.

Anand, V., A. J. Guerber. “Alternate Routes to Ethical Decision Making” Presented at Academy of Management, Montreal, Quebec, 2010.

Anand, V., A. Ellstrand, M. Joshi. “The Role of Identification in Executive Information Seeking Behaviors” Presented at Academy of Management, Montreal, Quebec, 2010.

Britton, C., R. K. Ford, D. Gay. “Social Policy Toward Carbon Dioxide: Revisiting Externalities and Unintended Consequences” Presented at Southern Economic Association, Atlanta, Ga., 2010.

Civelli, A. “The (Un)Sustainability of the U.S. International Debt Position: Do Not Rely Too Much on Valuation Effects” Presented at XIX International Tor Vergata Conference on Money, Banking and Finance, Federal Reserve Bank of Atlanta, Tor Vergata, Rome, Italy, 2010.

Civelli, A. “The (Un)Sustainability of the U.S. International Debt Position: Do Not Rely Too Much on Valuation Effects” Presented at ASSET 2010, Association of Southern European Economic Theorists, Alicante, Spain, 2010.

Conroy, S., J. Delery, N. Gupta. “The Many Faces of Pay Variation” Presented at Academy of Management, Montreal, Quebec, 2010.

Conroy, S., J. Delery, N. Gupta. “The Many Faces of Pay Variation” Presented at Academy of Management, Montreal, Quebec, 2010.

Cronan, P., D. E. Douglas. “Preparing Knowledge Workers for the Next Generation—Enterprise Systems, Large Data” Presented at Hawaii International Conference on System Sciences (HICSS-44), IEEE Computer Society and IS, Kuai, Hawaii, 2011.

Cronan, P., D. E. Douglas. “Preparing Students for Success Enterprise Systems, Large Data Sets, and Business Intelligence Workshop” Presented at Decision Sciences Institute, San Diego, Calif., 2010.

Cronan, P., D. E. Douglas. “Using Tools from SAP, IBM, Microsoft, SAS to Analyze Large Data Sets from Real-world Enterprise Systems (Sam's Club, Dillard, Tyson Foods, and Walmart) to Support Decision Making” Presented at Americas Conference on Information Systems (AMCIS), Lima, Peru, 2010.

Cronan, P., F. D. Davis, P. Schmidt. “Acquiring ERP Business Process Knowledge: A Network Structure Analysis” Presented at Hawaii International Conference on System Sciences (HICSS-44), IEEE Computer Society and IS, Kauai, Hawaii, 2011.

Cronan, P., O. Alnuaimi. “Healthcare Professionals’ Reactions to Health Enterprise System Implementations: A Theory of Cynicism Perspective” Presented at Hawaii International Conference on System Sciences (HICSS-44), IEEE Computer Society and IS, Kauai, Hawaii, 2011.

Cronan, P., P. Schmidt. "ERP Change Management: Technology Preview of an Enterprise System" Presented at Accounting Systems Pre-Conference Workshop, International Conference on Information Systems (ICIS), St. Louis, Mo., 2010.

Cronan, P., P. Schmidt. "Decision Making in an Integrated Business Process Context: Learning Using an ERP Simulation Game" Presented at Decision Science Institute, San Diego Calif., 2010.

Cronan, P., P. Schmidt. "IT Change Management and User Adaptation" Presented at American Accounting Association Annual Meeting, San Francisco, Calif., 2010.

Cronan, P., D. E. Douglas, M. Limayem. "Healthcare Professionals' Reactions to Health Enterprise System Implementations: A Theory of Cynicism Perspective" Presented at Hawaii International Conference on System Sciences (HICSS-44), IEEE Computer Society, Kauai, Hawaii, 2011.

Dang, Y. "The Evolving Influence of Diversity and Media in Virtual Organizations" Presented at 16th Americas Conference on Information Systems (AMCIS), 2010.

Davis, F. D. "Sailing to Win: Strategies for Winning the Tenure Race" Presented at Big XII+ MIS Symposium, Lawrence, Kans.

Davis, F. D. "NeuroIS: Hype or Hope" Presented at International Conference on Information Systems.

Davis, F. D. "User Acceptance of E-Services" Presented at World Class University Colloquium Series, Sogang Business School, Seoul, Korea, 2010.

Davis, F. D. "User Acceptance of Ubiquitous Mobile Services" Presented at Smart Convergence: Challenges and the Future, Graduate School of Information, Yonsei University, Seoul, Korea, 2010.

Davis, F. D. "User Acceptance of E-Services" Presented at U-City World Forum International Conference, Seoul, Korea, 2010.

Davis, F. D. "User Acceptance of E-Services" Presented at Department of Knowledge Services Engineering Workshop, College of Information Science and Technology, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, 2010.

Deck, C. "Incentives to Share Knowledge" Presented at Southern Economic Association, 2010.

Deck, C. "Prediction Markets" Presented at Southern Economic Association, 2010. Deck, C.

"Price Increasing Competition" Presented at Southern Economic Association, 2010.

Deck, C. "Organ Markets" Presented at Southern Economic Association, 2010. Deck,

C. "Prediction Markets" Presented at Seminar at Canterbury, 2010.

Ellstrand, A., H. R. Dixon-Fowler, J. Johnson. "The Role of Board Environmental Committees in Corporate Environmental Performance" Presented at Academy of Management, Montreal, Quebec, 2010.

Ferrier, G. "The Economics of Advertising" Presented at Aarhus School of Business (ASB), Aarhus, Denmark.

Gu, J. "Household Credit and Monetary Policy Transmission" Presented at Western Economic Association, 2010.

Hyatt, D. G., J. Johnson. "Lessons and Questions from Practice: Cross Sector Partnerships for Sustainable Development" Presented at Academy of Management, Montreal, Quebec, 2010.

Jahedi, S. "A Taste for Bargains" Presented at WZB Seminar Series, Social Science Research Center, Berlin, Germany, 2011.

Jahedi, S. "Preference Parameters or Mistakes?" Presented at Cognitive Science Group, 2011.

Jahedi, S., F. Mendez. "Realized, Perceived, and Actual Measures of Corruption" Presented at Southern Economic Association, Atlanta, Ga., 2010.

Jahedi, S. "A Taste for Bargains: Theory and Evidence" Presented at University of Illinois at Chicago, Department Seminar, 2010.

Jahedi, S. "Reconciling Marketing and Economics Menu-Effect Differences" Presented at BBRL Brown Bag, University of Arkansas, 2010.

Jahedi, S., F. Mendez. "Corruption Perceptions in the Lab" Presented at Southern Economic Association, Atlanta, Ga.

Johnson, J., D. Brass, T. Floyd, J. Labianca, A. Shipilov. "Advanced Networks PDW: Theoretical and Empirical Applications of Social Network Analysis" Presented at Academy of Management, Montreal, Quebec, 2010.

Johnson, J., D. Slater. "Compliance and Discretionary Corporate Social Performance: Refining Dimensionality and Measurement" Presented at Academy of Management, Montreal, Quebec, 2010.

Kali, R., J. Reyes. "Growth Networks" Presented at Department of Economics Seminar, University of Arkansas.

Kali, R., J. Reyes. "Growth Networks" Presented at Department Colloquium, Department of Mathematics, University of Arkansas.

Kali, R. "Growth Networks" Presented at Southern Economic Association, Atlanta, Ga. Kali,

R. "Political Connections, Entrepreneurship and Social Network Investment" Presented at Department of Economics Seminar, University of Arkansas, 2010.

Kali, R. "Growth Networks" Presented at Empirical Investigations in International Trade, University of Chicago, Chicago. Ill., 2010.

Limayem M., C. Boukef, H. Mohamed, C. Nabila. "Making Sense & Giving Sense to the Global Data Synchronization Network Standard Adoption" The European Conference on Information Systems, Helsinki, 2011.

Limayem, M., C. Conway. "Temporal Dissonance in Teams" Proceedings of the European Academy of Management Annual Meeting, Tallinn, Estonia 2011.

Limayem, M., C. Boukef, H. Mohamed, C. Nabila. "Toward Understanding the Barriers to the Global Data Synchronization Networks Standard Adoption" Presented at Division Program:

Organization Communication and Information Systems, Academy of Management Annual Meeting, San Antonio, Tex., 2011.

Limayem, M. "Revisiting the AIS Basket of Top Journals" Presented at The International Conference on Information Systems, AIS, Saint Louis, Mo., 2010.

Limayem, M., C. Conway. "Temporal Dissonance in IT Workers" Presented at European Conference on Information Systems, 2011.

Limayem, M., C. Conway. "Temporal Dissonance in Teams" Presented at European Academy of Management meeting, 2011.

Limayem, M., C. Conway, P. Papadopoulos, J. Pelet. "Coloring in the Lines: Using Color to Change the Perception of Quality in E-Commerce Sites" Presented at Proceedings of the International Conference on Information Systems, St. Louis, Mo., 2010.

Limayem, M., C. Conway, P. Papadopoulou. "Coloring in the Lines: Using Color to Change the Perception of Quality in E-Commerce Sites" Presented at Proceedings of the International Conference on Information Systems, St. Louis, Mo., 2010.

Limayem, M., C. Conway, S. Goyal, R. Kumi. "Impact of Color on Computer-Mediated Communication" Presented at Proceedings of the Decision Science Institute 41<sup>st</sup> Annual Meeting, San Diego, Calif., 2010.

Limayem, M., M. D. Hassell. "Working in the New Way: A Preliminary Study of Media Synchronicity and Job Satisfaction" Presented at Proceedings of the Sixteenth Americas Conference on Information Systems, Lima, Peru, 2010.

Limayem, M., C. Conway. "Adrift in the Sands of Time: A Theory of Temporal Dissonance in the Individual" Presented at Proceedings of the Academy of Management Annual Meeting, Montréal, Quebec, 2010.

Mendez, F. "Can Corruption Foster Regulation Compliance?" Presented at Southern Economic Association, Atlanta, Ga.

Ozment, J. "Case Study: Heartland Waste Disposals." Sam M. Walton College of Business, Supply Chain Management Research Center, Fayetteville, Ark., 2010.

Reeves, C., A. O'Leary-Kelly, R. S. Liou, A. J. Guerber. "Economic Empowerment and the Rate and Severity of Intimate Partner Violence Among Employees" Presented at Academy of Management, Montreal, Quebec, 2010.

Reyes, J., C. P. Ball. "Announcements Effects Under Inflation Targeting" Presented at Southern Economic Association, Atlanta, Ga., 2010.

Reyes, J., R. Kali, J. B. McGee, S. Shirrell. "Growth Networks" Empirical Investigations in International Trade, 17th Annual Conference, Forum for Research in Empirical International Trade (FREIT), Chicago, Ill., 2010.

Reyes, J., R. Kali. "Growth Networks" Presented at Growth, Trade and Economic Development: Theory and Evidence, Instituto Politecnico Nacional (IPN), School of Economics, Mexico City, Mex., 2010.

Rosen, C. "Enhancing the Prediction of Core Self-evaluation by Considering Trait Interactions" Presented at Academy of Management, Montreal, Quebec, 2010.

Rosen, C., E. Djurdjevic. "The Effects of Perceptions of Organizational Politics on Organizational Citizenship Behavior" Presented at Academy of Management, Montreal, Quebec, 2010.

Rosen, C., E. Djurdjevic, R. E. Johnson. "New Insights Into Core Self-evaluations at Work" Presented at Academy of Management, Montreal, Quebec, 2010.

Rosen, C., E. Djurdjevic, R. E. Johnson, T. Toumbeva. "Controlling for Common Method Variance Using Statistical Remedies" Presented at 25<sup>th</sup> Society for Industrial and Organizational Psychology Conference, Chicago, Ill., 2011.

Rosen, C., E. Djurdjevic, R. E. Johnson, T. Toumbeva. "Does "CSE" Mean Core Self-evaluations or Common Source Effects?" Presented at 25<sup>th</sup> Society for Industrial and Organizational Psychology Conference, Chicago, Ill., 2011.

Rosen, C., D. L. Ferris, R. E. Johnson, J. Tan. "Interplay Among Core Self-evaluation, Motivation Orientations, and Job Performance" Presented at 25<sup>th</sup> Society for Industrial and Organizational Psychology Conference, Chicago, Ill., 2011.

Setia, P. "Antecedents and Consequent of CIO Equity Incentives: How Firms Align the Digital and Business Strategy" Presented at WISE, 2010.

Venkatesh, V., L. M. Maruping, J. Newell. "Information Systems Development Risk Factors and Dispersed Teamwork: The Role of Empowering Leadership in Facilitating Team Member Well-being" Big XII+ Management Information Systems Symposium, Management Information Systems, Manhattan, Kans., 2011.

Zhang, Y., H. Chen, Y., Dang, D., Denning, L. Fan, C.-N. Huang, C. A. Larson, N. Roberts, X. Yu, S. Zeng. "Developing a Dark Web Collection and Infrastructure for Computational and Social Sciences," Presented at IEEE International Conference on Intelligence and Security Informatics.

# COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

## Books

Collins, K. M. T., Onwuegbuzie, A. J., & Jiao, Q. G (2011). (Vol. Eds.). *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series: Volume 5*. Charlotte, NC: Information Age Publishing.

Imbeau, M. B. (2011). (Ed.). *Parallel curriculum units K-5*. Thousand Oaks, CA: Corwin Press.

Moiseichik, M. (Ed.). (2010). *Management of park and recreation agencies*. (3rd ed.) Ashburn, VA: National Recreation and Park Association.

Neighbors, M., & Tannehill-Jones, R. (2010). *Human Diseases, a textbook for allied health programs*. (3rd. ed.). NY: Delmar/Thomson Publishers.

Neighbors, M., & Tannehill-Jones, R. (2010). *Instructor's guide for human diseases*. (3rd ed.). NY: Delmar/Thomson Publishers.

Neighbors, M., & Tannehill-Jones, R. (2010). *Student workbook for human diseases*. (3rd ed). NY: Delmar/Thomson Publishers.

Pijanowski, J. C., & Blacker, D. (2010). *Professional responsibility and ethics for Arkansas educators*. San Antonio, TX: Omni Press.

Totten, S., & Ubaldo, R. (2011). *We cannot forget: Interviews with survivors of the Rwandan genocide*. New Brunswick, NJ: Rutgers University Press.

## Book chapters

Beasley, J. G. (2011). Preserving our identity: Learning about the history of our state. In M. B. Imbeau (ed.), *Parallel curriculum units for grades K-5*. Thousand Oaks, CA: Corwin Press.

Beck, D., & Constance, W. (2010). Bridging the digital divide: Connecting teachers with those on the other side of the divide. In Z. Abas et al. (eds.), *Proceedings of Global Learn Asia Pacific 2010* (pp. 3653-3659). Chesapeake, VA: Association for the Advancement of Computing in Education.

Beck, J. K., & Kacirek, K. (2011). Using qualitative methods to evaluate distance education: A case study. In V. X. Wang (Ed.), *Encyclopedia of Information Communication Technologies and Adult Education Integration* (pp. 337-359). Hershey, PA: Information Science Reference.

Collins, K. M. T. (2010). Advanced sampling designs in integrated research: Current practices and emerging trends in the social and behavioral sciences. In A. Tashakkori and C. Teddlie (eds.), *Handbook of mixed methods in social and behavioral research* (2nd ed.) (pp.353-377). Thousand Oaks, CA: Sage.

Connors, S. P. (2010). The best of both worlds: Rethinking the literary merit of graphic novels. In K. Kan (ed.), *Graphic novels and comic books* (pp. 90-98). New York: H. W. Wilson.

Dittmore, S. W. (2011). Interviews. In D. P. S. Andrew, P. M. Pedersen, and C. D. McEvoy (eds.) *Research Methods and Design in Sport Management* (pp. 91-104). Champaign, IL: Human Kinetics.

Eilers, L. H. (2010). Getting to the heart of mathematical numbers and operations. In M. G. Imbeau (ed.), *Parallel curriculum model K-5 unit book*. Thousand Oaks, CA: Corwin Press.

Farah, M. (2010). The missionary work in Syria during the 19<sup>th</sup> Century. In Beshara (ed.), *Syria: The history of an idea and its pioneers*. London: Garnet Publishers.

Goering, C. Z., & Williams, C. (2010). A soundtrack approach to teaching *To Kill a Mockingbird*. In M. J. Meyer (ed.), *Essential criticism of To Kill a Mockingbird*. Lanham, MD: Scarecrow.

Goering, C. Z. (2011). Foreword. In D. Stankevich (ed.), *Getting it in writing: The quest to become outstanding and effective teachers of writing*. Charlotte, NC: Information Age Press.

Kacirek, K., Beck, J. K., & Grover, K. S. (2010). Career and technical education: Myths, metrics, and metamorphosis. In V. C. X. Wang (ed.), *Definitive readings in the history, philosophy, practice and theories of career and technical education* (pp. 31-49). Hangzhou, China: Zhejiang University Press.

Koch, L. C. (2010). Consumer satisfaction. In E. Mpofu and T. Oakland (Eds.), *Assessment in rehabilitation and health* (pp. 503-519). Upper Saddle River, N.J.: Pearson Education.

McComas, W. F. (2010). The history of science and the future of science education: A typology of approaches to the history of science in science instruction. In Kokkotas, P. V., K.

S. Malamitsa, and A. A. Rizaki (eds.), *Adapting Historical Knowledge Production to the Classroom* (pp. 37-54). Rotterdam: Sense Publishers.

Moiseichik, M., & Moss, J. (2010). Management and the law. In M. Moiseichik (ed.), *Management of park and recreation agencies* (3rd ed.) (pp. 19-31). Ashburn, VA: National Recreation and Park Association.

Moiseichik, M., & Edmonston, E. (2010). Legal authority and jurisdiction. In M. Moiseichik (ed.), *Management of Park and Recreation Agencies* (3rd ed.) (pp. 33-56). Ashburn, VA: National Recreation and Park Association.

Moiseichik, M. (2010). Copyright and patent. In D. J. Cotton and J. T. Wolohan (eds.), *Law for Recreation and Sport Managers* (5th ed.) (pp. 606-612). Dubuque, IA: Kendall Hunt.

Onwuegbuzie, A. J., Johnson, R. B., & Collins, K. M. T. (2010). A framework for assessing legitimation in mixed research: Implications for the field of stress and coping. In G. S. Gates, W. H. Gmelch, & M. Wolverton (Series Eds.) & K. M. T. Collins, A. J. Onwuegbuzie, & Q.

G. Jiao (Vol. Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series: Vol. 5.* (pp.3-30). Charlotte, NC: Information Age Publishing.

Onwuegbuzie, A. J., Johnson, R. B., & Collins, K. M. T. (2010) A call for mixed analysis among stress and coping researchers: Deconstructing separatist qualitative and quantitative analysis in mixed research. In G. S. Gates, W. H. Gmelch, & M. Wolverton (Series Eds.) &

K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Vol. Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series: Vol. 5.* (pp. 105-146) .Charlotte, NC: Information Age Publishing.

Onwuegbuzie, A. J., & Collins, K. M. T. (2010). An innovative method for stress and coping researchers for analyzing themes in mixed research: Introducing Chi-Square Automatic Interaction Detection (CHAID). In G. S. Gates, W. H. Gmelch, & M. Wolverton (Series Eds.) & K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Vol. Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series: Vol. 5.* (pp. 287-304). Charlotte, NC: Information Age Publishing.

Penner-Williams, J., Perez D., Gonzales Worthen, D. Herrera, S., & Murry, K.(2010). A CLASSIC© approach to collaboration: documenting a multi-state university and multi-school district partnership. In Slater, J. and R. Ravid, (Eds.) *Collaboration in Education* (pp. 161-167). New York: Routledge.

Smith, K., Webb, J., & Williams, B. (2010). *Just below the line: A primer on housing, disability and equity in the south*. Fayetteville, AR: University of Arkansas Press.

Stoldt, G. C., Dittmore, S. W., & Pedersen, P. M. (2011). Communication in the sport industry. In P. M. Pedersen, J. B. Parks, J. Quarterman, and L. Thibault (eds.). *Contemporary sport management* (4th ed.) (pp. 270-289). Champaign, IL: Human Kinetics.

Totten, S. (2010). Entering the „Night“ of the Holocaust: Studying Elie Wiesel’s Night. In H. Bloom (ed.), *Elie Wiesel’s Night. Bloom’s Modern Critical Interpretations* (pp. 99-131). New York: Infobase Publishing.

Webb, J., & Williams, B. (2010). Redefining disability: A P-E fit model. In F. E. P. Wolfgang and E. Ostroff (eds.) *Universal design handbook*. New York, NY: McGraw-Hill.

## Refereed Articles

Aldrich, T., Moiseichik, M., & Oliver, G. D. (2010). Paddlesport entanglement safety tools: Effectiveness and efficiency in knives and shears. *Journal of Outdoor Recreation, Education, and Leadership*, 2(2), 5-8.

Baker, K. F. (2010). Asperger's disorder and bipolar disorder in children. *SpeechPathology.com*.

Banks, C. H., Collier, M. D., & Preyan, L. M. (2010). Leveraging diversity through faculty perception of their power to influence diversity. *International Journal of Human Resource Development and Management*, 10(3), 208-223.

Benton, G. M. (2011). Visitor perceptions of cultural resource management at three National Park Service sites. *Visitor Studies*, 14(1).

Bohl, S., Sharma M., & Jones, C. (2011). ATV-related injuries and hospitalization: An examination of the influence of age and substance abuse. *Open Epidemiology Journal*, (4), 123-132.

Bowles, F. A. (2010). Meeting ACTFL/NCATE accreditation standards: What world language teacher candidates reveal about program preparation. *ArATE Electronic Journal*, 1(1). Available online at [candidate.coe/uca/edu/arate](http://candidate.coe/uca/edu/arate)

Brady, K. P., & Pijanowski, J. C. (2010). Protecting academic programs in times of fiscal distress: Evidence from California’s public school districts. *eJournal of Education Policy* available online at [www.nau.edu/cee/jep](http://www.nau.edu/cee/jep)

Buron, B. (2010). Effects of life history collages on nursing home staff caring for residents living with dementia: A pilot study. *Journal of Gerontological Nursing*, 36(12), 38-48.

Cater, J. K., & Koch, L. C. (2010). Women veterans with polytrauma: Rehabilitation planning implications. *Journal of Applied Rehabilitation Counseling*, 41(3), 9-17.

Connors, S. P. (2010). The best of both worlds: Rethinking the literary merit of graphic novels. *The ALAN Review*, 37(3), 65-70.

Costrell, R. M., & McGee, J. B. (2010). Teacher pension incentives, retirement behavior, and potential for reform in Arkansas. *Education Finance and Policy*, 5(4), 492-518.

Costrell, R. M., & Podgursky, M. (2010). Distribution of benefits in teacher retirement systems and their implications for mobility. *Education Finance and Policy*, 5(4), 519-557.

Crawford, A. V., Green, S. B., Levy, R., Lo, W. J., Scott, L., Svetina, D., & Thompson, M. S. (2010). Evaluation of Parallel Analysis Methods for Determining the Number of Factors. *Educational and Psychological Measurement*, 70(6), 885-901.

Daugherty, M., & Carter, V. (2010). Renewable energy technology. *The Technology Teacher*, 69(5), 24-28.



Deggs, D., Grover, K., & Kacirek, K. (2010). Expectations of adult graduate students in an online degree program. *College Student Journal*, 44(3), 690-699.

Deggs, D., Grover, K., & Kacirek, K. (2010). Using message boards to conduct online focus groups. *The Qualitative Report*, 15(4), 1027-1036

Banks, C. H., Collier, M. D., & Preyan, L. M. (2010). Leveraging diversity through faculty perception of their power to influence diversity. *International Journal of Human Resource Development and Management*, 10(3), 208-223.

Benton, G. M. (2011). Visitor perceptions of cultural resource management at three National Park Service sites. *Visitor Studies*, 14(1).

Bohl, S., Sharma M., & Jones, C. (2011). ATV-related injuries and hospitalization: An examination of the influence of age and substance abuse. *Open Epidemiology Journal*, (4), 123-132.

Bowles, F. A. (2010). Meeting ACTFL/NCATE accreditation standards: What world language teacher candidates reveal about program preparation. *ArATE Electronic Journal*, 1(1). Available online at [candidate.coe/uca/edu/arate](http://candidate.coe/uca/edu/arate)

Brady, K. P., & Pijanowski, J. C. (2010). Protecting academic programs in times of fiscal distress: Evidence from California's public school districts. *eJournal of Education Policy* available online at [www.nau.edu/cee/jep](http://www.nau.edu/cee/jep)

Buron, B. (2010). Effects of life history collages on nursing home staff caring for residents living with dementia: A pilot study. *Journal of Gerontological Nursing*, 36(12), 38-48.

Cater, J. K., & Koch, L. C. (2010). Women veterans with polytrauma: Rehabilitation planning implications. *Journal of Applied Rehabilitation Counseling*, 41(3), 9-17.

Connors, S. P. (2010). The best of both worlds: Rethinking the literary merit of graphic novels. *The ALAN Review*, 37(3), 65-70.

Costrell, R. M., & McGee, J. B. (2010). Teacher pension incentives, retirement behavior, and potential for reform in Arkansas. *Education Finance and Policy*, 5(4), 492-518.

Costrell, R. M., & Podgursky, M. (2010). Distribution of benefits in teacher retirement systems and their implications for mobility. *Education Finance and Policy*, 5(4), 519-557.

Crawford, A. V., Green, S. B., Levy, R., Lo, W. J., Scott, L., Svetina, D., & Thompson, M. S. (2010). Evaluation of Parallel Analysis Methods for Determining the Number of Factors. *Educational and Psychological Measurement*, 70(6), 885-901.

Daugherty, M., & Carter, V. (2010). Renewable energy technology. *The Technology Teacher*, 69(5), 24-28.

Deggs, D., Grover, K., & Kacirek, K. (2010). Expectations of adult graduate students in an online degree program. *College Student Journal*, 44(3), 690-699.

Deggs, D., Grover, K., & Kacirek, K. (2010). Using message boards to conduct online focus groups. *The Qualitative Report*, 15(4), 1027-1036.

Deggs, D., Hilleke, G., Stevens, M., & Machtmes, K. (2010). The affect of participation in previous service activities on student experiences in a service-learning course. *Journal for Civic Commitment* 15. Available online at [www.mesacc.edu](http://www.mesacc.edu)

Deggs, D., & Miller, M. T. (2011). The leadership of rural counties, their attributes, and indicators of educational attainment. *e-Journal of Organizational Learning and Leadership*, 9(1), 35-46.

DiBrezzo, R., Glave, A. P., Leszczak, T. J., Applegate, D. K., & Olson, J. M. (2010). A longitudinal analysis of postural sway in broiler chickens. *Medicine & Science in Sports & Exercise*, 42(5), S346.

DeLorey, D. S., Buckwalter, J. B., Mittelstadt, S., Anton, M. M., Kluess, H. A., Tune, J. D., & Clifford, P. S. (2010). Is tonic sympathetic vasoconstriction increased in the skeletal muscle vasculature of aged canines? *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology*, 299, 1342-1349.

Dougan, K., & Pijanowski, J.C. (2011). The effects of academic redshirting and relative age on student achievement. *International Journal of Educational Leadership Preparation*. 6(2), available online at [www.ncpeapublications.org](http://www.ncpeapublications.org)

Dunn, K. E., & Rakes, G. C. (2010). Producing caring qualified teachers: An exploration of the influence of pre-service teacher concerns on learner-centeredness. *Teaching and Teacher Education*, 26, 516-521.

Dunn, K. E., & Rakes, G. C. (2010). Learner-centeredness and teacher efficacy: Predicting teachers' consequence concerns regarding the use of technology in the classroom. *Journal of Technology and Teacher Education*, 18(1), 57-83.

Gitchel, W. D., Turner, R. C., & Rumrill, P. (2010). Differential item functioning in rehabilitation research. *Work*, 36(3), 361-369.

Goering, C. Z., & Baker, K. F. (2010). 'Like the whole class has reading problems': A study of tenth-graders participation in dramatic oral reading activities in an intervention setting. *American Secondary Education*, 38(5), 61-77.

Goering, C. Z., & Burenheide, B. (2010). Exploring the role of music in secondary English and history classrooms through Personal Practical Theory. *SRATE Journal* 19(2), 44-51.

Goering, C. Z., & Copeland, M. D. (2010). Detention and retention of the English teacher. *The Language Arts Journal of Michigan*, 25(2), 48-55.

Greene, J. P., Winters, M. A., & Trivitt, J. R., (2010). The impact of high-stakes testing on student proficiency in low-stakes subjects: Evidence from Florida's elementary science exam. *Economics of Education Review*, 29(1), 138-146.

Hammig, B., & Henry, L. J. (2011). Pediatric injuries associated with fireplaces, United States, 2002-2007. *Pediatric Emergency Care*, 27(2), 106-109.

Hayward, J. B., & Holt, C. R. (2011). Micro-level allocation of ARRA funds. *International Journal of Educational Leadership Preparation*, 6(1) available online at [cnx.org/content](http://cnx.org/content)

Hewitt, P., & Wilhelm, M. (2010). A case study of the Fort Smith Public Schools new teacher induction program. *International Journal of Educational Administration and Policy Studies*. 2(8), 105-112.

Hewitt, P., Denny, G., & Pijanowski, J. C. (2011). Why teacher leaders don't want to be principals. *Journal of Scholarship and Practice*. 8(1).

Hughes, C., & Schmidtke, C. (2010). Meeting HRD global challenges: Training for globalization. *ATEA Journal*, 18(1), 18-21.

Hughes, C. (2010). People as technology conceptual model: Towards a new value creation paradigm for strategic human resource development. *Human Resource Development Review* 9(1), 48-71.

Hughes, C., Wang, J., Zheng, W., & McLean, L. (2010). Implementation Concerns of scholar-practitioners: A pilot study of the link between research and practice. *International Journal of Asian Business and Information Management*, 1(2), 32-46.

Jensen, N. C., Ritter, G. W., & Barnett, J. H. (2010). Dollars for sense: Assessing achievement gaps in Arkansas in the context of substantial funding increases. *Association of Mexican-American Educators (AMAE) Journal*, 4(1), 39-47.

Jiao, Q. G., DaRos-Voseles, D. A., Collins, K. M. T., & Onwuegbuzie, A. J. (2011). Academic procrastination and the performance of graduate-level cooperative groups in research methods courses. *Journal of the Scholarship of Teaching and Learning*, 11(1), 119-138.

Kampourakis, K., & McComas, W. F. (2010). Charles Darwin and evolution: Illustrating human aspects of science. *Science & Education*, 19 (6-8), 637-654.

Keeley, D. W., Wicke, J., Alford, K., & Oliver, G. D. (2010). A biomechanical analysis of forearm pronation and its relationship to ball movement for the two-seam and four-seam fastball pitches. *Journal of Strength and Conditioning Research*, 24(9), 2366-2371.

Kippenbrock, T., Holloway, E., & Moore, D. (2010). Google Docs: A better method than a paper clinical schedule. *Computers, Informatics, Nursing*, 28, 138-140.

Kluess, H. A., Stone, A. J., & Evanson, K. W. (2010). ATP overflow in skeletal muscle 1A arterioles. *Journal of Physiology*, 588, 3089-3100.

Koch, L., Kiener, M., & Gitchel, D. (2010). Action research in rehabilitation education: Curricular applications. *Rehabilitation Education*, 23, 205-214.

Lee, M. S., & Langsner, S. J. (2010). The effect of leisure activity on wellness and job stress of workers. *Korean Society of Leisure & Recreation Journal of Leisure and Recreation Studies*, 34(1), 227-236.

Lee, S. M., Cho, S. H., Kissinger, D. B., & Ogle, N. T. (2010). A typology of burnout in professional counselors. *Journal of Counseling and Development*, 88(2), 131-138.

Leszczak, T., Olson, J., & DiBrezzo, R. (2010). Predicting bone mass in college aged female gymnasts. *Medicine & Science in Sports & Exercise*, 42(5), 703-711.

Lin, C.-P., Kupper, A. E., Gammaioni, A. R., Galer, B. S., & Jensen, M. P. (2011). Frequency of chronic pain descriptor: Implications for assessment of pain quality. *European Journal of Pain*. 15. Available online at 222.europeanjournalpain.com

Lirgg, C. D., DiBrezzo, R., Gray, M., & Esslinger, T. (2011). The effect of climbing wall use on the grip strength of fourth grade students. *Research Quarterly for Exercise and Sport*, 82.

Lui, J. W., Chan, F., Fried, J. H., Lin, C.-P., Anderson, C. A., & Peterson, M. (2010). Roles and functions of benefits counseling specialists: A multi-trait analysis. *Journal of Vocational Rehabilitation*, 32, 163-173.

Mamiseishvili, K., & Koch, L.C. (2010). First-to-second-year persistence of students with disabilities in postsecondary institutions in the United States. *Rehabilitation Counseling Bulletin*, 54(2), 93-105.

Maranto, R., & Hult, K. M. (2010). Does where you stand depend on where you sit? Careerists' attitudes towards political appointees under Reagan. *American Review of Politics*, 31(2), 91-112.

McComas, W. F. (2010). Educating science critics, connoisseurs and creators: What gifted students must know about how science functions. *Gifted Education Communicator*, 41(3), 14-17.

McComas, W. F. (2010). Where is the "origin" in the Origin of Species? *American Biology Teacher*, 72(2), 62-3.

Michaelides, M., Parpa, K., Henry, L. J., & Brown, B. (2011). Assessment of physical fitness aspects and their relationship to firefighter job abilities. *Journal of Strength and Conditioning Research*, 25(4), 956-965.

Miller, M., Nadler, D., & Modica, J. (2010). Organizational performance through staff governance: Improving shared governance in higher education. *e-Journal of Organizational Learning and Leadership*, 8(1), 76-85.

Miles, J. M. (2010-2011). Transitions to power: Leadership strategy and college student government presidents. *National Forum of Educational Administration and Supervision Journal*, 28(2), 51-63.

Miles, J. M. (2010). Experiences of community college student leaders. *The Community College Enterprise*, 16(2), 77-89.

Miles, J. M. (2010). Leadership development among college-aged students. *E-Journal of Organizational Learning and Leadership*, 8(2), 22-29.

Murry, Jr., J. W. (2010). Academic freedom and governance: An analysis of Garcetti v. Ceballos and its aftermath. *Journal of Research in Education*, 20(1), 81-97.

Muyia, H., Kacirek, K., & Nafukho, F. (2010). An empirical study of a leadership development training program and its impact on emotional quotient (EQ) scores. *Advances in Human Resource Development*, 11(6), 703-718.

Nadler, D. P., & Miller, M. T. (2010). Where staff are valued: A comparison of staff governance perspectives by institutional type. *Journal of Research in Education*, 20(1), 68-80.

Nafukho, F., Graham, C., & Kacirek, K. (2010). Education service agency audits reinforcing the need for systematic evaluation. *International Journal of Vocational Education and Training*, 17(2), 19-38.

Nafukho, F., Roessler, R., & Kacirek, K. (2010). Disability as diversity factor: Implications for human resource practices. *Advances in Human Resource Development*, 12, 395-406.

Neal, J. A., Murphy, C. A., Crandall, P. G., O'Bryan, C. A., Keiffer, E., & Ricke, S. C. (2011). Development of an evaluation tool for online food safety training programs. *Journal of Food Science Education*, 10(1), 9-12.

Newell, G., & Connors, S. P. (2011). Why do you think that? A university supervisor's mediation of a pre-service teacher's collateral transfer of pedagogical tools from coursework to fieldwork. *English Education*, 43(3), 225-261.

Newgent, R. A., Behrend, B. A., Lounsbery, K. L., Higgins, K. K., & Lo, W. J. (2010). Psychosocial Educational Groups for Students (PEGS): An Evaluation of the Treatment Effectiveness of a School-Based Behavioral Intervention Program. *Counseling Outcome Research and Evaluation*, 1, 80-94.

Newgent, R. A., Behrend, B. A., Lounsbery, K. L., & Higgins, K. K., Lo, W. J. (2010). Psychosocial educational groups for students (PEGS): An outcome-based program evaluation of the treatment efficacy and effectiveness of a school-based intervention program. *Counseling Outcome Research and Evaluation*. 1(2), 80-94.

Oliver, G. D., Adams-Blair, H. R., & Dougherty, C. (2010). Implementation of a core stability program for elementary school children. *Journal of Athletic Training and Sports Health Care*, 2(6), 261-266.

Oliver, G. D., Aldrich, T. M., & Moiseichik, M. L. (2010). Quantitative analysis of sEMG of the upper extremity musculature while using two different cutting tools. *Clinical Kinesiology*, 64(4), 56-60.

Oliver, G. D., & Dougherty, C. P. (2010). Muscle activation of the contralateral leg during an acute Achilles tendon rupture. *Journal of Strength and Conditioning Research*, 24(8), 2079-2084.

Oliver, G. D., Dwelly, P., & Kwon, Y-H. (2010). Kinematic motion of the windmill softball pitch in prepubescent and pubescent females. *Journal of Strength and Conditioning Research*, 24(9), 2400-2407.

Oliver, G. D., Dwelly, P. M., Sarantis, N., Helmer, R., & Bonacci, J. (2010). Muscle activation of different core exercises. *Journal of Strength and Conditioning Research*, 24(11), 3069-3074.

Oliver, G. D., & Keeley, D. W. (2010). Gluteal muscle group activation and its relationship with pelvic and trunk kinematics in high school baseball pitchers. *Journal of Strength and Conditioning Research*, 24(11), 3015-3022.

Oliver, G. D., & Keeley, D. W. (2010). Pelvic and trunk kinematics and their relationship to shoulder kinematics in high school baseball pitchers. *Journal of Strength and Conditioning Research*, 24(12), 3234-3240.

Oliver, G. D., & Kerkhover, A. (2010). Eales disease: A case study. *Journal of Athletic Training and Sports Health Care*, 2(2), 89-92.

Oliver, G. D., Stone, A. J., & Plummer, H. (2010). Electromyographic examination of selected muscle activation during isometric exercises. *Clinical Journal of Sport Medicine*, 20(6), 452-457.

Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (2010). Innovative data collection strategies in qualitative research. *The Qualitative Report*, 15 (3), 696-726.

Parish, T., Baghurst, T., & Turner, R. (2010). Becoming competitive amateur bodybuilders: Identification of contributors. *Psychology of Men and Masculinity*, 11(2), 152-159.

Rabe, S. B., & Oliver, G. D. (2011). Clavicle fracture in a collegiate football player: A case report of rapid return to play. *Journal of Athletic Training*, 46, 107-111.

Rabe, S. B., & Oliver, G. D. (2010). Athletic pubalgia: A literature review. *Journal of Athletic Training and Sports Health Care*, 2(1), 25-30.

Rakes, G. C., & Dunn, K. E. (2010). The impact of online graduate students' motivation and self-regulation on academic procrastination. *Journal of Interactive Online Learning*, 9(1), 78-93.

Range, B., Dougan, K., & Pijanowski, J. C. (2011). Rethinking grade retention and academic redshirting: Helping school administrators make sense of what works. *International Journal of Educational Leadership Preparation*, 6(2) available online at [www.ncpeapublications.org](http://www.ncpeapublications.org)

Riggs, C., Michaelides, M. A., Parpa, K. M., & Smith-Blair, N.J. (2010). The effects of aerobic interval training on the left ventricular morphology and function of VLCAD-deficient mice. *European Journal of Applied Physiology*, 110, 915-923.

Sheppard, M., Turner, L., & Hunt, S. (2010). Enhancing the practice of osteoprotective behaviors: Application of the health belief model. *Arkansas Journal of Health, Physical Education, Recreation and Dance*, 45(1), 30-39.

Wolf, P. J., & Trivitt, J. (2011). School choice and the branding of Catholic schools. *Education Finance and Policy*, 6(2), 202-245.

Wolf, P. J., & Kisida B. (2010). School governance and information: Does choice lead to better-informed parents? *American Politics Research*, 38(5), 783-805.

Yang, Q., Bai, K., & Miller, M. T. (2011). Testing the improvement of ESL instruction among Chinese college students through computerized graphic visuals. *TESOL Quarterly*, 45(1), 170-181.

## **Un-Refereed Publications, Articles, and Conference Proceedings**

Adams-Blair, H. R., & Oliver, G. D. (2010). C-hildren O-riented R-eally fun E-xercises: A practical core strengthening program for elementary physical education. Invited article in *P.E. Links*4, April12(4).

Agan, J. (2011, Spring). University of Arkansas Q & A: What causes stuttering? *University of Arkansas Research Frontiers*. Available online at [researchfrontiers.uark.edu](http://researchfrontiers.uark.edu)

Aldrich, T., Moiseichik, M., & Oliver, G. D. (2010). Paddlesport entanglement safety tools: Effectiveness and efficiency in knives and shears. Presentation to the National Conference on Outdoor Leadership, Estes Park, CO.

Alliheibi, A., Gorman, D., Lirgg, C., & Kern, J. (2011). Student attitudes towards physical education in Saudi Arabia. Presentation at the American Alliance for Health, Physical Education, Recreation and Dance Conference, San Diego, CA.

Anderson, K. E., & Miller, M. T. (2010). Integrating globalization into the academic department: Keys for chairs. *The Department Chair*, 20(4), 22-24.

Beasley, J. G. (2010). Building scaffolds and bridges: Responsible teaching for diversity. Presentation at the Meeting of the National Association for Gifted Children, Atlanta, GA.

Beasley, J. G., & Capper, M. R. (2010). Mapping mindsets: Using Dweck's work to reinforce effort and reflection in the middle grades. Presentation at the Meeting of the National Association for Gifted Children, Atlanta, GA.

Beasley, J. G. (2010). Becoming media savvy: Using the tools of technology to enhance 21<sup>st</sup> century learning. Presentation to the Best Practices Institute, University of Virginia, Charlottesville, VA.

Beasley, J. G. (2010). A picture is worth a thousand words: Using picture books and graphic novels to differentiate literature. Presentation to the Best Practices Institute, University of Virginia, Charlottesville, VA.

Beasley, J. G. (2010). The parallel of practice: Designing real world learning opportunities to enhance 21<sup>st</sup> century skills. Presentation to the Best Practices, Institute, University of Virginia, Charlottesville, VA.

Beasley, J. G., & Imbeau, M. (2010). The parallel curriculum model: A look at unit examples. Presentation at the Arkansas Gifted and Talented State Conference, Little Rock, AR.

Beasley, J. G. (2010). Tools of the trade: Technology to support differentiation. Presentation at the Arkansas State Conference for Gifted and Talented, Little Rock, AR.

Beck, D., & Wyzard, C. (2010). The digital divide and digital narrative: Exploring the possibilities. In J. Sanchez and K. Zhang (eds.), *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2010* (pp. 26-31). Chesapeake, VA: AACE.

Bowles, F.(2010). Using movement, music, and art to produce text. Presentation to the Foreign Language Teachers Association, Springdale, AR.

Buck, S. & Greene, J. P. (2011). Blocked, diluted, and co-opted. *Education Next*, 11(2), 27-31.

Collins, K. M. T. (2010). Crafting significant learning experiences in the context of teaching mixed methodologies. [Special issue]. *International Journal of Multiple Research Approaches*, 4, 1, 6-8.

Costrell, R. M. (2011, March 25). The simple analytics of teacher pension funding and reform. Presented at the Thirty-sixth Annual Conference of the Association for Education Finance and Policy, Seattle, WA.

Costrell, R. M. & Podgursky, M. (2010, February). *Reforming K-12 educator pensions: A labor market perspective* (Policy Brief). New York, NY: TIAA-CREF Institute.

Costrell, R. M. (2010, December). *The fiscal impact of the Milwaukee Parental Choice Program: 2010-2011 update and policy options* (Milwaukee Evaluation Report No. 22). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Costrell, R. M. & Podgursky, M. (2010, Fall). Introduction to 'Rethinking teacher retirement benefit systems.' *Education Finance and Policy*, 5(4), 393-401.

Costrell, R. M. & McGee, J. (2010). Teacher pension incentives, retirement behavior, and potential for reform in Arkansas. *Joint Statistical Meeting Proceedings*, American Statistical Association.

Costrell, R. M. & McGee, J. (2010). Teacher pension incentives, retirement behavior, and potential for reform in Arkansas. Presented at the 2010 Joint Statistical Meetings, Vancouver, British Columbia.  
Durant, K., & Helms, K. (2010). *Instructional programs employee manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Esslinger, T., Lirgg, C., Gorman, D., Oliver, G., & Hey, W. (2011). Functional movement: A comparison of the effects of yoga verses core stability training. Presentation at the 2011 Hawaii International Conference on Education, Honolulu, HI.

Evanson, K. W., Stone, A. J., & Kluess, H. A. (2011). The effects of chronic estrogen supplementation on neuropeptide Y neurotransmission in skeletal muscle arterioles. Abstract published in the *Federation of the American Societies for Experimental Biology Journal*, 25, 1026-1028.

Glave, A. P., Olson, J. M., Applegate, D. K., & DiBrezzo, R. (2010). The effects of 2 different arm positions on maximum trunk flexion in the bodyweight squat. *International Journal of Exercise Science: Conference Abstract*, 4(1), Article 13.

Goering, C. Z. (2010). The genesis and meaning of a song inspired by literature. *LitTunes*. Available online at [www.comdancer.com/tunes](http://www.comdancer.com/tunes)

Greene, J. P., Kisida, B., & Mills, J. N. (2010, August). *Administrative bloat at American universities: The real reason for high costs in higher education* (Goldwater Policy Report no. 239). Phoenix, AZ: The Goldwater Institute.

Greene, J. P. (2011). The education reform book is dead. *Education Next*, 11(2), 78-80

Greene, J. P. (2011). How schools spend their money [Review of the book *Educational economics: Where do school funds go?*, by M. Roza]. *Education Next*, 11(1), 84-85

Greene, J. P. (2010). Look in the mirror [Review of the book *Making the grade: The economic evolution of American school districts*, by W. A. Fischel]. *Education Next*, 10(3), 76-77.

Grinstead, B. (2010). *Building supervisor manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Grinstead, B. (2010). *The department of intramural/recreational sports student employee manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Grinstead, B. (2010). *Facility assistant handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Grinstead, B. (2010). *Lifeguard handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Grinstead, B. (2010). *Service center manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010). *Outdoor connection center rental center handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010). *Outdoor connection center bicycle shop handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010). *Outdoor connection center trip leading handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010). *Outdoor connection center climbing wall handbook*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010). *Outdoor connection center policies and procedures for trips*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Hazelrigs, J. (2010, October). *Student leadership in the Grand Canyon*. Conference Proceedings for the Association of Outdoor Recreation and Education National Conference, Keystone, CO.

Helms, K. E. (2010). *Campus recreation program involvement, athletic identity, transitional loss and life satisfaction in former high school athletes*. Unpublished doctoral dissertation, University of Arkansas, Fayetteville.

Hughes, C., & Schmidtke, C. M. (2010). Distinguishing HRD global challenges: Training or globalization? *Academy of Human Resource Development Conference Proceedings*. Bowling Green, OH: Academy of Human Resource Development.

Keeley, D. W., Barber, K., & Oliver, G. D. (2010). Kinematic comparison of pelvis kinematics during the baseball pitch: Fatigued and non-fatigued conditions. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference*, 805-809.

Keeley, D. W., Barber, K., & Oliver, G. D. (2010). Kinematic comparison of pelvis kinematics during the baseball pitch: Fatigued and non-fatigued conditions. *The XXVIII International Conference on Biomechanics in Sports Conference*, Marquette, Michigan.

Keeley, D. W., & Oliver, G. D. (2010). Kinematic comparison of two delivery styles in high school baseball pitchers. *American College of Sports Medicine Annual Meeting*, Baltimore, MA.

Keeley, D. W., & Oliver, G. D. (2010). Kinematic comparison of two delivery styles in high school baseball pitchers. *Medicine and Science in Sports and Exercises*; 42(5) Supplement.

Keeley, D., & Oliver, G. D. (2010). Model predicting shoulder compressive force during baseball pitching. *International Journal of Exercise Science*. 4: Article 8.

Keeley D., & Oliver G. D. (2010). Model predicting shoulder compressive force during baseball pitching. *South Central American Society of Biomechanics*, Texas Woman's University, Denton, TX.

Keeley, D. W., Oliver, G. D., Hackett, T., & Torry, M. (2010). A model predicting anterior shear stress in the shoulder during the slide step delivery in high school baseball pitchers. *American Society of Biomechanics Annual Conference*, Providence, RI.

Kluess, H. A., Stone, A. J., & Evanson, K. W. (2011). Pre-junctional potentiation of ATP overflow is age-dependent. Abstract published in the *Federation of the American Societies for Experimental Biology Journal*, 25, 1026.19.

Leppien, J. H., & Imbeau, M. B. (2010). Taking the 1st steps: Design PCM units of instruction. Presentation to the Board at the Annual Meeting of the National Association of Gifted Children, Atlanta, GA.



Mayes, S., & Smith-Nix, A. (2011). Yes - You can teach cha-cha, the gateway Latin dance! National Meeting of the American Alliance for Health, Physical Education, Recreation and Dance, San Diego, CA.

Moiseichik, M., & RESM 5853 School and Community Students. (2010). *Batesville administrative review*. Batesville City County and Parks and Recreation Board, Batesville, AR.

Moiseichik, M. (2010). Dog Parks: A look at the legal issues. *City and Town*, 67(2), 36..

O'Brein, J. E., Dwelley, P., & Oliver, G. D. (2010). Lack of relationship between shoulder and hip range of motion changes in Division-I baseball pitchers. Annual Meeting of the National Athletic Trainers' Association, Philadelphia, PA.

Oliver, G. D. (2010). Pelvic neutral: Key to balance training. Invited article, *Lower Extremity Review*, 2(4), 57-61.

Oliver, G. D. (2010). The windmill softball pitch: Optimal mechanics and patho-mechanics of injury. Invited article, *Athletic Therapy Today*, 15(6), 28-31.

Oliver, G. D. (2010). The windmill softball pitch: Injury prevention implications. Invited article, *International Journal of Athletic Therapy & Training*, 16(1), 27-31.

Oliver, G. D. (2010). The baseball and windmill softball pitch: Pitching mechanics and injury prevention from the lower extremity to the upper extremity. Presentation at the National Athletic Trainers' Association Annual Meeting, Philadelphia, PA.

Oliver, G. D., & Adams-Blair, H. R. (2010). The importance of core strength for prevention of injury. Invited article, *Journal of Physical Education, Recreation & Dance*, 81(7), 15-19.

Oliver, G. D., Abe, M., & Keeley, D. W. (2010). Quantitative analysis of core musculature during two types of baseball pitches: Fastball and change-up. Presentation at the XXVIII International Conference on Biomechanics in Sports Conference, Marquette, MI.

Oliver, G. D., Aldrich, T., & Moiseichik, M. (2010). Quantitative analysis of sEMG of the upper extremity musculature while cutting common paddle sport entanglement materials using two different tools. Presentation at the American Society of Biomechanics Annual Conference, Providence, RI.

Oliver, G. D., Booker, J. M., Stone, A. J., & Plummer, H. P. (2010). Drop landings in military boots. *American Society of Biomechanics Annual Conference*, Providence, RI.

Oliver, G. D., Keeley, D. W., & Abe, M. (2010). Quantitative analysis of core musculature during two types of baseball pitches: Fastball and change-up. *The Scientific Proceedings of the XXVIII International Conference on Biomechanics in Sports Conference*, 489-492.

Olson, J. M., Leszczak, T. J., Stafford, J. A., & DiBrezzo, R. (2010). Comparison between eccentric and high velocity training on lower body strength in older adults. Proceedings of the Central States ACSM Conference, Lawrence, KS.

Oliver, G. D., & Plummer, H. (2010). Descriptive analysis of sEMG during the windmill softball pitch: Pre-fatigue and fatigued. Presentation at the XXVIII International Conference on Biomechanics in Sports Conference and *Conference Proceedings* (pp. 815-819), Marquette, MI.

Oliver, G. D., & Plummer, H. (2010). Ground reaction forces, kinematics, and muscle activations during the softball pitch. The XXVIII International Conference on Biomechanics in Sports Conference and *Conference Proceedings* (pp. 692-695), Marquette, MI.

Oliver, G. D., & Plummer, H. (2010). Quantifying sEMG in pre-fatigue and fatigue states during the fastball baseball pitch. The XXVIII International Conference on Biomechanics in Sports Conference and *Conference Proceedings* (pp. 225-229), Marquette, MI.

Oliver, G. D., Stone, A.J., Plummer, H., & Keeley, D.W. (2010). Quantitative examination of core muscle activation during isometric exercises. Annual Conference of the American Society of Biomechanics, Providence, RI.

Penner-Williams, J., Gonzales Worthen, D. (2010). Coaching and implementation level of English language learners strategies in teacher practice. *Professional Development in Action: Improving Teaching for English Learners*. Washington DC: National Clearinghouse for English Language Acquisition.

Penner-Williams, J. (2010) Behavioral/performance-based objectives. In C. Kridel, (Ed.).*Encyclopedia of Curriculum Studies* (pp.74-75). Thousand Oaks, CA: SAGE

Penner-Williams, J. (2010) Computer-assisted instruction/curriculum. In C. Kridel (Ed.).*Encyclopedia of Curriculum Studies* (pp. 137-139). Thousand Oaks, CA: SAGE.

Penner-Williams, J. (2010) Curricular Standards. In C. Kridel (Ed.).*Encyclopedia of Curriculum Studies* (pp. 137-139). Thousand Oaks, CA: SAGE.

Penner-Williams, J. (2010). Formal curriculum. In C. Kridel (Ed.).*Encyclopedia of Curriculum Studies* (pp.376-377). Thousand Oaks, CA: SAGE.

Penner-Williams, J. (2010) Tested curriculum. In C. Kridel (Ed.) *Encyclopedia of Curriculum Studies* (pp.878-879).Thousand Oaks, CA: SAGE.

Pijanowski, J. C. (2010). Busing and curriculum case law. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp. 91-92). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Legal decisions and curriculum practices. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp. 537-538). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Commercialization of schooling. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp.121-122). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Compulsory schooling and socialization: Case law. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp.136-137). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Home independent study programs. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp. 447-448). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). School prayer in the curriculum: Case law. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp. 761-762). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Secular values in the curriculum: Case law. In C. Kridel (ed.), *The Encyclopedia of Curriculum Studies* (pp. 775-777). Thousand Oaks, CA: SAGE Publications.

Pijanowski, J. C. (2010). Teaching and enforcing ethics for educators. Seventh Annual University Council on Educational Administration, Conference Proceedings, New Orleans, LA, available online at <http://convention2.allacademic.com>

Plummer, H., Keeley, D.W., Oliver, G. D. (2010). Windmill pitching kinetics: Injury implications for high school pitchers. Presentation at the American Society of Biomechanics Annual Conference, Providence, RI.

Plummer, H., Oliver, G. D., & Keeley, D. (2010). Comparison of shoulder kinetics across two delivery styles in high school baseball pitchers. *Medicine and Science in Sports and Exercise*; 42(5) Supplement.

Plummer, H., Oliver, G. D., & Keeley, D. (2010). Comparison of shoulder kinetics across two delivery styles in high school baseball pitchers. Presentation at the American College of Sports Medicine Annual Meeting, Baltimore, MA.

Plummer, H., Oliver, G. D., & Keeley, D. (2010). Quantitative sEMG description of upper extremity muscle activation during baseball pitching: Pre fatigue & fatigue. Presentation at the Meeting of the South Central American Society of Biomechanics, Texas Woman's University, Denton, TX. Also *International Journal of Exercise Science*. 4, Article 10. Available online at [digitalcommons.wku.edu/ijes/](http://digitalcommons.wku.edu/ijes/)

Sheehy, A., & Helms, K. (2010). *Fitness monitor employee manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Sheehy, A., & Helms, K. (2010). *Group exercise employee manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Sheehy, A., & Helms, K. (2010). *Personal trainer employee manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Sheehy, A. (2010). *Commit to fit resource manual*. Fayetteville, AR: Department of Intramural/Recreational Sports.

Smith-Nix, A. (2011). Who's protecting the cookie jar? A guide to fiduciary responsibility. Presentation at the National Meeting of the American Alliance for Health, Physical Education, Recreation and Dance, San Diego, CA.

Smith, K., Webb, J. & Williams, B. (2010). Arkansas Health & Housing Survey: 2010 Addendum. Arkansas Universal Design Project. Fayetteville, AR: University of Arkansas Press.

Stone, A. J., Evanson, K. W., & Kluess, H. A. (2011). The effects of short-term exercise training on purinergic metabolism in skeletal muscle arterioles. Abstract published in the *Federation of the American Societies for Experimental Biology Journal*, 25.

Stotsky, S. (2010) *FORUM 4: Literary study in grades 9, 10, and 11: A national survey*. Boston, MA: Association of Literary Scholars, Critics, and Writers.

Stotsky, S. (2010, September). Shaky new standards for college readiness. *Minding the Campus*. Available online at [www.mindingthecampus.com](http://www.mindingthecampus.com)

Stotsky, S., & Wurman, Z. (2010, July). *Common Core's standards still don't make the grade* (Pioneer Institute White Paper, No. 65). Boston, MA: Pioneer Institute.

Stotsky, S., Madigan, K. & Wurman, Z. (2010, July). *National standards still don't make the grade. Part I: Review of four sets of English language arts standards* (Pioneer Institute White Paper, No. 63). Boston, MA: Pioneer Institute.

Wolf, P. J., Witte, J. F., Dean, A. & Carlson D. (2010). *Milwaukee independent charter schools study: Report on one year of student growth* (Milwaukee Evaluation Report No. 21). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J., Witte, J. F., Carlson, D., Cowen, J. M., & Fleming, D. J. (2011). *MPCP longitudinal educational growth study: Fourth year report* (Milwaukee Evaluation Report No. 23). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J., Witte, J. F., Cowen, J. M., Fleming, D. J., & Witte, J. F. (2011). *Student attainment and the Milwaukee Parental Choice Program* (Milwaukee Evaluation Report No. 24). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J., Witte, J. F., Dean, A., & Carlson, D. (2011). *Milwaukee independent charter Schools study: Report on two- and three-year achievement gains* (Milwaukee Evaluation Report No. 25). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J. & McShane, M. Q. & (2011). *Milwaukee longitudinal school choice evaluation: Annual school testing summary report 2009-10* (Milwaukee Evaluation Report No. 26). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J., Kisida, B., & Jensen, L. I. (2011). *The Milwaukee Parental Choice Program: Descriptive report on participating schools 2009-2010* (Milwaukee Evaluation Report No. 27). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Wolf, P. J. (2011). *The comprehensive longitudinal evaluation of the Milwaukee Parental Choice Program: Summary of fourth year reports* (Milwaukee Evaluation Report No. 28). Fayetteville, AR: University of Arkansas, School Choice Demonstration Project.

Zajicek, A., Turner, R, Koski, P., & Hughes, C. (December 9, 2010). *National Science Foundation ADVANCE Grant – University of Arkansas: Environmental Assessment Group Committee Report*. Technical Report developed for the University of Arkansas ADVANCE grant team, Fayetteville, AR.

### **Invited Lectures**

Beasley, J. (2010). Building and sustaining differentiated instruction. Invited presentation at the Koç School, Istanbul, Turkey.

Dittmore, S. W. (2011). *Adding value to customer experiences through social media*. Invited presentation to the Fayetteville Hospitality Summit, Fayetteville, AR.

Dittmore, S. W. (2011). *Using social media to engage parks users*. Presentation to the Arkansas Recreation and Parks Association annual conference, Little Rock, AR.

Dittmore, S. W. (2010, September). *The BCS: Competitive balance and scheduling disincentives*. Presentation to the Honors College, University of Arkansas. Fayetteville.

Bowles, F. (2010). Survival tips for note-taking. Office of Student Support Services, University of Arkansas, Fayetteville AR.

Bowles, F. (2010). Standards and curriculum: The impact on education for the future. Invited presentation, Fayetteville Public Library, Fayetteville, AR.

Bowles, F. (2010). Foreign language education under threat in Arkansas. Presentation delivered at Northwest Arkansas Community College, Rogers, AR.

Collier, M. (2010). Developing leaders for the field: Workshop for trainers of social service field workers. Invited workshop presentation for Academic Partnership in Public Child Welfare for the State of Arkansas, Eureka Springs, AR.

Costrell, R. M., & Podgursky, M. (2010). Teacher retirement benefits. Presented at the George W. Bush Institute, Dallas, TX.

Costrell, R. M. (2010). Research on state teacher pension systems and reform. Presentation to the U.S. Department of Education, Institute of Education Sciences Regional Educational Laboratory Southwest Governing Board, Dallas, TX.

Costrell, R. M. (2010). Teacher pension incentives and distribution of benefits in Illinois & Chicago. Presentation to the Joyce Foundation's Illinois Project Advisory Committee Meeting, Chicago, IL.

Costrell, R. M. (2010). Teacher pension wealth accrual in Illinois: Current vs. future hires. Presentation to the Joyce Foundation's Illinois Project Advisory Committee Meeting, Chicago, IL.

Costrell, R. M. & McGee, J. (2010). Longitudinal analysis of teacher retirement behavior in Arkansas. Invited presentation at the NCES Summer Data Conference, Bethesda, MD.

Deggs, D., & Murphy, C. (2011). *Teaching online*. Presentation to the University of Arkansas faculty, Teaching and Faculty Support Center Winter Symposium, Fayetteville, AR.

Dunn, K. E. (2010, November). *Bridging the gap between benchmark exams and classroom practice through formative maps*. Presentation at the Office for Educational Policy Conference, Little Rock, AR.

Fort, I., & Levine, D. (2010). *Engaging students*. University of Arkansas Teaching and Faculty Support Center Teaching Retreat, Morrilton, AR.

Goering, C. Z. (2010). Arkansas history professional development. Invited workshop presentation Walton Performing Arts Center, Fayetteville, AR.

Gray, M. (2011). Exercise: The appropriate exercise prescription. University of Arkansas for Medical Sciences, College of Pharmacy, Regional Continuing Pharmacy Education Program. Fayetteville, AR.

Greene, J. P. (2010). Administrative bloat in American universities. Goldwater Policy Institute, Phoenix, AZ.

Greene, J. P. (2010, November) Social promotion. Excellence in Action Conference, Foundation for Excellence in Education, Tallahassee, FL.

Greene, J. P. (2010, December) Measuring school quality. Arkansas Department of Education's Technical Advisory Committee, Little Rock, AR.

Hewitt, P. (2010). The four-day school week and the impact on student performance. Presentation at the Annual Conference of the Arkansas Association of Colleges for Teacher Education, Conway, AR.

Hewitt, P. (2010). The four-day school week: Implications for board policy. Presentation at the Annual Conference of the Arkansas School Boards Association, Little Rock, AR.

Higgins, K. K., & Baker, K. (2010). Advocacy 101: Securing the best resources for your child, client, or student. Arkansas Speech and Hearing Association Summer Workshop, Alma, AR.

Higgins, K. K. (2010). Fostering motivation in adolescent males in West Fork. College of Education and Health Professions Academic Seminar Series, Fayetteville, AR.

Imbeau, M. B. (2010). Leading and managing a differentiated classroom. Keynote Address to Edufest Conference, Boise State University, Boise, ID.

Imbeau, M. B. (2010). Observing in a differentiated classroom. Fall Conference on Teaching and Learning, Association of Supervision and Curriculum Development, Chicago, IL.

Imbeau, M. B. (2010). Using learner profile data to inform instruction. Fall Conference on Teaching and Learning, Association of Supervision and Curriculum Development, Chicago, IL.

Jensen, M., & Calleja, P. C. (2010). *Student mentoring and advising*. Presented at the University of Arkansas Teaching Camp, Mount Petit Jean, AR.

Lucas, C. (2010). Careerism, consumerism and the condition of contemporary academe: How American higher education lost its soul. Keynote Address at Academy for Educational Studies, St. Louis, MO.

Lucas, C. (2010). From junior to community college: The ghost of Ezra Cornell. Bucholz Lecturer at the 40<sup>th</sup> Year celebration of the Higher Education Program at University of North Texas, Denton, TX.

Kawulich, B., Shannon, D., Miller, M., Ross, M., & Hadley, W. (2011). Getting your work published: Editors, guidelines, and the academic review process. Panel presentation at the Annual Meeting of the Eastern Educational Research Association, Sarasota, FL.

Kissinger, D. B. (2010). Mood disorders: Implications for athletic trainers. Presented to the Medical Conditions in Athletic Training class, University of Arkansas, Fayetteville.

Kissinger, D. B. (2010). Diversity in the workplace. Presented to the Higher Education Program, Individual and Group Management Skills class, University of Arkansas, Fayetteville.

Kissinger, D. B. (2010). An overview of clinical mental health counseling. Presented to students in the Foundations of the Counseling Profession class, University of Arkansas, Fayetteville.

Kippenbrock, T. (2010). Collaboration of technical, community, and university schools of nursing leads to innovation. Paper presented at the National League of Nursing Education Summit, Las Vegas, NV.

Kluess, H. A. (2011). Sympathetic neurotransmission in skeletal muscle arterioles. Presentation to the Department of Kinesiology, University of Texas at Arlington.

Kluess, H. A. (2010). Age-related changes in the skeletal muscle vasculature: Sympathetic neurotransmission in skeletal muscle arterioles. Presentation to the Annual Meeting of the Central States American College of Sports Medicine, Kansas City, KS.

Koch, L. (2010). Qualitative research. Presentation to the Psychology Club, John Brown University, Siloam Springs, AR.

Koch, L. (2010). Action research. Presentation to Higher Education students in the Research Techniques in Higher Education class, University of Arkansas, Fayetteville.

Mayes, S., Schwab, W., Rollins, J., Dillard, T., Bowles, F., Misciewicz, K., & Thomas, D. (2010). Standards and curriculum: The impact on education for the future. Presented to the Iota Chapter of Delta Kappa Gamma International, Fayetteville, AR.

McComas, W. F. (2010). Darwin and evolution: Myths, misconceptions and reality. Keynote Address to the Annual Meeting of the American Philosophical Society, Philadelphia, PA.

McComas, W. F. (2010). A proposed typology for the use of the history of science in science teaching. Presentation at the 8th International Conference for the History of Science in Science Education. Maresias, Sao Sebastiao, Brazil.

McComas, W. F. (2011). Developing experts through science instruction. Presentation at the California Association for the Gifted Palm Springs, CA.

Miller, M. T. (2011). Developing and maintaining a research agenda: Strategies for new faculty (and graduate student) success. Presentation for the College of Education and Higher Education Administration Program, University of Alabama, Tuscaloosa, AL.

Miles, J. M. (2010). Careers in student affairs. Invited panelist, Division of Student Affairs Professional Development Series, University of Arkansas, Fayetteville.

Miles, J. (2010). Freshmen year success! Guest Lecturer in the First Year Experience Course, University of Arkansas, Fayetteville.

Miles, J. (2011). Student affairs staff development. Division of Student Affairs Staff Development Series, University of Arkansas, Fayetteville.

Moiseichik, M. (2010). Legal and political issues for park and recreation directors. Presentation at the National Parks and Recreation Association Director's School, Ogleby Bay, WV.

Moiseichik, M. (2010). Risk management. Presentation at the National Parks and Recreation Association Director's School, Ogleby Bay, WV.

Murphy, C. (2011). *How to develop online faculty: Lessons learned and bridges burned*. Featured presentation for the Pennsylvania State System of Higher Education's Distance Learning Week (delivered online).

Pijanowski, J. C. (2011). Failure, redemption and other paths to moral leadership. Social Justice Practicum. Union College, Schenectady, JY.

Pijanowski, J. C. (2011). Ethical professional practice in higher education. Professional Staff Development Series, University of Arkansas, Fayetteville.

Schmidtke, C. (2010). International research. Poster presentation, University of Arkansas Graduate School International Week, Fayetteville.

Smith, K., Webb, J., & Williams, B. (2010). Just below the line: Disability, housing and equity in the south. Presentation at the Arkansas Universal Design Project Fall Strategic Planning Symposium, Little Rock, AR.

Smith, K., & Williams, B. (2010). Assessing needs and determining priorities; Facilitating communities of choice. Forum on Employment and Housing for People with Disabilities, sponsored by Wal-Mart, Inc., Bentonville, AR.

Stotsky, S. (2010) The academic competence of Massachusetts teachers: A civil rights issue. Meeting of the Worcester Regional Research Bureau, Worcester, MA.

Stotsky, S. (2010) How to align licensure tests for elementary teachers to Common Core's reading and vocabulary standards. Symposium for the International Dyslexia Association, Phoenix, AZ.

Tomlinson, C. A., & Imbeau, M. B. (2010). Managing a differentiated classroom. Presentation to the Annual Conference of the Mediterranean Association of International Schools, Tunis, Tunisia.

Tomlinson, C. A., & Imbeau, M. B. (2011). Learning for differentiation. Presentation to the Winter Professional Development Institute for the Association for Supervision and Curriculum Development, Houston, TX.

Totten, S. (2010). The Genocide in Darfur: Antecedents, atrocities, ramifications. Genocide and Human Rights University Program, Zoryan Institute, University of Toronto.

Totten, S. (2010). Public Lecture: Genocide in Darfur. University of Nebraska, Lincoln, NE.

Williams, B. (2010). Keynote address. Social justice: Beyond redistribution, the fiscal efficacy of equity based funding. Langston University's 2nd Annual Social Justice Training Conference, Tulsa, OK.

Williams, B. (2010). Behavior management strategies for individuals with Alzheimer's Disease. Training workshop at Butterfield Trail Village, Fayetteville, AR.

Williams, B. (2010). Behavior management strategies for individuals with Alzheimer's Disease: Micro-skills acquisition and practice. Training workshop at Butterfield Trail Village, Fayetteville, AR.

Williams, B. (2010). Understanding psychological and vocational evaluations. Training workshop for Northwest Arkansas Mental Health Counselor's Association, Fayetteville, AR.

Wiggins, D., & Collier, M. (2010). A musical adventure in literacyland: Unlocking the musical door to reading. 57th Annual Study Conference of the North Carolina Association for the Education of Young Children, Raleigh, NC.

Wolf, P. J. (2010). What the research says about public charter schools. Presentation to the 62nd Annual Conference of Southwest Foundations, Vail, CO.

Wolf, P. J. (2010). Governmental and philanthropic grants. Guest lecture to the students in the Educational Technology graduate program, University of Arkansas, Fayetteville.

Zepeda, S. J., Parylo, O. & Bengtson, E. (2010, December). Professional development: What works. Presentation at the Annual Conference of the National Staff Development Council. Atlanta, GA.

### **Other Lectures, Papers, and Presentations**

Agan, J., & Hagstrom, F. (2010). *Digital literacies and disabilities: Historical, cultural and social transformations*. Poster presented at the annual meeting of the American Speech, Language and Hearing Association, Philadelphia, PA.

Airola, D., & Mulvenon, S. (2010). *Aspiring teachers and leaders – linchpins in a comprehensive approach to education reform for P-20*. Paper presented at the annual NCES Winter Forum and 23rd Annual Management Information Systems Conference, Phoenix, AZ.

Airola, D., Mulvenon, S., Dunn, K., & Garrison, M. (2010). *The road less traveled: Using data-driven decision making in your SLDS Project*. Paper presented at the National Center for Education Sciences Summer Data Conference, Washington DC.

Alliheibi, A., Gorman, D., Lirgg, C., & Kern, J. (2011). *Student attitudes towards physical education in Saudi Arabia*. Presentation at the American Alliance for Health, Physical Education, Recreation and Dance Conference, San Diego, CA.

Armstrong, A., Koch, L.C., Lewis, A.N., & Hurley, J. (2010, April). Gender, disability, and employment discrimination: Recommendations for practice. 10th National Rehabilitation Educators Conference. Manhattan Beach, CA.

Barry, S., Rose, K., Booker, R., Dunagan, M., Flores-Isom, P., Gaffney, M., Gilmer, S., Gosney, M., Lloyd, L., Peterson, R., Sisco, M., Todd, K., Voelkel, M., Younger, D., Deggs, D., & Kacirek, K. (2010). *What do lifelong learners value?* Paper presentation at the American Association of Adult and Continuing Education, Clearwater, FL.

Biggs, B., Honeycutt, D., & Slaughter, S. (2011). *The do's and don'ts of PowerPoint: Using it to effectively train*. Presentation at the Early Childhood Association Annual Conference, Hot Springs, AR.

Beck, D. (2011). *Influence of avatar choice on teacher expectations and perceptions of student success*. Paper presented at the American Educational Research Association, New Orleans, LA.

Beck, D. (2010). *Free and Open-Access Technology Tools that Increase Motivation and Learning in the Classroom*. Presentation at the Arkansas Association of Teacher Educators Conference, Conway, AR.

Benton, G. M. (2010). *Wearing four hats: Interpretation's effectiveness in achieving multiple goals*. National Association for Interpretation International Conference, Townsville, Australia.



Benton, G. M. (2010). *Feeling satisfied: Creating, gathering and understanding a collaborative visitor survey*. National Association for Interpretation National Conference, Las Vegas, NV.

Blackford, K., & Stegman, C. E. (2010). *Attributing Success When Multiple Interventions Are in Place*. Paper presented at the National Evaluation Institute, Williamsburg, VA.

Bonacci, J., Kurani, A., Oliver, D., & Dwelly, P. (2011). *An investigation in comparing stable and unstable rescuer positions of spine boarding extraction protocols of undocumented injury scenarios in a gymnastics pit*. World Federation of Athletic Training and Therapy, Banff, Alberta, Canada.

Bonner, F. Murry, Jr., J. W., Booker, L., Brookins, B., & Banda, R. (2010). *Inside information on high-achieving African-American college students*. Research symposium presentation, Texas Association for the Gifted and Talented Annual Professional Development Conference, Fort Worth, TX.

Bonner, F., Lewis, C., Louis, D., & Murry, J. (2010). *Brother can you spare a dime: Gifted American males in college*. Presentation at the Texas Association for the Gifted and Talented Annual Professional Development Conference, Fort Worth, TX.

Boughfman, E., Kissinger, D., & Higgins, K. (2011). *The development and validation of the school-based counseling self-efficacy scale*. Research paper presentation at the American Counseling Association Conference, New Orleans, LA.

Bowles, F. (2010). *Choose your passion: Finding purpose through poetry*. Presentation at the Arkansas Association of Teacher Educators, Conway, AR.

Buckley, K. J., & Goering, C. Z. (2010, November). *Northwest Arkansas Writing Project: English language learner advanced institute*. Paper presented at the Annual Meeting of the National Writing Project, Orlando, FL.

Buron, B. (2010). *Utilizing the Personhood Model for Demential Care (PMDC) to review, Organize, and Promote Personhood and Person-centered Care Interventions in the Nursing Home Setting*. Poster session presented at the annual meeting of the International Conference on Alzheimer's Disease, Honolulu, HI.

Burt, D. J., Brown, D. F., & Dittmore, S. W. (2011). *Examining possible academic clustering in Division I non-revenue sports*. Presented at the College Sport Research Institute's Scholarly Conference on College Sport, Chapel Hill, NC.

Burt, D. J., Brown, D. F., & Dittmore, S. W. (2011). *Characteristics which effect quality tutoring among student-athletes at a FBS school*. Poster presentation at the College Sport Research Institute's Scholarly Conference on College Sport, Chapel Hill, NC.

Calleja, P., Kern, J. & Hunt, S. (2010). *Have fun with team building: Strategies for success*. Presentation at the Arkansas Association of Health, Physical Education, Recreation and Dance Convention, Little Rock, AR.

Casey, E. (2010). *Brown people drive old cars —the construction of racial attitudes in young children and the role of educators and teacher educators in guiding development*. Presented at the Annual Conference for National Association of Early Childhood Teacher Educators, Anaheim, CA.

Collins, K. M. T. (2010). *Introducing a sampling model applicable for conducting mixed research*. Paper presented at the 6th Mixed Methods International Conference, Baltimore, MD.

Collins, K. M. T., Onwuegbuzie, A. J., & Johnson, R. B. (2010). *Presenting validity standards for conducting mixed research*. Paper presented at the 6th Mixed Methods International Conference, Baltimore, MD.

Collins, K. M. T. (2011). *Three-component sampling model applicable in mono-mixed research studies*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

Collins, K. M. T., Onwuegbuzie, A. J., Johnson, R. B. (2011). *mixed research*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

Collins, K. M. T., Onwuegbuzie, A. J., & Leech, N. L. (2011). *Quantitative dominant and qualitative dominant crossover mixed analyses*. Paper presented at annual meeting of the American Educational Research Association, New Orleans, LA.

Collins, K. M. T., Onwuegbuzie, A. J., & Leech, N. L. (2011). *Quantitative dominant and qualitative dominant crossover mixed analyses*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.

Connors, S. P. (2011). *Reading images: Deconstructing the visual design of graphic novels*. Presentation at the Popular Culture Association -American Culture Association 2011 National Conference, San Antonio, TX.

Connors, S. P. (2010). *Scatterbrained reading: A case study of six students in a graphic novel reading group*. Presentation at the 60th Annual Meeting of the National Reading Conference. Fort Worth, TX.

Connors, S. P., & Lorimer, J. (2010). *Rethinking reading: Graphic narrative in the classroom*. Paper presented at the Arkansas Curriculum Conference, Little Rock, AR.

Connors, S. P. (2010). *"I didn't see that!": Using images to promote close reading*. Research paper presented at the Arkansas Curriculum Conference, Little Rock, AR.

Deggs, D. (2010). *How do adults who are most in need persist in ABE and GED programs?* Research presentation at the American Association of Adult and Continuing Education. Clearwater, FL.

Deggs, D., Hilleke, G., Stewart, S., & Powell, K. (2010). *Ready and response service team: Linking disaster preparedness and response efforts in three states*. Research presentation to the Gulf-South Summit on Service-Learning and Civic Engagement through Higher Education. Athens, GA.

Deggs, D., & Miller, M. T. (2010). *How does community expectancy affect educational attainment?* Paper presentation at the Annual conference of the American Association of Adult and Continuing Education, Tampa, FL.

Deggs, D., Miller, M. T., & Newman, R. E. (2010). *Toward a theory of community expectancy: Impact on postsecondary attendance*. Presentation at the Annual Meeting of the Eastern Educational Research Association, Sarasota, FL.

Deggs, D., & Miller, M. T. (2011). *Managing a college's persona in the community*. Presentation at the Annual Meeting of the Council for the Study of Community Colleges, American Association of Community Colleges, New Orleans, LA.

Dere, S., Garland, C., & Beeler, B. (2011, June). *The risk of competing at home*. Symposium conducted at the Collegiate Sport Club Symposium, Hartford, CT.

Dingman, S., Kent, L. B., Empson, S. B., & Baek, J. (2011). *Leverage points in teacher knowledge: Examining relationships between subject matter knowledge and pedagogical content knowledge of practicing teachers*, Presentation at the Association of Mathematics Teacher Educators Annual Meeting, Irvine, CA.

Dunn, K. E., Lo, W., Sutcliffe, R., & Mulvenon, S. W. (2010, April). *Revisiting the MSLQ: A factor analysis of what is and what could be*. Paper presented at the American Educational Research Association Conference, Denver, CO.

Dunn, K., & Nickens, B. & Mulvenon, S. (2010). *Revisiting the MSLQ: A factor analysis of what is and what could be*. Paper presented at the 2010 American Educational Research Annual Meeting, Denver, CO.

Esslinger, T., Lirgg, C., Gorman, D., Oliver, G., & Hey, W. (2011). *Functional movement: A comparison of the effects of yoga verses core stability training*. Presentation at the Hawaii International Conference on Education, Honolulu, HI.

Fisher, K., & McComas, W. F. (2010). *Enhancing biology teaching and learning with conceptual assessment*. Paper presented at Annual Meeting of the National Association for Biology Teachers, Minneapolis, MN.

Gabul-Zada, A., & Henry, L. J. (2011). *Adherence to the physical activity pyramid: Comparison between academic majors*. Presentation at the Annual Conference of the American Alliance of Health, Physical Education, Recreation, & Dance, San Diego, CA.

Gartin, B. C., Murdick, N. L., Chaturvedi, A., & Rhomberg, T. (2011). *Handwriting instruction: Forgotten and left behind*. Paper presented at Council for Exceptional Children Convention and Expo, National Harbor, MD.

Goering, C. Z., Sitomer, A., Cirelli, M., & Williams, C. (2010). *Behind the music: How and why to use popular music to teach English*. Paper presented at the meeting of the Annual Convention of the National Council of Teachers of English, Philadelphia, PA.

Goering, C. Z., & Jolliffe, D. A. (2010). *The Arkansas Delta Oral History Project: Theorizing, practicing, and researching a literacy sponsorship initiative*. Poster presentation at the International Reading Association's World Congress, Auckland, New Zealand.

Goering, C. Z., & Medders, J. (2010). *Writing the soundtracks of our lives*. Paper presentation at the Annual Meeting of the Arkansas Alternative Education Conference, Rogers, AR.

Goering, C. Z., & Vest, J. T. (2010). *Hold my hand: Teaching English with music*. Paper presented at the meeting of the Arkansas Curriculum Conference, Little Rock, AR.

Goering, C. Z., Stotsky, S., & Jolliffe, D. A. (2010). *Literature and the teaching of it in America and Arkansas*. Paper presented at the meeting of the Arkansas Curriculum Conference, Little Rock, AR.

Grimes, A., & Gorman, D. (2011). *Designing questions which peak interest and promote learning*. Presentation at the Hawaii International Conference on Education, Honolulu, HI.

Hardin, R., Koo, G-Y., & Dittmore, S. W. (2011). *Online sport media-subscription motives and media-use behaviors*. Presentation at the North American Society for Sport Management annual conference, London, Ontario, Canada.

Hazelrigs, J. & Taylor, W. (2010). *Student staff development in the Grand Canyon National Park*. Presented at the Association of Outdoor Recreation and Education National Conference, Keystone, CO.

Henry, L. J. (2011). *Calming rough seas: The spiritually-grounded workplace as corporate wellness*. Presentation at the Annual Conference of the American Alliance of Health, Physical Education, Recreation, and Dance, San Diego, CA

Henry, L. J., & Dewald, L. (2011, April). *Swim, don't just tread water! Strategies for managing workplace bullying*. Presentation at the Annual Conference of the American Alliance of Health, Physical Education, Recreation, and Dance, San Diego, CA.

Higgins, K., Boughfman, E., & Robertson-Gann, A. (2010). *Understanding self-injurious behavior*. Presentation to the American School Counseling Association Conference, Boston, MA.

Higgins, K. K., Davis, T., & Gallini, B. (2010). *Advocacy 101: Securing the best resources for your child, client, or student*. Presentation at the Arkansas Counseling Association Conference. Hot Springs, AR.

Higgins, K. K., Gallini, B., & Davis, T. (2010). *Fostering academic motivation in adolescent males: The N-ACH project*. Research paper presentation at the Southern Association of Counselor Education and Supervision Regional Conference, Williamsburg, VA.

Higgins, K. K., & Robertson-Gann, A. (2010). *Preparing students with disabilities for transition to school to work and/or postsecondary school*. Presentation at the Arkansas Counseling Association Conference. Hot Springs, AR.

Hill, B. W., Gattis, C. S., Hestekin, C. N., Tschepikow, N., Denny, G. S., & Clausen, E. C. (2010). *UAESP: A new and improved program for helping middle school teachers devise their own hands-on engineering and science activities*. Paper presented at the Annual Meeting of the American Society for Engineering Education, Midwest Section, Lawrence, KS.

Holaway, C. A., & Stegman, C. E. (2010). *Evaluating the impact of Arkansas MSP projects: A meta-analysis*. Paper presented at the Annual American Educational Research Association Conference, Denver, CO.

Holaway, C.A., & Stegman, C. E. (2010). *The impact of MSP implementation on project success*. Paper presented at the Annual American Educational Research Association Conference, Denver, CO.

Johnson, C., & Collins, K. (2010). *A mixed research framework to analyze and implement culturally relevant pedagogy in higher education*. Poster Presentation for the Mixed Methods Conference, Baltimore, MD.

Jones, C., Hammig, B. J., & Henry, L. J. (2010). *Weightlifting injuries in women 2002-2009*. Presentation at the Safety 2010 World Conference, London, England, UK

Jones, C., Hammig, B., & Henry, L. J. (2010). *Injuries associated with video gaming in the US, 2002-2007*. Presentation at the Safety 2010 World Conference, London, England, UK

Jones, C., Hammig, B. J., & Henry, L. J. (2010). *Injuries associated with interactive game consoles*. Presentation at the World Injury Conference, London, England.

Jones, C., Hammig, B. J., & Henry, L. J. (2010). *Weightlifting injuries in women: Data from 2000-2007*. Presentation at the World Injury Conference, London, England.

Kacirek, K., Grover, K., & Deggs, D. (2010). *Herding change: The impact of a corporate dairy on a rural agricultural community*. Presentation at the Annual Meeting of the American Association of Adult and Continuing Education, Clearwater, FL.

Kampfe, C., & Koch, L. (2010). *Breaking the glass ceiling: The promotion and tenure dilemma of women faculty in rehabilitation education*. National Association of Multicultural Rehabilitation Concerns 17th Annual Training Conference, Las Vegas, NV.

Kern, J., & Calleja, P. (2011). *Building partnerships through professional development*. Presentation at the National Association for Kinesiology and Physical Education in Higher Education annual conference, Orlando, FL.

Kern, J. C., & Calleja, P. (2010). *Authentic assessment*. Presentation at the PE4Life Summit, Kansas City, MO.

Kern, J. C., & Calleja, P. C. (2011). *Building partnerships through professional development*. Presentation at the National Association of Kinesiology and Physical Education in Higher Education annual conference, Orlando, FL.

Kerr, B., Kerr, G., & Miller, W. (2011). *Bureaucratic, leadership, and workforce representation among female administrators, principals, assistant principals, and classroom teachers in U.S. school districts, 2002-2008*. Presentation at the Midwest Political Science Association 69th Annual Conference, Chicago, IL.

Kissinger, D. B., Hall, M., & Lamar, K. (2010). *Supervision or therapy-by-proxy?: Understanding and applying supervision models within an ethical framework*. Presentation at the 65th Annual Arkansas Counseling Association Conference, Hot Springs, AR.

Koch, L., & Mamiseishvili, K. (2010, October). *First-to-second year persistence of students with disabilities in postsecondary institutions*. National Rehabilitation Counseling Professional Development Symposium, Oklahoma City, OK.

Koch, L. C., & Conyers, L. M. (2010). *VR and chronic illness: Best practices for a growing demographic*. Paper presentation at the Arkansas Rehabilitation Association Annual Training Conference, Hot Springs, AR.

Koo, G-Y., Hardin, R., & Dittmore, S.W. (2011). *Collegiate football season ticket holders perception of service quality*. Presentation at the College Sport Research Institute's Scholarly Conference on College Sport, Chapel Hill, NC.

Lee, C., & McComas, W. F. (2011). *The design and implementation of elementary science methods instruction in colleges and universities in Arkansas*. Presentation at the Annual Meeting of the Association for Science Teacher Education, Minneapolis, MN.

Leech, N. L., Collins, K. M. T., Jiao, Q. G., & Onwuegbuzie, A. J. (2010). *Gifted education: A mixed methods study of the literature*. Paper presented at the Annual Meeting of the Mid-South

Educational Research Association, Mobile, AL.

Leech, N. L., Collins, K. M. T., Jiao, Q. G., & Onwuegbuzie, A. J. (2011). *A mixed research investigation of trends in the gifted education literature*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

Lein, D., Turner, L., Clark, D., Kohler, C., Schoenberger, Y., Morgan, S., Snyder, S., & Hunt, S. (2011). *Evaluation of the prevention of osteoporosis in women (POW) program*. Presentation at the Annual Congress of the American Alliance of Health, Physical Education, Recreation and Dance, San Diego, CA.

Leppien, J. H., & Imbeau, M. B. (2010). *Peeking into classrooms: A Look at the parallel curriculum model teaching and curricular design*. Presentation at the Annual Meeting of the National Association of Gifted Children, Atlanta, GA.

Lo, W., Mulvenon, S., & Khojasteh, J. (2010). *The sensitivity of the omnibus hypothesis test for identifying noninvariant measure*. Paper presented at the Annual Meeting of the American Educational Research Association, Denver, CO.

Machtmes, K., & Deggs, D. (2010). *Considering psychological and emotional impact issues in service-learning projects*. Presentation to the American Educational Research Association Annual Meeting, Denver, CO.

Mamiseishvili, K., & Koch, L. (2010). *Effects of disability conditions, disability-related educational services, and social and academic integration of persistence of students with disabilities*. Research paper presentation at the Association for the Study of Higher Education Conference, Indianapolis, IN.

Miller, M. T. (2010). *Shared governance as a practical problem: Perspectives of college leaders*. Paper presentation at the Eighth Annual National Society of Shared Governance, Cincinnati, OH.

Miller, M. T., Deggs, D., & Morris, A. (2011). *Leadership in a time of peril: The private junior college presidency*. Presentation at the Annual Meeting of the Council for the Study of Community Colleges, New Orleans, LA.

Miller, M. T., Deggs, D., & Newman, R. E. (2010). *Toward a theory of community expectancy: Impact on postsecondary attendance*. Presentation at the Annual Meeting of the Eastern Educational Research Association, Sarasota, FL.

Miller, M. T., & Deggs, D. (2011). *The power of the community college: Identity development among rural community citizens*. Presentation at the Annual Meeting of the Council for the Study of Community Colleges, American Association of Community Colleges, New Orleans, LA.

Miles, J. M. (2010). *Choosing involvement: The experiences of community college student leaders*. Research paper presented at the Annual meeting of the Mid-South Educational Research Association, Mobile, AL.

Miles, J. M. (2010). *Reflections of student government association leaders: Implications for advisors*. Research paper presented at the Annual meeting of the Mid-South Educational Research Association, Mobile, AL.

Miles, J. M. (2010). *Important qualities of a student affairs doctoral program*. Presentation at the Annual meeting of National Association of Student Personnel Administrators, Chicago, IL.

Miller, M., & Deggs, D. (2010). *How does community expectancy affect educational attainment?* Research paper presented at the American Association of Adult and Continuing Education, Clearwater, FL.

Miles, J. M., Cooper, D., Nadler, D., Erwin, S., & Eberhardt, D. (2010). *Student government voter turn-out: Why should students vote?* Presentation at the Annual meeting of National Association of Student Personnel Administrators, Chicago, IL.

Mulvenon, S., Airola, D., & Sutcliffe (2010). *High data quality and bad statistics: A user's perspective of LDS systems*. Paper presented at the NCES Summer Data Conference, Bethesda, MD.

Mulvenon, S., & Khojasteh, J. (2010). *A new approach to merging data: Redefining longitudinal data in education*. Paper presented at the Annual Meeting of the American Educational Research Association, Denver, CO.

Mulvenon, S., & Khojastey, J. (2010). *Understanding and implementing longitudinal data systems: Convergent modeling of data systems to improve statistical accuracy*. Paper presented at the 6<sup>th</sup> Annual IES Research Conference, National Harbor, MD.

Mulvenon, S., & Airola, D. (2010). *Is this analysis correct? Understanding the link between data quality and analysis*. Paper presented at the annual NCES Winter Forum and 23rd Annual Management Information Systems Conference, Phoenix, AZ.

Murdick, N. L., & Gartin, B. C. (2010). *Effective teacher skills for the inclusive classroom*. Poster presentation for the CEC-Division on International Special Education and Services, Riga, Latvia.

Murphy, C. (2010). *Five surefire ways to improve clarity in online courses*. Presented at the Annual Conference on Distance Teaching and Learning, Madison, WI.

Murphy, C. (2010). *Does one size fit all? Examining an online course development training program for faculty*. Presentation at the Sloan-C Annual Conference, Orlando, FL.

College of Education and Health Professions 2010-2011 Annual Report

Page 60

Murry, Jr., J. W. (2010). *Is workplace speech of student affairs professionals protected in public colleges and universities?* Presentation at the National Association of Student Personnel Administrators Region IV-West Annual Conference, Omaha, NE.

Murry, Jr., J. W. (2010). *Understanding the impact of Garcetti v. Ceballos on academic freedom and the shared governance process in public community colleges*. Roundtable presentation at the Annual Meeting of the Council for the Study of Community Colleges, American Association of Community Colleges, Seattle, WA.

Murry, Jr., J. W., & Bonner, II., F. A. (2010). *Family matters: Facilitating the academic success of high achieving African American males in predominately white colleges and universities*. Roundtable presentation at the Association for the Study of Higher Education Annual Conference, Indianapolis, IN.

Murry, Jr., J. W., Bonner, II, F. A., Howard-Hamilton, M., Hill, F., & Gragg, D. (2010). *Gridiron and GPA: Academically gifted African American male student athletes in NCAA Division I-FBS institutions*. Symposium presentation at the Association for the Study of Higher Education Annual Conference, Indianapolis, IN.

Newgent, R. N., & Higgins, K. K., (2010). *Psychosocial educational groups for students (PEGS): An outcome-based program evaluation of the treatment efficacy and effectiveness of a school-based intervention program*. Research paper presentation at the Southern Association of Counselor Education and Supervision Regional Conference, Williamsburg, VA.

Newman, R. E., & Miles, J. (2010). *Staff involvement in athletic governance and college sport management*. Paper presented at the Eighth Annual National Society for Shared Governance Meeting, Cincinnati, OH.

Odell, E. (2010). *Permitted use of a 'crib sheet' during testing to improve study skills and decrease test anxiety*. Presentation at the 15<sup>th</sup> Annual Midwest Regional Nursing Educators Conference, Columbia, MO.

Odell, E. (2010). *Teaching quality improvement to the next generation of nurses: What hospitals can do to help*. Presented at the 15<sup>th</sup> Annual Midwest Regional Nursing Educators Conference, Columbia, MO.

Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T (2010). *Infusing mixed research into a college-level research methodology program*. Paper presented at the 6th Annual Mixed Methods International Conference, Baltimore, MD.

Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (2011). *A qualitative data collection framework for conducting literature reviews/research synthesis*. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA.

Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (2011). *A mixed research study of mixed research courses: Experiences and perceptions of instructors*. Paper presented at

College of Education and Health Professions 2010-2011 Annual Report

Page 61

the Annual Meeting of the Eastern Educational Research Association, Sarasota, FL.

Onwuegbuzie, A. J., Leech, N. L., Bustamante, R. M., Collins, K. M. T., & Combs, J. P. (2011). *Qualitative analysis techniques for the review of the literature*. Paper presented at the Annual Meeting of the Southwest Educational Research Association, New Orleans, LA.

Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (2011). *A mixed research study of mixed research courses: Experiences and perceptions of instructors*. Paper presented at the Annual Meeting of the Southwest Educational Research Association, San Antonio, TX.

Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (2011). *A qualitative data collection framework for conducting literature reviews*. Paper presented at the Annual Meeting of the Southwest Educational Research Association, San Antonio, TX.

Pijanowski, J. C. (2010). *Teaching and enforcing ethics for educators*. Paper presented at the Annual University Council for Educational Administration Conference in New Orleans, LA.

Pijanowski, J. C., & Brady, K. (2010). *Factors influencing mid-year district budgetary cuts in a national economic crisis: Evidence from California's public school districts*. Paper presented at the Annual Meeting of the American Educational Research Association in Denver, CO.

Pijanowski, J. C., & Brady, K. (2010). *Factors influencing mid-year district budgetary cuts in a national economic crisis: Evidence from California's public school districts*. Paper presented at the Annual Meeting of the American Educational Research Association in Denver, CO.

Pongsophon, P., & McComas, W. F. (2011). *Impact of a pure vs. applied science immersion experience on preservice teachers' views of NOS*. Annual Meeting of the National Association for Research in Science Teaching, Orlando, FL.

Powers, M., Lake, T., Tecmire, M., Bounds, E., & Gray, M. (2010). Impact of high-intensity resistance training on body composition of elders. *The Gerontologist*, 50, 479.

Powers, M., & Gray, M. (2010, October). *Undergraduate student and scholar: Incorporating scholarship into your classroom*. Presentation at the Oklahoma Alliance for Health, Physical Education, Recreation, and Dance, Norman, OK.

Range, B., Dougan, K., & Pijanowski, J. C. (2011). *Rethinking grade retention and academic redshirting: Helping school administrators make sense of what works*. Presentation at the National Association of Elementary School Principals Conference, Tampa, FL.

Roling, K., Oliver, G., Dittmore, S. W., & Moiseichik, M. (2011). *Gluteus medius to adductor muscle activation ratio: Effects on dynamic knee valgus*. Presentation at the World Federation of Athletic Training and Therapy World Congress, Banff, Alberta, Canada.

Schaefer, B., & Dittmore, S.W. (2011). *An exploratory study looking at the impact of increase seat license fees for college football tickets on donor motivation*. Presentation at the College Sport Research Institute's Scholarly Conference on College Sport, Chapel Hill, NC.



Sewell, W. C., Goering, C. Z., Landau, B., & Denton, S. (2010). *Media literacy education: Anchoring instruction and assessment through music and movies*. Paper presented at the Annual Convention of the National Council of Teachers of English, Philadelphia, PA.

Shadden, B., DiBrezzo, R., Henry, L. J., & Fort, I. (2010). *Partnerships with CNAs: Supporting communication in long-term care*. Presentation at the American Speech and Hearing Association, Annual Conference, Philadelphia, PA.

Shadden, B. B., Henry, L. J., DiBrezzo, R., Fort, I., & Hornaday, K. (2010). *Making CNAs partners in supporting communication in long term care*. Presentation at the American Speech and Hearing Association, Annual Conference, Philadelphia, PA.

Siegel, M. A., Sinha, S., Menon, D., Wissehr, C., Promyod, N., & Halverson, K. (2011). *Assessment for English language learners: How scaffolding helps*. Poster presentation for the National Association for Research in Science Teaching, Orlando, FL.

Smith-Nix, A. (2011). H.R. 1469 Child protections improvements act of 2010: *Did it close the gaps or tie a noose on volunteer coaches?* Presentation at the Sport and Recreation Law Association National Meeting, Savannah, GA.

Smith-Nix, A. (2011). *Who's protecting the cookie jar? A guide to fiduciary responsibility*. Presentation at the American Alliance for Health, Physical Education, Recreation and Dance, National Meeting, San Diego, CA.

Stegman, C. E., & Olmstead, G. (2010). *Assessing the impact of Arkansas' 2008-2009 MSP projects on teacher content knowledge*. Paper presented at the National Meeting of the USDOE Mathematics and Science Project, San Diego, CA.

Stewart, G., Stegman, C. E., Joenks, P., & Standridge, G. (2010). *College ready: Lessons learned in year one*. Paper presented at the National Meeting of the National Science Foundation Mathematics and Science, Washington, DC.

Stewart, G., Stegman, C. E., Joenks, P., & Standridge, G. (2010). *College ready partnership in mathematics and physics*. Presented at the national meeting of the National Science Foundation Mathematics and Science, Washington, DC.

Sutcliffe, R., Turner, R. C., & Dunn, K. E. (2010, May). *Predicting online course performance using type of discussion board postings and online course hits*. Paper presented at Annual Meeting of the American Educational Research Association, Denver, CO.

Sweeney, S., & McComas, W. F. (2011). *Early elementary teachers' beliefs about the nature of science*. Annual Meeting of the Association for Science Teacher Education, Minneapolis, MN

Thompson, C., & Thompson, D. (2011). *Attitudes of Career and Technical Educators toward Diversity in the Classroom*. Research paper presented at the Hawaii International Conference on Education, Honolulu, HI.

Thompson, S., Yemma, M., & Dere, S. (2011, April). *Going pro in something other than sports*. Symposium conducted at the National Intramural and Recreational Sports Association National Conference in New Orleans, LA and Hartford, CT.

Toner, M. A. (2010). *Regaining speech functions with palatopharyngeal laryngeal myoclonus following locked-in syndrome*. Paper presented at ASHA National Convention, Philadelphia, PA.

Unruh, N., Batista, P. & Smith-Nix, A. (2011). *National research study on emergency action plans at high school athletic practices and competitions*. Presentation at the Sport and Recreation Law Association National Meeting, Savannah, GA.

Walker, R., & Wissehr, C. (2011). *A comparison of preservice early childhood teachers' confidence to teach science before and after a specialized science methods course*. Presentation at the Association of Science Teacher Educators Annual Conference, Minneapolis, MN.

Ware, M. E., Turner, R. C., Calleja, P., Keiffer, E., Tidwell, W., Durr, T., Dake, T., Hobson, A., & Salamo, G. J. (2011). *Incorporating university technologies into the K-12 classroom K-12, I do science (kids): The university of Arkansas gk-12 program*. Poster presented at the National Science Foundation GK-12 Annual Project Meeting, Washington, DC.

White, E., Gates, E., Martin, D. C., Sanders, C. J., & Dittmore, S. W. (2011). *Predicting career patterns for becoming an NCAA Division I FBS athletic director: Revisiting the –normative sequence*. Presentation at the College Sport Research Institute's Scholarly Conference on College Sport, Chapel Hill, NC.

Williams, B. L., & Holt, C. R. (2010). *The influences on student performance in two high-poverty rural Kansas schools: A case study concerning teachers' behaviors and Perceptions*. Paper presented at the National Conference of Professors of Educational Administration, Washington, DC.

Williams, B. (2010). *Innovations in assistive technology: How to make the best choices*. Paper presented at the Annual Arkansas Rehabilitation Association Spring Training Conference, Hot Springs, AR.

Williams, B., & Ludlow, W. (2010). *Understanding the WAIS IV: implementing play therapy techniques based on the newest Wechsler scale*. Paper presented at the International Play Therapist Association 17th Annual Conference, Dallas, TX.

Wissehr, C. (2010). *Preservice elementary teachers' understanding of fossilization: Identifying misconceptions as barriers to instruction*. Paper presented at the annual meeting of the Geological Society of America, Branson, MO.

Wissehr, C. (2010). *Let's build an outdoor classroom!* Paper presented at the regional conference of the National Science Teachers' Association, Kansas City, MO.

Zepeda, S. J., Bengtson, E., & Parylo, O. (2010). *Examining the planning and management of principal succession in four Georgia school systems*. Paper presented at the Annual Meeting of the University Council for Educational Administration, New Orleans, LA.

Zepeda, S. J., Parylo, O., & Bengtson, E. (2011). *Analyzing principal professional developing practices through the lens of adult learning theory*. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA.

Cannizzo, J., Alfrey, A., Tecmire, M., House, P., Garver, K., Key, C., Adams, L., Cody, K., Gray, M., & Powers, M. (2011). Relationship between peak power and body composition in older adults. *Medicine and Science in Sports and Exercise*, 43(5), S652.

Garver, K., Key, C., Adams, L., Cody, K., Cannizzo, J., Alfrey, A., Tecmire, M., Sawyer, R., Powers, M., & Gray, M. (2011, June). *The relationships between functional fitness levels, mood, and depression in senior adults*. *Medicine and Science in Sports and Exercise*, 43(5).

Gray, M., Glave, A. P., Applegate, D., Powers, M., & DiBrezza, R. (2011, June). *Incidence of sarcopenia among premenopausal women*. *Medicine and Science in Sports and Exercise*, 43(5).

## **Other Creative Endeavors**

Bowles, F. (2010). Human Resources Diversity Program, Cherokee Heritage Day. Two presenters from the Cherokee Nation discussed culture and traditions of the Cherokee people.

Bowles, F. (2010). Spanish Language Poetry Slam, held at Rogers High School included 47 students participated in the first Northwest Arkansas High School Poetry Slam as part of an Arkansas Humanities Grant.

Bowles, F. (2011). She held a Kappa Delta Pi Grant Writing Workshop, and as faculty advisor, assisted with organizing a presentation for KDP members and guests on grant writing strategies. They also collected items to donate to the Salvation Army.

Bowles, F. (2011). Spanish for Educators, June 10-11, Jones Center. This workshop was a collaborative effort with an instructor from the World Language department to help in-service teachers with useful Spanish scenarios to assist with their ESL students.

Carter, V., & Daugherty, M. (2010-2011). They are working with the Southern Regional Education Board and the Arkansas Department of Career Education to develop the 4-year Futures in Technology and Science curriculum.

Costrell, R. M. (2011). Organizer, "Issues in Transition to Pension Reform," Conference, University of Arkansas Department of Education Reform.

Costrell, R. M., & Podgursky, M. (2011). A modest proposal for pension reform. *The Education Gadfly*, Thomas B. Fordham Institute.

Costrell, R. M., & Podgursky, M. (2011, March). A modest proposal for pension reform. *Education Next*.

Costrell, R. M. (2011, February 25). Oh, to be a teacher in Wisconsin. *Wall Street Journal*.

Costrell, R. M. (2010). Guest co-editor (with Michael Podgursky) of special issue (refereed) of *Education Finance and Policy*, MIT Press, "Rethinking Teacher Retirement Benefit Systems," Fall 2010 (Vol. 5, no. 4)

Costrell, R. M. (2010-2011). Subcontract with Fordham Institute for Joyce Foundation-funded project on Fiscal Impact of Teacher Pensions on Selected School Districts, 2010-11.

Costrell, R. M. (2011). Teacher Pension Reform in Wisconsin. MacIver Institute for Public Policy. WI.

Deggs, D. (2010). *Navigating the maze: Securing external funding for civic engagement programs*. Workshop facilitated for Tennessee Campus Compact at Lipscomb University, Nashville, TN.

Goering, C. (Fall 2010). He performed an original composition, "Esperanza," on the KUAF program Ozarks at Large, local affiliate of National Public Radio.

Greene, J. P., & Buck, S. (2010, November 9). Small gains add up. *New York Post*.

Greene, J. P., Kisida, B., & Mills, J. N. (2010, September 5). The higher price for higher ed. *Austin American Statesman*.

Greene, J. P., Kisida, B., & Mills, J. N. (2010, August 25). Colleges feeding administrative bloat. *Atlanta Journal-Constitution*.

Greene, J. P., Kisida, B., & Mills, J. N. (2010, August 25). Indiana universities suffer from administrative bloat. *Indianapolis Star*.

Greene, J. P., Kisida, B., & Mills, J. N. (2010, August 17). Colleges' bloated bureaucracy. *The Baltimore Sun*.

Lincoln, F. (2010-2011). She worked with visiting scholar Yu Lu. They collected data on alternative assessments in ESL and submitted an article for publication in Arkansas ATE.

Lucas, C. (2011). Collaborated with the Universidad de Paterno (Buenos Aires, Argentina) to have my work, American Higher Education, A History translated into Spanish as a two-volume set: La Education Superior Norte America, tomo 1 Orignes Y, Tome 2 Desarrollo y maduracion.

Lucas, C. (2010). Co-authored a work entitled International Students in American Colleges and Universities: A History, released in April of 2008, underwent a second printing in 2010.

Maranto, R. (2011, March 16). Six things we know about charter schools. *Portland Press Herald*.

Maranto, R. (2011, February 24). On teachers unions, the devil is in the details. *Milwaukee Journal Sentinel*. Retrieved April 28, 2011 from

Maranto, R. (2011, February 20). An entrepreneurial model of education. *Houston Chronicle*, B10. Retrieved on April 28, 2011 from [www.chron.com/disp/story.mpl/editorial/outlook/7437274](http://www.chron.com/disp/story.mpl/editorial/outlook/7437274)

Maranto, R. (2011). Charter schools for safety. *Charter School Monthly*, 8(6), 1-7.

Maranto, R. (2011, February 9). The future of education: Obama should channel Ike. *Philadelphia Daily News*, p. 17.

Maranto, R. (2010, December 2). A way out for troubled children. *Atlanta Journal-Constitution*, A27.

Maranto, R., & Wolf, P. J. (2010, December 1). Good government is a risky business. *Philadelphia Inquirer*. Retrieved on April 8, 2011 from [http://www.philly.com/inquirer/opinion/20101201\\_Good\\_government\\_is\\_a\\_risky\\_business.html](http://www.philly.com/inquirer/opinion/20101201_Good_government_is_a_risky_business.html)

Maranto, R. (2010, August 9). Put learning first: Standards outdated. *Arkansas Democrat-Gazette*, 7B.

Maranto, R. (2010, August 2). Immigrants in a changed nation. *Baltimore Sun*, August 2, p. 11; Retrieved on April 8, 2011 from [http://articles.baltimoresun.com/2010-08-02/news/bs-ed-immigrants-20100802\\_1\\_illegal-immigrants-test-scores-americans](http://articles.baltimoresun.com/2010-08-02/news/bs-ed-immigrants-20100802_1_illegal-immigrants-test-scores-americans)

Maranto, R., & McShane, M. (2010, July 9). Religion, gay rights can coexist. *Philadelphia Inquirer*, p. A15.

McComas, W. (2010). Contributed more than 40 photographs to covers of academic journals including one in 2010 *Whip Scorpion* for The American Biology Teacher.

McComas, W. (2010). Established an interactive website to report the results of the Arkansas Science Summit, a day-long meeting of science education experts from across Arkansas to science teaching. This site is live at (<http://arsciencedusummit.wikispaces.com/>).

Ritter, G. W. (2010). Arkansas Advisory Committee for the U.S. Commission on Civil Rights, two-year appointment.

Stotsky, S. (2010, December 8). Let's spread the blame for reading underachievement [Commentary]. *Education Week*, 30(14), pp. 24-25.

Stotsky, S. (2010, November 10). A choice, not 'approved.' [Invited commentary]. *New York Times*.

Stotsky, S. (2010, October 12). A fragmented English curriculum affects college readiness. [Invited blog]. *Core Knowledge*.

Stotsky, S. (2010, September 10). Deficiencies in public schools [Invited commentary, Room for Debate]. *New York Times*.

Stotsky, S. (2010, September 8). Boards of education that approve inquiry-based standards for K-12 standards need to do inquiry-based thinking themselves [Invited blog]. *JayPGreene.com*. Stotsky, S. (2010, July 21). Equalizing mediocrity [Invited commentary]. *New York Times*. Wissehr, C. (2010). She was invited to attend a conference that showcased projects funded through National Science Foundation EPSCOR grants.

# COLLEGE OF ENGINEERING

## **Books**

Ye, K. and **Jin, Sha**, (2011) *Directed Differentiation of Human Embryonic Stem and Patient-Specific Stem Cells into Lineage-Specific Cells for Regenerative Medicine*, Humana Press, USA ISBN 13: 9781617792663, ISBN 10: 1617792667.

Tung, S., **Kim, J.-W.** & R. Pooran. 2011. *Application of bacterial flagellar motors in microfluidic systems. In: CMOS Bio-Microsystems: Where Electronics Meets Biology*. K. Iniewski (ed). John Wiley & Sons, Inc.

List, G.R. and **J. W. King**, eds. Hydrogenation of Fats and Oils: Theory and Practice, 2d ed. Champaign, Ill.: AOCS Press, 2011.

Gollany, H.T., R.F. Follett, **Y. Liang**. 2011 *CQESTR Simulations of Soil Organic Carbon Dynamics. In: Managing Agricultural Greenhouse Gases. Eds: M.A. Liebig, R.F. Follett and A.J. Franzluebbers*. Elsevier Inc.

**Manasreh, O.**, “*Introduction to Nanomaterials and Devices*,” John Wiley, appeared in November 2011. (466 pages).

Luoni, S., J. Huber, K. **M. Matlock**. 2010. *Low Impact Development: a design manual for urban areas*. UA Press. UA Community Design Center, Fayetteville, AR. **ISBN: 978-0-9799706-1-0**.

**Matlock, M.** and R. Morgan, 2011. *Ecological Engineering Design: Restoring and Conserving Ecosystem Services*. John Wiley and Sons, NY, NY. 410 pgs. March 2011. **ISBN-10: 0470345144**  
**ISBN-13: 978-0470345146**

Popp, J., M. Jahn, N. Kemper, and **M. Matlock**, Eds. 2012. *The Role of Biotechnology in Feeding 9.25 Billion People*. Cambridge University Press, Cambridge, MA. Feb. 2012.

**Varadan, V. K.**, P. S. Kumar, *Wearable nanosensor architecture with smart phone for cardiac monitoring*, Global Scientific Publishing, 2011.

**Varadan, V.K.** (Editor), *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE Publishing, Bellingham, Washington, 2011.

Gardner, J., **V. K. Varadan** and O. Awadelkarim, *Microsensors, MEMS and Smart Devices*, (in Korean), John Wiley, 2011.

**Ye, K.** and Sha Jin (2011) *Human Embryonic and Induced Pluripotent Stem Cells*, Springer, Humana Press, New York, USA, ISBN 978-1-61779-266-3

## **Book Chapters**

**Bajwa, S. G.** and S. S. Kulkarni. 2011. A Hyperspectral Data Mining. @ *In. Hyperspectral Remote Sensing of Vegetation*, P.S. Thenkabail, J. G. Lyon and A. Huete (Eds). ISBN 978-1-4398453-7-0, CRC Press.

**Buyurgan, N.**, S. Landry, and R. Philippe, “RFID Adoption in Healthcare and ROI Analysis.” *RFID Applications*, Alp Ustundag, Editor, Springer, 2011.

Ertem, A., **N. Buyurgan**, "Auction Design for Procurement Operations in Humanitarian Logistics." *Humanitarian and Relief Logistics: Research issues, case studies and future trends*, V. Zeimpekis, S. Ichoua, I. Minis, Editors, Springer, Accepted 2011.

**Buyurgan, N.**, B. C. Hardgrave, "RFID in Healthcare Industry." *Emerging Pervasive and Ubiquitous Aspects of Information Systems: Cross-Disciplinary Advancements*, Judith Symonds, Editor, IGI-Global Publishing, 2011.

**Dong, H.** and X. Qian. "Ab Initio Molecular Dynamics Investigation of Xylan Hydrolysis." Chap. 1 in *Computational Modeling in Lignocellulosic Biofuel Production*, edited by M. R. Nimlos and M.F. Crowley (Washington, D. C.: Oxford University Press, 2010), 1-15.

Veetil, J.V., **Jin, S.** and Ye, K. (2011) Chapter 5: A FRET-Based Nanosensors for Intracellular Glucose Monitoring in "Nanosensors: @ *Theory and Applications in Industry, Healthcare and Defense*", 169-181, ed. T.C. Lim, CRC Press, Florida, USA.

**King, J.W.** and G.R. List. "Hydrogenation Using Critical Fluids." Chap. 3 in *Hydrogenation of Fat and Oils: Theory and Practice*, edited by G.R. List and J.W. King, 2d. ed. (Champaign, Ill.: AOCS Press, 2011), 49-109.

**King, J.W.**, K. Srinivas, and D. Zhang. "Advances in Critical Fluid Processing." Chap. 3 in *Alternatives to Conventional Food Processing*, edited by A. Proctor (Cambridge: Royal Society of Chemistry, 2011), 93-144.

**Li, W.N.**, R. Bheemavaram, and X. Zhang, "Transitive Closure of Data Records: Application and Computation" in *Data Engineering: Mining, information and Intelligence*, ed. by Yupo Chan and John Talburt, Springer-Verlog 2010, pp39-74

**Milburn, A. B.**, "Operations research applications in home healthcare." *Handbook of Healthcare System Scheduling*, New York, R. Hall, Editor, 281-303, Springer, Accepted 2011.

Scala, N., J. Rajgopal and **K. L. Needy**, "An inventory criticality classification method for nuclear spare parts: A case study." *Decision Making Under Uncertainty in the Service Industry*, J. Faulin, A. Juan, S. Grasman & M. Fry, Editors, CRC/Taylor & Francis, Accepted 2011.

Tomasula, P. M. and **D. W. Nutter**. "Mitigation of Greenhouse Gas Emissions in the Production of Fluid Milk." In *Advances in Food and Nutrition Research*, 41-88. Academic Press, 2011.

**Pohl, E. A.**, "Chapter 8, Reliability Engineering." *Decision Making in Systems Engineering and Management*, G. Parnell, P. Driscoll, D. Henderson, Editors, 227-271, John Wiley & Sons, 2011.

**Pohl, E. A.**, H. Nachtmann, "Chapter 5, Life Cycle Costing." *Decision Making in Systems Engineering and Management*, G. Parnell, P. Driscoll, D. Henderson, Editors, 137-182, John Wiley & Sons, 2011.

Hill, R. R., **E. A. Pohl**, "Heuristics and Their Use in Military Modeling." *Encyclopedia of Operations research and Management Science*, J. Cochran, Editor, John Wiley & Sons, 2011.

**Rossetti, M. D.**, N. Buyurgan, and E. A. Pohl, "Chapter 10: Medical Supply Chain Logistics." *The Handbook of Healthcare System Scheduling: Delivering Care When and Where We Need it*, R. Hall, Editor, Springer, Accepted 2011.

**Rossetti, M. D.**, N. Buyurgan, and E. A. Pohl, "Medical Supply Logistics." *Handbook of Healthcare System Scheduling*, Randolph Hall, Editor, Springer, 2011.

**Saraswat, D.**, and N. Pai. 2011. Chapter 8: A Spatially distributed hydrologic modeling in Illinois River Drainage Area in Arkansas Using SWAT. @ 196-210. In *Soil Hydrology, Land Use, and Agriculture*, 196-210. M. Shukla, ed., Wallingford, Oxon OX10 8DE, UK: CAB International.

**Selvam, R.P.**, Hall, K. D., Subramani, V. J., and Murray, S. J., “Application of Nanoscience Modeling to Understand the Atomic Structure of C-S-H”, In *Nanotechnology in Civil Infrastructure*. Eds.: K. Gopalakrishnan, B. Birgisson, P. C. Taylor, and N. O. Attoh-Okine, Springer Inc: Germany, 2011

**Tung, S.**, J. W. Kim, and R. Pooran. “Application of Biological Flagellar Motors in Microfluidic System.” In *CMOS Biomicrosystems: Where Electronics Meet Biology*, 379-405, 2011.

**Varadan, V.V.**, “Professor Pao’s Influence on Research in Coupled Field Problems, Chirality and Acoustic and Electromagnetic Metamaterials and Their Applications”, Chapter 12, From *Waves in Complex Systems to Dynamics of Generalized Continua --Tributes to Professor Yih-Hsing Pao on his 80th Birthday*; World Scientific Publishing Company Pte Ltd., 2011.

**Wejinya U.** and K. Lai, “Nanomanipulation by Dielectrophoresis.” In *Introduction to Nanorobotic Manipulation and Assembly*, 59 – 88, Artech House, 2011.

**Zou, M.** “Effects of Micro- and Nanoscale Texturing on Surface Adhesion and Friction.” In *Micro- and Nanoscale Phenomena in Tribology*, 103-151. CRC Press, 2011.

### **Refereed Articles**

**Andrews, D.**, “Design Flows and Run Time Systems for Heterogeneous Multiprocessor Systems on Programmable Chips (MPSoPCs)”, *printed abstract in Proceedings of the International Conference on Engineering of Reconfigurable Systems and Algorithms*, Las Vegas, NV, July 18-21, 2011, pp. 253-254

Cartwright, E., S. Ma, **D. Andrews** and M. Huang, “Creating HW/SW Co-Designed MOSoPC’s from High Level Programming Models”, in *Proceedings of Workshop on Multiprocessor Systems on Programmable Chips (MPSoC 2011) as part of the 2011 International Conference on High Performance Computing & Simulation (HOCS 2011)*, Istanbul, Turkey, July 4-8, 2011, pp. 554-560

Agron, J., G. Allwein, W. Harrison, **D. Andrews**, “Bridging the Gap between HW/SW Co-Design and Formal Methods”, *2011 Symposium on Implementation and Application of Functional Programming Languages*, Lawrence, Kansas, Oct. 3-5, 2-11

**Ang, S. S.**, T. Evans, J. Zhou, K. Schirmer, H. Zhang, B. Rowden, J. Balda and A. Mantooth, "Packaging Issues for High-Voltage Power Electronic Modules," *Electrochemical Society (ECS) Transactions*, vol. 34, pp. 893-898, March 21, 2011, 2011.

Schirmer, C., B. Rowden, **S. S. Ang**, H. A. Mantooth and J. C. Balda, “Packaging and Modeling of SiC Power Modules,” *The Electrochemical Society Meeting Extended Abstract*, Boston (MA), May 2011.

**Ang, S. S.**, T. Evans, J. Zhou, K. Schirmer, H. Zhang, B. Rowden, J. C. Balda, and H. A. Mantooth, “Packaging issues for high-voltage power electronic modules,” *Electrochemical Society (ECS) Transactions* – CSTIC 2011, pp. 893-898, February 2011.

Hasan, J., **S. S. Ang**, “A high-efficiency Digitally Controlled RGB Driver for LED pixels,” *IEEE Transactions on Industry Applications*, vol. 47, no. 6, November/December 2011, pg. 2422-2429.

**Bajwa, S. G.**, D. S. Bajwa, G. Holt, T. Coffelt, and F. Nakayama. 2011. Properties of thermoplastic composites with cotton and guayule biomass residue as fiber fillers. *Industrial Crops and Product*. 33(3):747-755



Leh, M. D., **S. G. Bajwa**, and I. Chaubey. 2011. Impact of land use change on erosion risk: an integrated remote sensing, GIS and modeling methodology. *Land Degradation and Development (Online)*

Escobar, A., M. Saadeh, **J. C. Balda**, J. Bourne, Y. Feng, H. A. Mantooth, "A Methodology to Coordinate Solid-State Fault Current Limiters with Conventional Protective Devices," *IEEE PES Power Systems Conference & Exhibition, PSCE*, 6 pgs., Phoenix, Arizona, March 2011.

Barnes, A., S. Geurin, **J.C. Balda**, "Optimal Battery Chemistry, Capacity, Charge/Discharge Schedule, and Lifetime for Energy Storage under Time-of-Use Pricing", *IEEE-PES ISGT Europe 2011*, Manchester (UK), 5-7 December 2011.

Kumar, R. and **N. Banerjee**, "Multiobjective Network Topology Design", *Applied Soft Computing 2011*, Volume 11, Issue 8, December 2011, pages 5120-5128

**Banerjee, N.**, S. Rollins, and K. Moran, "Automating Energy Management in Green Homes", *Computer Communications Review*, August 2011 (award paper from Homenets 2011)

Soroush, H., **N. Banerjee**, M.D. Corner, B.N. Levine, B. Lynn, "A Retrospective Look at the UMASS Dome Mobile Testbed", *Mobile Computing and Communications Review*, March 2012

Kumar, P., S. Oh, **N. Banerjee**, V.K. Varadan, "A Wearable Remote Brain-Machine Interface Using Smartphones", *International Conference on Smart Materials, Structures, and Systems*, June 2012

Soroush, H., P. Gilbert, **N. Banerjee**, B.N. Levine, M.D. Corner, L. Cox, "Concurrent Wi-Fi for Mobile Users: Analysis and Measurements", *ACM CoNext 2011*, December 2011

**Banerjee, N.**, S. Rollins, K. Moran, "Automating Energy Management in Green Homes", *ACM Sigcomm Workshop on Home Networks (HomeNets)* August 2011

Soroush, H., P. Gilbert, **N. Banerjee**, M. Corner, B. Levine, L. Cox, "Spider: Improving Mobile Networking with Concurrent Wi-Fi Connections", in *Proceedings of the ACM Sigcomm 2011*, August 2011.

Thompson, B., **A. R. Bennett**, "Reducing length of stay for congestive heart failure patients." *Proceedings of the American Society for Engineering Management Conference (ASEM)*, Lubbock, TX, October 2011

**Bennett, A. R.**, A. E. Erera, "Dynamic periodic fixed appointment scheduling for home health." *IIE Transactions on Healthcare Systems Engineering*, Vol. 1 (2011): 6-19.

**Blackburn D.**, B. Buratti, and R. Ulrich. "A Bolometric Bond Albedo Map of Iapetus: Observations from *Cassini* VIMS and ISS and *Voyager* ISS." *Icarus* 212, no. 1 (2011): 329-38.

**Blake, P.**, J. Obermann, B. Harbin, and D.K. Roper. "Enhanced Nanoparticle Response from Coupled Dipole Excitation for Plasmon Sensors." *IEEE Sensors Journal* 11, no. 12 (2011): 3332-40.

Middendorf, L. and **C. Bobda**, "Prototyping and Evaluating Communication-Centric Multicore Systems", *Multiprocessor Systems on (Programmable) Chips on Multiprocessor Systems on (Programmable) Chips (MPSoC 2011)*, July 4-8, 2011, Istanbul, Turkey.

Middendorf, L. and **C. Bobda**, "Evaluating Expression Trees in Hardware", *ENGINEERING OF RECONFIGURABLE SYSTEMS AND ALGORITHMS (ERSA'11)* July 18 -- July 21, 2011, Monte Carlo Resort, Las Vegas, Nevada.

Middendorf, L., C. Haubelt, **C. Bobda**, “Optimizing The Costs Of Communication Infrastructure In Message-Based Multicore”, *ENGINEERING OF RECONFIGURABLE SYSTEMS AND ALGORITHMS (ERSA'11)* July 18 -- July 21, 2011, Monte Carlo Resort, Las Vegas, Nevada.

Zarezadeh, A and **C. Bobda**, “Probabilistic Framework for Person Tracking on Embedded Distributed Smart Cameras”, *International Conference on Distributed Smart Cameras (ICDSC)*, Ghent University, Belgium, August 22-25, 2011.

Zarezadeh, A. and **C. Bobda**, “Enabling Communication Infrastructure and Protocol on Embedded Distributed Smart Cameras”, *International Conference on Distributed Smart Cameras (ICDSC)*, Ghent University, Belgium, August 22-25, 2011.

Yonga, F., **C. Bobda**, J. Anders, and A. Benshair, “Adaptive Video Streaming”, in *Proceedings of the IASTED International Conference Signal and Image Processing (SIP 2011)* December 14 - 16, 2011 Dallas.

Zarezadeh, A., F. Mühlbauer, **C. Bobda**, M. Mefenza, and A. Benshair, “Reliable and Reconfigurable Hardware Platform for Smart Cameras”, in *Proceedings of the IASTED International Conference Signal and Image Processing (SIP 2011)* December 14 - 16, 2011 Dallas.

Cheng, K., C. Tanougast, **C. Bobda**, and A., “Dandache Peer-to-Peer Control Application for Reconfigurable Self-Organised System”, in *Proceedings of the IASTED International Conference Signal and Image Processing (SIP 2011)* December 14 - 16, 2011 Dallas.

Talla, N., **C. Bobda**, E. Tonyé, J. Fotsing, and A. Dipanda, “SAR Image Classification Combining Structural and Statistical Methods”, in *Proceedings of the IASTED International Conference Signal and Image Processing (SIP 2011)* December 14 - 16, 2011 Dallas, USA.

Dave, E.V., **Braham, A.F.**, Buttlar, W.G., Paulino, G.H., “Development of a Flattened Indirect Tension Test for Asphalt Concrete”. *Journal of Testing and Evaluation*, Vol. 39, No. 3, 2011.

**Buyurgan N.**, R. Rardin, R. Jayaraman, V. M. Varghese, and A. Burbano, “A Novel GS1 Data Standard Adoption Roadmap for Healthcare Providers.” *International Journal of Healthcare Information Systems and Informatics*, Vol. 6 No. 4 (2011): 41-58.

Ertem, M. A., **N. Buyurgan**, “An Auction-Based Framework for Procurement Operations in Disaster Relief.” *Journal of Humanitarian Logistics and Supply Chain Management*, Vol. 1 No. 2 (2011): 170-188.

Martin E, Cousins S, Talley S, West C, Clausen E and **Carrier DJ.** (2011). “The effect of pre-soaking coupled to pretreatment on the extraction of hemicellulosic sugars and flavonoids from switchgrass (*Panicum virgatum*, var. Alamo) leaves and stems.” *Transactions of ASABE* 54: 1953-1958.

Nesbitt E, P Thiers, J Gao, S. Shoemaker, M. Garcia-Perez, **J. Carrier**, J. Doran-Peterson, J. Morgan, G. Wang, P. Wensel and S. Chen (2011). “China’s vision for renewable energy: the status of bioenergy and bioproduct research and commercialization,” *Industrial Biotechnology* 7: 336-348.

Martin E, K. Bunnell, C. Lau, M. Pelkki, D. Patterson, E. Clausen, J. Smith and **D.J. Carrier** (2011). “Hot water and dilute acid pretreatment of high and low specific gravity *Populus deltoids* clones.” (2011). *Journal of Industrial Microbiology* 38:355-361.

**Cassady, C.R.**, “An Introduction to Probabilistic Methods in Reliability and Maintainability.” *Proceedings of the International Reliability and Maintainability Symposium (RAMS)*, Orlando, FL, January 2011.

Schluterman, H.A., K. Schneider and **C.R. Cassady**, "Evaluating Retention of Engineering Problem Solving Skills of First-Year Engineering Students." *Proceedings of the American Society for Engineering Education - Midwest Section Conference*, Russellville, AR, September 2011

Klingbeil, N.K., S.C. Molitor, B.W. Randolph, R.G. Brown, S.A. Olsen and **C.R. Cassady**, "The Wright State Model for Engineering Mathematics Education: Highlights from a CCLI Phase 3 Initiative." *Proceedings of the American Society for Engineering Education Annual Conference*, Vancouver, Canada, June 2011.

Tovia, F., R. M. Brooks, **C. R. Cassady** and M.D. Rossetti, "Modeling and Analysis of Service Parts Logistics Systems." *The International Journal of Operations Research*, Vol. 10 (2011): 60-81.

Townsley, J., **J. R. Chimka**, "A control chart for severity index to detect drought compares favorably to logistic regression." *Hydrology Research*, Vol. 42 No. 1 (2011): 1-9.

**Chimka, J. R.**, Q. Hong and L. Jetty, "A diversity monitor with known errors for process variability observed in categorical data." *International Journal of Performability Engineering*, Vol. 7 No. 4 (2011): 397-399.

**Chimka, J. R.**, J. Wu and Q. Hong, "On quality control standards to evaluate microarray studies." *International Journal of Quality Engineering and Technology*, Vol. 2 No. 1 (2011): 45-53.

Black, R., **J. R. Chimka**, "Re-estimating and remodeling general aviation activities." *International Journal of Applied Aviation Studies* Vol. 11 No. 1 (2011): 47-56.

Sandefur, H. N., M. D. Matlock, **T.A. Costello**. 2011. "Seasonal Productivity of a Periphytic Algal Community for Biofuel Feedstock Generation and Nutrient Treatment." *Ecological Engineering* 37:1476-1480.

Warren, A. J., J. L. Gattis, L. K. Duncan, **T. A. Costello**. 2011. "Analysis of Deceleration in Through Lane Before Right Turn." *J. Transp. Res. Board* 2223: 113-119.

Wong, I., Stokoe, II, K.H., **Cox, B.R.**, Yuan, J., Knudsen, K.L., Terra, F., Okubo, P., "Shear-Wave Velocity Characterization of the USGS Hawaiian Strong Motion Network on the Island of Hawaii and Development of a NEHRP Site Class Map," *Bulletin of the Seismological Society of America*, 101(5), 2252-2269.

Green, R.A., Wood, C.M., **Cox, B.R.**, Cubrinovski, M., Wotherspoon, L., Bradley, B., Algie, T., Allen, J., Bradshaw, A., and Rix, G., "Use of DCP and SASW Tests to Evaluate Liquefaction Potential: Predictions vs. Observations During the Recent New Zealand Earthquakes," *Seismological Research Letters*, 82(6), 927-938.

Green, R.A., Allen, J., Wotherspoon, L., Cubrinovski, M., Bradley, B., Bradshaw, A., **Cox, B.R.**, and Algie, T., "Performance of Levees (Stopbanks) During the 4 September 2010, Mw7.1 Darfield and 22 February 2011, Mw6.2 Christchurch, New Zealand Earthquakes", *Seismological Research Letters*, 82(6), 939-949.

**Cox, B.R.**, Bachhuber, J., Rathje, E., Wood, C.M., Dulberg, R., Kottke, A., Green, R.A., Olson, S., "Shear Wave Velocity- and Geology-based Seismic Microzonation of Port-au-Prince, Haiti," *Earthquake Spectra*, 27(S1), S67-S92.

Rathje, E.M., Bachhuber, J., Dulberg, R., **Cox, B.R.**, Kottke, A., Wood, C., Green, R.A., Olson, S., Wells, D., Rix, G., "Damage Patterns in Port-au-Prince from the 2010 Haiti Earthquake and their Relationship to Geologic Conditions," *Earthquake Spectra*, 27(S1), S117-S136.

Green, R.A., Olson, S.M., **Cox, B.R.**, Rix, G., Rathje, E., Bachhuber, J., French, J., Lasley, S., and Martin, N., “Geotechnical Aspects of Failures at Port-au-Prince Seaport during the January 12, 2010 Haiti Earthquake,” *Earthquake Spectra*, 27(S1), S43-S65.

Olson, S.M., Green, R.A., Lasley, S., Martin, N., **Cox, B.R.**, Rathje, E., Bachhuber, J., and French, J., “Documenting Liquefaction and Lateral Spreading Triggered by the 12 January 2010 Haiti Earthquake,” *Earthquake Spectra*, 27(S1), S93-S116.

Yong, A., Hough, S.E., **Cox, B.R.**, Rathje, E.M., Bachhuber, J., Dulberg, R., Hulslander, D., Christiansen, L., Abrams, M.J., “Seismic Zonation of Port-au-Prince Using Pixel- and Object-based Imaging Analysis Methods on ASTER gDEM,” *Journal of Photogrammetry and Remote Sensing*, 77(9), pp. 909-922.

**Cox, B.R.**, Beekman, A.N., “Intra-Method Variability in ReMi Dispersion and Vs Estimates at Shallow Bedrock Sites,” *Journal of Geotechnical and Geoenvironmental Engineering*, 137(4), pp. 354-362.

Wong, I., Stokoe, II, K.H., **Cox, B.R.**, Lin, Y-C., Menq, F-Y., “Shear-Wave Velocity Profiling of Strong Motion Sites that Recorded the 2001 Nisqually, Washington Earthquake,” *Earthquake Spectra*, 27(1), pp. 183-212.

Kim, J.-W, J.-H. Kim, and **R. Deaton**, “DNA-linked nanoparticle building blocks for programmable matter,” *Angewandte Chemie*, vol. 50, pp. 9185-9190, 2011

Lee, J.-H, S. H. Lee, W.-H. Chung, E. S. Lee, T. H. Park, **R. Deaton**, and B.-T. Zhang, “A DNA assembly model of sentence generation,” *Biosystems*, vol. 106, pp. 51-55, 2011

Lee, J., B. Lee, J. S. Kim, **R. Deaton**, and B. Zhang, “A molecular evolutionary algorithm for learning hypernetworks on simulated DNA computers,” in *Proceedings of 2011 IEEE Congress on Evolutionary Computation (CEC)*, pp. 2735-2742, IEEE, 2011. New Orleans

Fu, G., H. Alan Mantooth, and **J. Di**, “A New Topology for Fully Differential Amplifiers that Enhances Their Tolerance to External Disturbances,” *IEEE International Conference on ASIC (ASICON 2011)*, October 2011

Arthurs, A. and **J. Di**, “Comparative Study of Asynchronous Circuits Designed in Bulk CMOS and FD-SOI for Ultra-Low VDD Operation,” *IEEE Subthreshold Microelectronics Conference*, September 2011

Arthurs, A., P. Wyatt, and **J. Di**, “Modeling SOI MOSFETs under Subthreshold Operation and PV Variation,” *IEEE Subthreshold Microelectronics Conference*, September 2011

Arthurs, A., J. Roark, and **J. Di**, “Ultra-Low Voltage Digital Circuit Design: A Comparative Study,” *11th IEEE Faible Tension Faible Consommation (Low Voltage Low Power Conference)*, June 2012

Hollosi, B. and **J. Di**, “Adaptive Voltage Scaling and Parallelism in Delay-Insensitive Asynchronous Circuits for Ultra-Low Power,” *2012 Government Microcircuit Applications & Critical Technology Conference (GOMACTech)*, March 2012

Thian, R., L. Caley, A. Arthurs, B. Hollosi, and **J. Di**, “An Automated Design Flow Framework for Delay-Insensitive Asynchronous Circuits,” *2012 IEEE SoutheastCon*, March 2012.

**Du, H.** and X. Qian. “The Effects of Acetate Anion on Cellulose Dissolution and Reaction in Imidazolium Ionic Liquids.” *Carbohydrate Research* 346, no. 13 (2011): 1985-1990.

**Du, H.** and X. Qian. “Molecular Dynamics Simulations of PNIPAM-co-PEGMA Copolymer Hydrophilic to Hydrophilic Transition in NaCl solution.” *Journal of Polymer Science Part B: Polymer Physics* 49, no. 15 (2011): 1112-1122.

**Du, J.**, N. Lorenz, R. Beitle, and J. A. Hestekin. "Application of Wafer-Enhanced Electrodeionization in a Continuous Fermentation Process to Produce Butyric Acid with *Clostridium tyrobutyricum*." *Separation Science and Technology* 47, no. 1 (2011): 43-51.

**Dunn, Megan F.**, W. Roy Penney, and Edgar C. Clausen. "Bernoulli Balance Experiments Using a Venturi." Proceedings of the American Society for Engineering Education Midwest Section 2011 Annual Conference, Russellville, AR, September 28-30, 2011.

Khorrami, M., **S. El-Ghazaly**, S.-Q. Yu, H. Naseem, "Analytical modeling of THz wave propagation inside ungated two dimensional electron gas layers," *Microwave Symposium Digest (MTT)*, 2011 IEEE MTT-S International.

Khorrami, M., **S. El-Ghazaly**, S.-Q. Yu, Hameed Naseem, "Analytical modeling of THz wave propagation inside ungated two dimensional electron gas layers," *Microwave Symposium Digest (MTT)*, 2011 IEEE MTT-S International.

Sabbah, A., A. M. Hassan, and **M. El-Shenawee**, "Terahertz Waves for Imaging Explosive Materials using Tomography Methods," *Proceedings of the IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting*, Spokane, WA, USA, July 3-8, 2011.

Hajihashemi, M. R. and **M. El-Shenawee**, "Inverse Scattering Level Set Algorithm for Retrieving the Shape and Location of Multiple Targets," *Proceedings of the EuCAP 2011*, Rome, Italy, April 11-15, pp. 3979-3983, 2011.

Hajihashemi, M. R. and **M. El-Shenawee**, "Inverse scattering of three-dimensional PEC objects using the level-set method," *Progress In Electromagnetics Research*, vol. 116, 23-47, 2011.

Hassan, A. M. and **M. El-Shenawee**, "Modeling the Electrophysiological Activities of Breast Tumors with Different Morphologies," *Proceedings of the IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting*, Spokane, WA, USA, pp. 726-729, July 3-8, 2011.

Hassan, A. M. and **M. El-Shenawee**, "The Diffusion-Drift Algorithm for Modeling the Biopotential Signals of Breast Tumors," *NIH Cancer Detection and Diagnostics Technologies for Global Health*, NIH campus- Building 45, Bethesda, Maryland, USA, Aug. 22-23, 2011.

Hassan, A. M., M. R. Hajihashemi, and **M. El-Shenawee**, "Level Set Algorithm for the Shape Reconstruction in the Terahertz Band," *Proceedings of the IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting*, Spokane, WA, USA, July 3-8, 2011.

Hassan, A. M. and **M. El-Shenawee**, "Electromagnetic Techniques for Breast Cancer Detection," *IEEE Reviews in Biomedical Engineering*, vol. 4, pp. 103-118, 2011.

Hassan, A. M. and **M. El-Shenawee**, "Parallel Implementation of the Diffusion-Drift Algorithm for Modeling the Electrophysiological Activity of Breast Tumors," *Journal of Parallel and Distributed Computing*, vol. 71, no. 7, pp. 1011-1023, 2011.

**El-Shenawee, M.** and Ahmed Hassan, "How much is enough and can we image margins in breast cancer?," *The Proceedings of the 2011 Breast Cancer Challenge Conference*, Winthrop P. Rockefeller Cancer Institute, Big Cedar, MO, July 2011.

**El-Shenawee, M.**, "Electromagnetic Imaging for Breast Cancer Research," *Proceedings of the IEEE Radio and Wireless Symposium: BioWireless*, Phoenix, Arizona, USA, January 16-19, pp. 55-58, 2011. (keynote speaker)

**El-Shenawee, M.**, P. Blake, A. M. Hassan, and D. K. Roper, "Surface Plasmons of Finite Nanoring Arrays," *Proceedings of the IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting*, Spokane, WA, USA, pp. 1609-1612, July 3-8, 2011.

Pifer AD, DR Miskin, SL Cousins, and **Fairey, JL**, "Coupling asymmetric flow field-flow fractionation and fluorescence parallel factor analysis reveals stratification of dissolved organic matter in a drinking water reservoir", *Journal of Chromatography A*, 1218 (27), 4167-4178.

A. J. Warren, **J. L. Gattis**, L. K. Duncan, and T. A. Costello, "Analysis of Deceleration in Through Lane Before Right Turn," *Transportation Research Record* 2223, (2011): 113-119.

Baran, J. and **J. Gauch**, "Motion Tracking in Video Sequences using Watershed Regions and SURF Features," ACM Southeast Conference, Tuscaloosa, AL, March 2012

Skoch, W. and **J. Gauch**, "The Effects of Anisotropic Diffusion in Scale Invariant Feature Detection", *IEEE Int. Conf. on Signal and Image Processing Applications (ICSIPA)*, Kuala Lumpur, Nov. 2011, pp. 518-523

Chandramouli, A., **S. Gauch**, J. Eno, "A Cooperative Approach to Web Crawler URL Ordering," in *Human-Computer Systems Interaction, Backgrounds, and Applications 2*, Springer-Verlag, 2011

Eno, J., G. Stafford, **S. Gauch**, and C. Thompson, "Hybrid User and Location Models for a Virtual World," *20th Conference on User Modeling, Adaptation and Personalization*, Girona, Spain, July 11-15, 2011

Luong, H., T. Huynh, **S. Gauch**, L. Do, and K. Hoang, "Publication Venue Recommendation using Author Network's Publication History," *4th Asian Conference on Intelligent Information and Database Systems*, Lecture Notes in Computer Science, Springer Verlag Vol. 7198/2012, pp. 426-435, March 19-23, 2012, Kaohsiung, Taiwan.

Pan, Q., **Grimmelsman, K.**, Moon, F., and Aktan, E., "Mitigating Epistemic Uncertainty in Structural Identification: Case Study for a Long-Span Steel Arch Bridge", *J. Structural Engineering*, 137(1), pp: 1-13.

**Grzenia, D. L.**, S. R. Wickramasinghe, and D. J. Schell. "Fermentation of Reactive-Membrane-Extracted and Ammonium-Hydroxide-Conditioned Dilute-Acid-Pretreated Corn Stover." *Applied Biochemistry and Biotechnology* 166, no. 2 (2011): 470-478. <http://dx.doi.org/10.1007/s12010-011-9442-5>.

Brion, G., K.R. Brye, **B.E. Haggard**, C. West, and V. Brahana. 2011. Land-use effects on water quality of a first-order stream in the Ozark Highlands, Mid-Southern United States. *River Research and Applications* 27(6): 772-790

David, M.M., and **B.E. Haggard**. 2011. Development of regression-based models to predict fecal bacteria numbers at select sites within the Illinois River Watershed, Arkansas and Oklahoma, *USA. Water, Air and Soil Pollution* 215: 525-547

Drake, W.M., J.T. Scott, M.A. Evans-White, **B.E. Haggard**, A.N. Sharpley, and C.W. Rogers. 2011. Light and periphyton stoichiometry control biological phosphorus storage in nutrient-rich headwater streams. *Journal of Limnology* [Accepted]

Huffhines, B., K.R. Brye, **B.E. Haggard**, and R.A. Morgan. 2011. Net nutrient uptake in the White River, Northwest Arkansas, downstream of a municipal wastewater treatment plant. *Journal of Environmental Protection* 2: 255-270.

Rogers, C.W., A.N. Sharpley, **B.E. Haggard**, J.T. Scott, and B.M. Drake. 2011. Physicochemical characterization of sediment in northwest Arkansas streams. *Journal of Environmental Protection* 2:629-638.

Scott, J.T., **Haggard, B.E.**, Sharpley, A.N., and Romeis, J.J. 2011. Long-term phosphorus trends are correlated with changes in water quality monitoring and watershed management. *Journal of Environmental Quality* 40(4): 1249-1256.

Cotton, C. and **B. Haggard**. 2011. Factors that contribute to turbidity on the West Fork of the White River in Arkansas. Discovery – *The Student Journal of Dale Bumpers College of Agricultural, Food and Life Sciences* 12:3-13.

Li, Q.; Xiao, X.; **Hall, KD**, “Mechanistic–Empirical Pavement Design Guide”–Based Pavement Design Catalog for Low-Volume Roads in Arkansas”, *Transportation Research Record* 2203, TRB, The National Academies, Washington, DC, pp 169-177, 2011.

Floyd, R., Howland, M., and **Hale, W.**, “Evaluation of Strand Bond Equations for Prestressed Members Cast with Self-Consolidating Concrete.” *Engineering Structures*, Vol. 22, No. 10, (2011): 2879-2887.

John, E., Ruiz, E., Floyd, R., and **Hale, W.**, Transfer and Development Length and Prestress Losses in Ultra-High Performance Concrete. *Transportation Research Record, Journal of the Transportation Research Board*, No. 2251, (2011): 76-81.

Floyd, R., Staton, B., Do, N., Ruiz, E., and **W. Hale**, “Development Lengths for Prestressed Concrete Beams Cast with Self Consolidating Concrete Mixtures.” *PCI Journal*, Vol. 56 (2011): 36-52.

Becknell, K. and **Hale, W.**, “Effect of Slag Grade and Cement Source on the Properties of Concrete.” *International Journal of Concrete Structures and Materials*, Vol. 5, No. 2, (2011): 119 – 123.

**Hall, KD**; Wang, KCP; Xiao, X., “Calibration of the Mechanistic–Empirical Pavement Design Guide for Flexible Pavement Design in Arkansas”, *Transportation Research Record* 2226, TRB, The National Academies, Washington, DC, pp 135-141, 2011.

**Hestekin, C. N.**, J. S. Lin, L. Senderowicz, J. P. Jakupciak, C. O’Connell, A. Rademaker, and A. E. Barron. “Blinded Study Determination of High Sensitivity and Specificity Microchip Electrophoresis–SSCP/HA to Detect Mutations in the P53 Gene,” *Electrophoresis*, 32, no. 21 (2011): 2921-2929.

**Himstedt, H. H.**, K. M. Marshall, and S. R. Wickramasinghe. “ph-Responsive Nanofiltration Membranes by Surface Modification.” *Journal of Membrane Science* 366, no. 1-2 (2011): 373-381.

**Himstedt, H.**, Q. Yang, L. P. Dasi, X. Qian, S. R. Wickramasinghe, and M. Ulbricht. “Magnetically Activated Micromixers for Separation Membranes.” *Langmuir* 27, no. 9 (2011): 5574-5581.

**Huang, M.** and L. Men, “Improving the Performance of On-Board Cache for Flash-based Solid-State Drives,” in *Proceedings of the 7<sup>th</sup> IEEE International Conference on Networking, Architecture, and Storage (NAS 2012)*, Xiamen, China, June 28-30, 2012

Ma, S., **M. Huang**, E. Cartwright, and D. Andrews, “Scalable Memory Hierarchies for Embedded Manycore Systems,” in *Proceedings of the 8<sup>th</sup> International Symposium on Applied Reconfigurable Computing (ARC 2012)*, LNCS 7199, pp 151-162, Hong Kong, China, Mch 19-23, 2012

**Huang, M.**, K. Gaj, and T. El-Ghazawi, "New Hardware Architectures for Montgomery Modular Multiplication Algorithm," *IEEE Transactions on Computers*, vol. 60, no. 7, pp. 923-936, July 2011

Wang, L., **M. Huang**, and T. El-Ghazawi, "Towards Efficient GPU Sharing on Multicore Processors," in *Proceedings of The 2nd International Workshop on Performance Modeling, Benchmarking and Simulation of High Performance Computing Systems (PMBS11)* held as part of SC11, Seattle, US, Nov. 13, 2011

Zhou, L., **M. Huang**, and S.C. Smith, "High-Performance and Area-Efficient Hardware Design for Radix-2<sup>k</sup> Montgomery Multipliers," in *Proceedings of The 2011 International Conference on Computer Design (CDES'11)*, Las Vegas, USA, July 18-21, 2011

Wang, L., **M. Huang**, and T. El-Ghazawi, "Exploiting Concurrent Kernel Execution on Graphic Processing Units," in *Proceedings of The 2011 International Conference on High Performance Computing & Simulation (HPCS 2011)*, pp. 24-32, Istanbul, Turkey, July 4-8, 2011

**Jang, Gyoung-Gug** and D. Keith Roper. "Balancing Redox Activity Allows Spectrophotometric Detection Of Au(I) Using Tetramethylbenzidine Dihydrochloride." *Analytical Chemistry* 83, no. 5 (2011): 1836-42.

**Jin, S**, E. Ellis, J.V. Veetil, H Yao, and K Ye. (2011) Visualization of human immunodeficiency virus protease inhibition using a novel Förster resonance energy transfer molecular probe. *Biotechnol. Prog.* 27 (4), 1107-1114.

**Jin, S.**, J. V. Veetil, R. Garrett, K. Ye, (2011) Construction of a panel of glucose indicators by site-directed mutagenesis. *Biosensors and Bioelectronics*, 26, 3427-3431.

Zhu,Y., Z. Dong, U.C. Wejinya, **S. Jin.**, and K Ye, (2011) Determination of mechanical properties of soft tissue scaffolds by atomic force microscopy nanoindentation. *J. Biomechanics*. 44, 2356-2361.

Li, Y., C. S. Nam, B. Shadden, and **S.L. Johnson**, "A P300-Based Brain-Computer Interface: Effects of Interface Type and Screen Size." *International Journal of Human-Computer Interaction*, Vol. 27 (2011): 52-68.

**Kim, J.-W.**, J-H Kim, R. Deaton, DNA-linked nanoparticle building blocks for programmable matter. *Angewandte Chemie International Edition* **50**, 9185-9190 (2011) [*Impact Factor: 12.730*].

de la Zerda, A., **J.W. Kim**, E. I. Galanzha, S.S. Gambhir, V. P. Zharov, Advanced contrast nanoagents for photoacoustic molecular imaging, cytometry, blood test, and photothermal theranostics. *Contrast Media & Molecular Imaging* **6**, 346-369 (2011) [*Impact Factor: 4.02*].

Limayem, A., I. Hanning, Muthaiyan, A., K. Illegheems, **J. W. Kim**, P. G. Crandall, C. A. O'Bryan, S.C. Ricke, Alternative antimicrobial compounds to control potential *Lactobacillus* contaminants that occur in yeast-based fuel bioethanol fermentations. *Journal of Environmental Sciences* **46**, 709-714 (2011) [*Impact Factor: 1.513*].

**Kim, J.-W.**, J. H. Kim, R. Deaton, R. 2011. "Programmable DNA-Linked Nanoparticle Building Blocks to Self-Assemble Nanostructures with Arbitrary, Anisotropic Shapes in All Dimensions," in *DNA 17: Preliminary Proceedings of the 17<sup>th</sup> International Meeting on DNA Computing*, Pasadena, CA.

Baig, M. N., R. C. D. Santos, C. Zetzel, **J. King**, D. Pioch, and S. Bowra. "Evaluation and Modelling the Utility of SCCO<sub>2</sub> to Support Efficient Lipase Mediated Esterification." *Enzyme and Microbial Technology* 49, no. 4 (2011): 420-426.



**Lau, C. S., K. A. Bunnell, E. C. Clausen, G. J. Thoma, J. O. Lay, J. Gidden, and D. J. Carrier.** "Separation and Purification of Xylose Oligomers Using Centrifugal Partition Chromatography." *Journal of Industrial Microbiology and Biotechnology* 38, no. 2 (2011): 363-370.

**Li, W., D. Hayes, J. Baran, C. Porter, and T. Schweiger** "A Grid and Cloud Based System for Data Grouping Computation and Online Service" *International Journal of Grid and High Performance Computing*, 3(4), 39-52, October-December 2011

Huang, H., C. Ruan, J. Lin, M. Li, L. M. Cooney, W. F. Oliver, **Y. Li**, A. Wang. 2011. Magnetic nanoparticles based magnetophoresis for efficient separation of foodborne pathogens. *Transactions of the ASABE* 54(3): 1015-1024.

Jiang, X., R. Wang, Y. Wang, X. Su, Y. Ying, J. Wang and **Y. Li**. 2011. Evaluation of different micro/nanobeads used as amplifiers in a QCM immunosensor for more sensitive detection of *Escherichia coli* O157:H7. *Biosensors & Bioelectronics* 29:23-28.

Li, D., Y. Feng, L. Zhou, Z. Ye, J. Wang, Y. Ying, C. Ruan, R. Wang and **Y. Li**. 2011. Label-free capacitive immunosensor based on quartz crystal Au electrode for rapid and sensitive detection of *Escherichia coli* O157:H7. *Analytica Chimica Acta* 687(1):89-96.

Li, D., J. Wang, R. Wang, **Y. Li**, D. Abi-Ghanem, L. Berghman, B. Hargis and H Lu. 2011. A nanobeads amplified QCM immunosensor for the detection of avian influenza virus H5N1. *Biosensors & Bioelectronics* 26:4146-4154.

Li, M., L. Cooney, A. Pradhan, A. Mauromoustakos, P. Crandall, M. Slavik, and **Y. Li**. 2011. A predictive model for the inactivation of *Listeria innocua* in cooked poultry products during postpackage pasteurization. *Journal of Food Protection* 74(8): 1261-1267.

Li, M., A. Muthaiyan, C.A. Bryan, J.E. Gustafson, **Y. Li**, P.G. Crandall, and S.C. Ricke. 2011. Use of natural antimicrobials from a food safety perspective for control of *Staphylococcus aureus*. *Current Pharmaceutical Biotechnology* 12(8):1240-1254.

Wang, H., **Y. Li**, and M. Slavik. 2011. Rapid detection of *Listeria monocytogenes* in different food samples using magnetic nanobeads and quantum dots based fluorescent biosensor. *Biological Engineering Transactions* 4(4):183-194.

Wang, H., **Y. Li**, Andrew Wang, and M. Slavik. 2011. Quantum dot labeled fluorescence immunoassay for simultaneous detection of three pathogens in food samples. *Journal of Food Protection* 74(12):2039-2047.

Wang, R., J. Lin, Lassiter, K., J. Lum, B. Srinivasanm L. Lin, H. Lu, B. Hargis, W. Bottje, S. Tung, L. Berghman and **Y. Li**. 2011. Evaluation of a portable impedance biosensor for detection of avian influenza virus. *Journal of Virological Methods* 178:52-58.

Gollany, H. T., R. W. Rickman, **Y. Liang**, S. L. Albrecht, S. Machado, and S. Kang. 2011. Predicting agricultural management influence on long-term soil organic carbon dynamics: Implications for biofuel production. *Agronomy J.* 103:234-246.

**Loewer, Otto J.** 2011. Leadership and Sustainability in the Emerging Chaos: Understanding the Linkages among Technology, Economics and Societal Values. *The International Journal of Science in Society*. Volume 2, Number 3, p. 111-134. Common Ground Publishing LLC, Champaign, IL.

**Loewer, Otto J.** 2011 (Updated revision) Biological Engineering History. *Encyclopedia of Agricultural, Food and Biological Engineering* (Dennis Heldman, editor). Marcel Dekker, Inc. New York, NY.

Li L., M. Hong, M. Schmidt, M. Zhong, **A. Malshe**, B. Huis in't Veld, and V. Kovalenko. "Laser nano-manufacturing – State of the art and challenges." *CIRP Annals - Manufacturing Technology*, Vol. 60, No. 2 (2011), 735–755.

Jiang W. and **A. Malshe**. "A Novel cBN Composite Coating Design and Machine Testing: Turning, A Case Study," *Surface and Coatings Technology*, Vol. 206, No. 2-3 (2011), 273-279.

Kalita, P., **A. Malshe**, S. Arun Kumar, V. Yoganath, and T. Gurumurthy. "Study of Specific Energy and Friction Coefficient in Minimum Quantity Lubrication Grinding Using Oil- Based Nanolubricants." *Journal of Manufacturing Process*, Vol. 14, No. 2 (2011), 160-166.

John R., C. Thompson, **A. Malshe**, V. Dotsenko, J. Delmas, and D. Gupta. "Carbon Nanotube Based Polymer Adhesive as an Underfill for Superconductor Multichip Module Packaging." *IEEE Transactions of Applied Superconductivity*, Vol. 21, No. 3(2011), 900-903.

Wu, J., S. Lee, V. R. Reddy, **M. O. Manasreh**, B. D. Weaver, M. K. Yakes, C. S. Furrow, Vas. P. Kunets, M. Benamara, and G. J. Salamo, "Photoluminescence plasmonic enhancement in InAs quantum dots coupled to gold nanoparticles," *Materials Letters* 65, 3605-3608 (2011).

Kladko, V. P., A. V. Kuchuk, N. V. Safryuk, V. F. Machulin, P. M. Lytvyn, V. G. Raicheva, A. E. Belyaev, Yu. I. Mazur, E. A. DeCuir, Jr.; M. E. Ware, **M. O. Manasreh**, G. J. Salamo, "Influence of template type and buffer strain on structural properties of GaN multilayer quantum wells grown by PAMBE, an x-ray study," *Journal of Physics D* 44, 025403-8 (2011).

Mietze, C., E.A. DeCuir, Jr., **M.O. Manasreh**, K. Lischka, and D.J. As, "Intrasubband transitions in cubic AlN/GaN superlattices for detectors from near to far infrared," *Phys. Stat. Solid. (c)* 8, 1204–1207 (2011).

Han, D. Assalone, Z. Li, E. Ciocan, M. Lloyd, T. Moriarty, K. Emery, J. Wu, S. Lee, S. Mangham, R. Vanga, **M. O. Manasreh**, *37th IEEE Photovoltaic Specialist Conference*, June 19-24, 2011.

Xu, Z., G. Niu, L. Luo, J. D. Cressler, M. L. Alles, R. Reed, **H. A. Mantooth**, J. Holmes, P. W. Marshall, "Charge Collection and SEU in SiGe HBT Current Mode Logic Operating at Cryogenic Temperatures," *IEEE Trans. Nuclear Science*, vol. 57, issue 6, part 1, pp. 3206-3211, 2010. (not counted in 2010 faculty review due to late publication).

Fu, G., **H. A. Mantooth**, J. Di, "A 12-bit CMOS current steering D/A converter with a fully differential voltage output," *12th International Symposium on Quality Electronic Design (ISQED)*, pp. 1-7, March 2011.

Fu, G., **H. A. Mantooth**, J. Di, "A New Topology for Fully Differential Amplifiers that Enhances Their Tolerance to External Disturbances," *Proc. of IEEE 9th International Conference on ASIC*, 4pgs, Xiamen, China, Oct. 2011.

Geng, X., D. Ma, Z. Chen, F. Dai, J. D. Cressler, J. A. Yaeger, M. M. Mojarradi, **H. A. Mantooth**, B. J. Blalock, R. W. Berger, "High Speed Channel Resistive Sensor Interface with RHBD in 0.5  $\mu\text{m}$  SiGe BiCMOS for UWT from -180°C to 120°C," *IEEE BCTM 2011*, in review, 4 pgs., Oct. 2011.

Grekov, A., Z. Chen, R. Fu, J. L. Hudgins, **H. A. Mantooth**, D. C. Sheridan, J. Casady, and E. Santi, "Parameter extraction procedure for Vertical SiC Power JFET," *IEEE Trans. On Industry Applications*, vol. 47, no. 4, pp. 1862-1871, July-Aug. 2011.

Hollosi, B., J. Di, S. C. Smith, and **H. A. Mantooth**, "Delay-Insensitive Asynchronous Circuits for Operating under Extreme Temperatures," *Government Microcircuit Applications & Critical Technology Conference*, March 2011, pp. 407-410.

Luo, L., Z. Xu, G. Niu, P.S. Chakraborty, T. D. Peng Cheng, K. Moen, J. D. Cressler, M. Mudholkar, **H. A. Mantooth**, “Wide temperature range compact modeling of SiGe HBTs for space applications,” *IEEE 43rd Southeastern Symposium on System Theory (SSST)*, pp. 110-113, 2011.

**Mantooth, H. A.**, D. Sheridan, J. Casady, and E. Santi, “A Physics-Based Model for a SiC JFET Accounting for Electric-Field-Dependent Mobility,” *IEEE Trans. On Industry Applications*, vol. 47, no. 1, pp. 199-211, Jan.-Feb. 2011.

Mudholkar, M., M. Saadeh, **H. A. Mantooth**, “A datasheet driven power MOSFET model and parameter extraction procedure for 1200V, 20A SiC MOSFETs,” *European Conference on Power Electronics and Applications Conference*, 10 pages, Birmingham, England, UK, Aug. 29 – Sept. 1, 2011.

Platania, E., Z. Chen, F. Chimento, A. Raciti, A. Grekov, R. Fu, L. Lu, A. Raciti, J. L. Hudgins, **H. A. Mantooth**, D. Sheridan, J. Casady, and E. Santi, “A Physics-Based Model for a SiC JFET Accounting for Electric-Field-Dependent Mobility,” *IEEE Trans. On Industry Applications*, vol. 47, no. 1, pp. 199-211, Jan.-Feb. 2011.

Schirmer, K., B. Rowden, **H. A. Mantooth**, S. S. Ang, and J. C. Balda, “Packaging and modeling of SiC power modules,” *Proc. 220th Electrochemical Society Meeting – Symposium on GaN and SiC Power Technologies*, Boston, MA, Oct. 2011.

Valle-Mayorga, J., C. Gutshall, I. Escorcia, **H. A. Mantooth**, B. Reese, M. Schupbach, A. Lostetter, “High Temperature Silicon-on-Insulator Gate Driver for SiC-FET Power Modules,” *International Conference and Exhibition on High Temperature Electronics Network (HiTEN)*, 7 pgs., Oxford, England, July 18-20, 2011.

Chen, Z., A. Grekov, E. Santi, J. Hudgins, **H. A. Mantooth**, D. Sheridan, J. Casady, “Model for Power SiC Vertical JFET with Unified Description of Linear and Saturation Operating Regimes,” *IEEE Trans. On Industry Applications*, vol. 47, no. 4, pp. 1853-1861, July-Aug. 2011.

**Martin, E. M.**, K. A. Bunnell, C. S. Lau, M. H. Pelkki, D. W. Patterson, E. C. Clausen, J. A. Smith, and D. J. Carrier. “Hot Water and Dilute Acid Pretreatment from High and Low Specific Gravity Populus Deltoides Clones.” *Journal of Industrial Microbiology and Biotechnology* 38, no. 2 (2011): 355-361.

**Martin, E. M.**, S. L. Cousins, S. R. Talley, C. P. West, E. C. Clausen, and D. J. Carrier. “Effect of Presoaking on Extraction of Hemicellulosic Sugars and Flavonoids from Switchgrass (*Panicum virgatum*) Leaves and Stems.” *Transactions of the American Society of Agricultural and Biological Engineers*, 54, no. 5 (2011): 1953-1957.

Sandefur, H., **M. Matlock**, and T. Costello. 2011. Seasonal productivity of a periphytic algal community for biofuel feedstock generation and nutrient treatment. *Ecological Engineering*, 37(10): 1476-1480.

Ludwig, A., **M. D. Matlock**, B. Haggard, I. Chaubey. 2011. Periphyton nutrient limitation and maximum potential productivity in the Beaver Lake Basin, USA. *Journal of the American Water Resources Association*. In Print

**Matlock, M.** Investing in a Better Future. *Resource*, p. 28, September, 2011.

**McCann, R.A.**, R. Winkelman, D. Moody, “A battery system for distributed demand response in rural environments,” *Biennial International Conference on Electrical Energy Storage and Technologies (EESAT 2011)*, San Diego (CA), October 16-19, 2011.

**McCann, R.A.**, R. Winkelman, D. Moody, "Evaluation of battery-based distributed energy storage systems in rural applications," Proceedings of 44th Annual Frontiers of Power Conference, Stillwater (OK), October 24-25, 2011.

**McCann, R.A.**, K. Rahman, "Design research in cyber-physical systems through weak-bisimulation," Journal of Systemics, *Cybernetics and Informatics*, vol. 9, no. 7, pp. 58-62, December, 2011.

Mackey, K., **R.A. McCann**, R. Winkelman, "A pilot study of battery storage for implementing remand response with renewable energy," *National Rural Electric Cooperatives Annual Meeting – 2011 CRN Summit*, Cleveland (OH), July 19-20, 2011.

Pazour, J. A., **Meller, R. D.**, "An Analytical Model for A-Frame System Design." *IIE Transactions on Design & Manufacturing*, Vol. 43 (2011): 739-752.

Pohl, L. M., **R. D. Meller**, and K. R. Gue, "Turnover-Based Storage in New Unit-Load Warehouse Designs." *IIE Transactions on Design & Manufacturing*, Vol. 43 (2011): 703-720.

**Meller, R. D.**, K. P. Ellis, "An Investigation into the Physical Internet: Establishing the Logistics System Gain Potential." *Proceedings of the 2011 International Conference on Industrial Engineering and Systems Management*, Metz (France), May 2011

Pazour, J. A., **R. D. Meller**, "Applying a Throughput Stability-Condition Model to a Picking Machine." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

Evans, E., **H. Nachtmann**, and K. L. Needy, "A Look into the Engineering Economy Classroom." *Proceedings of the American Society for Engineering Education Annual Conference*, Vancouver, BC, June 2011

Tong, J., **H. Nachtmann**, "A Review of Risk Assessment Models for Inland Waterway Transportation." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

Smith, B. K., **H. Nachtmann**, and E. A. Pohl, "An Investigation of the Healthcare Supply Chain: Literature Review." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

Farrokhvar, L., **H. Nachtmann**, "Measuring the Feasibility of Inland Waterway Emergency Response." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

Blank, L., P. Borrowman, H. Carrasco, **H. Nachtmann**, and J. White, "Inclusion of Engineering Economy Concepts and Techniques in B.S. Engineering Curricula." *The Engineering Economist*, Vol. 56 (2011): 193-204.

Smith, B. K., **H. Nachtmann**, and E. A. Pohl, "Quality Measurement in the Healthcare Supply Chain." *Quality Management Journal*, Vol. 18, No. 4 (2011): 50-60.

**Nachtmann, H.**, E. A. Pohl, "The Inland Waterway Transportation Systems' Role in Response and Recovery." *Journal of Homeland Security*, online (2011).

Farrokhvar, L., **Nachtmann, H.**, and Pohl, E. A., "Catastrophes and Complex Systems: Transportation - "The Inland Waterway Transportation Systems' Role in Response and Recovery." *Journal of Homeland Security*, online (2011).

Shumate, S. D., M. K. Hafeezuddin, **H. A. Naseem**, D. A. Hutchings, "Microstructural Influence of Hydrogenated Amorphous Silicon on Polycrystalline Emitter Solar Cells Prepared by Top-down Aluminum Induced Crystallization," *Proc. of the 2011 IEEE PVSC*, Seattle, Washington, June 19-24, 2011.

Decrossas, E., M.A. EL Sabbagh, **Hameed Naseem**, V. Fouad Hanna and S.M. El-Ghazaly, "Effective Permittivity Extraction of Dielectric Nano-powder and Nano-composite Materials: Effects of Packing Densities and Mixture Compositions" in *Proceedings of the 41st European Microwave Conference*, Manchester, UK, October 10-13, 2011, pp. 956-959.

McReynolds, A., M. K. Cashion, and **K. L. Needy**, "LEED certification of public libraries – A comprehensive analysis." *Proceedings of the American Society for Engineering Management Conference (ASEM)*, Lubbock, TX, October 2011

McReynolds, A., M. K. Cashion, and **K. L. Needy**, "How U.S. public libraries pursue LEED certification: An empirical study." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

Elizandro, D., S. Elkins, **K. L. Needy** and B. Malone, "An information system for evaluating the effectiveness of STEM-based programs." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

Milani, F., **D. Nutter**, and G. Thoma. "Environmental Impacts of Dairy Processing and Products: A Review." *Journal of Dairy Science*, Vol. 94, No. 9 (2011), 4243–4254.

Tan, A. and **D. Nutter**. "CO<sub>2</sub>e Emissions from HVAC Equipment and Lifetime Operation for Common U.S. Building Types." *International Journal of Energy and Environment*, Vol. 2, No. 3 (2011), 415-426.

Ramanathan, N., **B. Panda**, and Y. Hu, "A Grouping Model for Prompt Agent Based Damage Assessment", in *Proceedings of 9th International Workshop on Security in Information Systems (WOSIS 2012)*, Wroclaw, Poland, June 28, 2012

Yaseen, Q. and **B. Panda**, "Mitigating Insider Threat without Limiting the Availability in Concurrent Undeclared Tasks", in *Proceedings of the Sixth IEEE International Conference on Software Security and Reliability (SERE 2012)*, Washington, D.C., June 20-22, 2012.

Li, W, **B. Panda**, and Q. Yaseen, "Malicious Users' Transactions: Tackling Insider Threat", In *Proceedings of the 27th IFIP International Information Security and Privacy Conference (SEC2012)*, Heraklion, Crete, Greece, June 4-6, 2012

Ragavan, H. and **B. Panda**, "Mitigation of Malicious Modifications by Insiders in Databases", In *Proceedings of the 7th International Conference on Information Systems Security (ICISS 2011)*, Kolkata, India, December 15-19, 2011, pp. 337-351

White, J. and **B. Panda**, "Automatic Mission-Critical Data Discovery Based On Content: Experimental Results", In *Proceedings of the 2011 International Conference on Security and Management (SAM'11)*, Las Vegas, NV, July 18-21, 2011 (7 pages).

**Pilgrim R.** and Ulrich R. "Numerical Modeling and Optimizatoin of Bundled Fiber Optic FTIR Probes for Spectroscopy of Small Targets." *Advances in Space Research* 49, no. 4 (2011): 621-28.  
<http://dx.doi.org/10.1016/j.asr.2011.11.017>.

Yeung, T., **E. A. Pohl**, "An Introduction to Optimization methods in Reliability and Maintainability." *Tutorial notes of the 57th Reliability and Maintainability Symposium*, Orlando, FL, January 2011.

Sharp, S., **E. A. Pohl**, “Effect of Shelf Life on Perishable Goods Supply Chain Cost.” *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011

**Pohl, E. A.**, C.R. Cassady, “Optimization in Reliability and Maintainability.” *Tutorial Notes in the Proceedings of the Applied Reliability Symposium*, San Diego, CA, June 2011

Hall, K., D. Xiao, **E. A. Pohl** and K. Wang, “Risk Analysis of Mechanistic-Empirical Pavement Design Methods.” *Proceedings of the International Conference on Transportation Engineering*, Chengdu, China, July 2011

**Potts, Thomas**, Jianjun Du, Michelle Paul, Peter May, Robert Beitle, and Jamie Hestekin. “The Production of Butanol from Jamaica Bay Macro Algae.” *Environmental Progress and Sustainable Energy* 31, no. 1 (2011): 29-36. doi 10.1002/ep.10606.

**Pryor, E.**, J. A. Kotarek, M. A. Moss, and C. N. Hestekin. “Monitoring Insulin Aggregation via Capillary Electrophoresis.” *International Journal of Molecular Sciences* 12, no. 12 (2011): 9369-9388.

**Qian, Xianghong**. “Mechanisms and Energetics for Acid Catalyzed 6-D-Glucose Conversion to 5-Hydroxymethylfurfural.” *Journal of Physical Chemistry A* 115, no. 42 (2011): 11740-48.

Schneider, K., **C. Rainwater** and E. A. Pohl, “Assessing Multi-Layered Social Networks Using Reliability Models.” *Proceedings of the International Reliability and Maintainability Symposium (RAMS)*, Orlando, FL, January 2011

Schneider, K., **C. Rainwater** and E. A. Pohl, “Investigating actor Importance in a Multi-State Social Network.” *Proceedings of the 2011 Industrial Engineering Research Conference*, Reno NV, May 2011

Schneider, K., **C. Rainwater** and E.A. Pohl, “Assessing multi-layered social Networks using reliability models,” *Proceedings of the International Reliability and Maintainability Symposium (RAMS)*, Orlando, FL, January 2011.

Lehlou N., **R. Rardin**, N. Buyurgan, R. Jayaraman, V. M. Varghese, A. Burbano, A. Hajiyeve, E. Rashidi, and P. Farrokhhvar, “A Levels, Readiness, and Impact Evaluation Model for GS1 Adoption in Healthcare.” *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

Jayaraman, R., **R. Rardin**, N. Buyurgan, V. M. Varghese, A. Burbano, J. Pazour, N. Lehlou, A. Hajiyeve, and D. Dixon, “Data Standards in Healthcare Supply Chain Operations.” *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

**Rardin, R.**, N. Buyurgan, E. A. Pohl, and A. R. Bennett, “Healthcare Systems Engineering Research and Education Leadership Workshop.” *Proceedings of the NSF Engineering Research and Innovation Conference*, Atlanta GA, January 2011.

Burbano, A., **R. Rardin**, and E. A. Pohl, “Exploring the Factors Affecting the Identification Standards Adoption Process in the US Healthcare Supply Chain.” *Proceedings of the 2011 PICMET Conference*, Portland, OR, July 2011.

Burbano, A., **R. Rardin** and E. A. Pohl, “Modeling Adoption of Identification Standards in U.S. Hospitals: A Systems Dynamics Approach.” *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

**Rardin, R.**, B. Saka, and M. Langer, “Adaptive intensity modulated radiation therapy planning optimization with changing tumor geometry and fraction size limits.” *NSF Engineering Research and Innovation Conference*, Atlanta GA, January 2011.

Burbano, A., **R. Rardin**, and E. A. Pohl, "Models for reducing the Risk of Critical Networked Infrastructures." *International Journal of Risk Assessment and Management*, Vol. 15, Nos. 2/3, 99-127, 2011.

Saka, B., **R. Rardin**, M. Langer, and D. Dink, "Adaptive intensity modulated radiation therapy planning optimization with changing tumor geometry and fraction size limits." *IEEE Transactions on Healthcare Systems Engineering*, Vol. 1 (2011): 247-263.

Dink, D., **R. Rardin**, M. Langer, B. Saka, S. Gumrukcu, J. Pekney, and G. Reklaitis, "IMRT Optimization with Both Fraction and Cumulative Constraints." *American Journal of Operations Research*, Vol. 1 (2011): 160-171.

Qu, X., **R. Rardin**, and J. Williams, "Single versus hybrid time horizons for open access scheduling." *Computers and Industrial Engineering*, Vol. 60 (2011): 56-65.

Tuncel, A., **R. Rardin**, M. Langer, and J.P. Richard, "Strong Valid Inequalities for Fluence Map Optimization under Dose-Volume Restrictions." *Annals of Operations Research*, (2011).

**Rivera-Valentin, Edgard G.**, David G. Blackburn, and Richard Ulrich. "Revisiting the Thermal Inertia of Iapetus: Clues to the Thickness of the Dark Material." *Icarus* 216, no. 1 (2011): 347-58.

**Rossetti, M. D.**, Y. Unlu, "Evaluating the robustness of lead time demand models." *International Journal of Production Economics*, Vol. 134 (2011): 159-176.

Varghese, V. M., **M. D. Rossetti**, "Comparing Intermittent Demand Forecasters and Effects of Temporal Demand Aggregation." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

Unlu, Y., **M. D. Rossetti**, "Evaluating Variance Reduction Techniques Within A Sample Average Approximation Method For A Constrained Inventory Policy Optimization Problem." *Proceedings of the Winter Simulation Conference*, Phoenix, AZ, December 2011

Unlu, Y., **M. D. Rossetti**, "Zero-Modified Distributions for Inventory Control under Intermittent Demand." *Proceedings of the 2011 Industrial Engineering Research Conference (IERC)*, Reno NV, May 2011.

**Rossetti, M. D.**, A. Achlerkar, "Evaluation of Segmentation Techniques for Inventory Management in Large Scale Multi-Item Inventory Systems." *International Journal of Logistics Systems Management*, Vol. 8 (2011): 403-424.

**Russell, A.**, M. McKnight, J. A. Hestekin, and D. K. Roper. "Thermodynamics of Optoplasmonic Heating in Fluid-Filled Gold-Nanoparticle-Plated Capillaries." *Langmuir* 27, no. 12 (2011): 7799-7805.

Pai, N., **D. Saraswat**, and R. Srinivasan 2011. Field\_SWAT: A Tool for Mapping SWAT Output to Field Boundaries. *Computers and Geosciences*, doi:10.1016/j.cageo.2011.07.006

Pai, N. and **D. Saraswat**. 2011. SWAT2009\_LUC: A Tool to Activate Land Use Change Module in SWAT 2009. *Trans ASABE* 54(5):1649-1658.

Pai, N., **D. Saraswat**, and M. Daniel. 2011. Identifying Priority Subwatersheds Using Distributed Modeling Approach. *Trans ASABE* 54(6):2181-2196.

**Spearot, D.**, A. Sudibjo, V. Ullal, and A. Huang. "Molecular Dynamics Simulations of Diffusion of O<sub>2</sub> and N<sub>2</sub> Penetrants in Polydimethylsiloxane-Based Nanocomposites." *Journal of Engineering Materials and Technology*, Vol. 134, No. 2 (2011), 021013-1-021013-8.

Zhou, L., and **S. C. Smith**, "Standby Power Reduction Techniques for Asynchronous Circuits with Indeterminate Standby States," *International Conference on Computer Design*, July 2011, pp. 10-16.

Zhou, L., M. Huang, and **S. C. Smith**, "High-Performance and Area-Efficient Hardware Design for Radix-2k Montgomery Multipliers," *International Conference on Computer Design*, July 2011, pp. 65-71.

Zhou, L. and **S. C. Smith**, "New Implementations of Quasi-Delay- Insensitive Asynchronous Pipelines," Elsevier's Integration, the VLSI Journal.

Zhou, L., R. Parameswaran, R. Thian, **S. C. Smith**, and J. Di, "MTNCL: An Ultra-Low Power Asynchronous Circuit Design Methodology," *Elsevier's Integration, the VLSI Journal*.

**Smith, S. C.**, and J. Di, "Integrating Asynchronous Digital Design into the Undergraduate Computer Engineering Curriculum Throughout the Nation," *NSF CCLI/ TUES PI Conference*, January 2011.

Collins W., D. Sanchez, Z. Sharp, **S. C. Smith**, and J. Wu, "Developing a remote digital wildlife camera triggered by spatially deployed Infrared Sensors," in *Proc. International Conference on Embedded Systems and Applications* (ESA'11), July 2011. pp 21-28.

Buchheit, T., L. Friedman, S. Medyanik, **D. Spearot**, and E. Webb. "Foreword: Modeling, Simulation, and Theory of Nanomechanical Materials Behavior." *Metallurgical and Materials Transactions A*, Vol. 42, No. 13 (2011), 3867.

Sudibjo, A. and **D. Spearot**. "Molecular Dynamics Simulations of Diffusion of Small Atmospheric Penetrates in Polydimethylsiloxane." *Molecular Simulation*, Vol. 37, No. 2 (2011), 115-122.

**Specking, E.** and E. C. Clausen. "Engineering Outreach: A Summer Program Approach." Proceedings of the American Society for Engineering Education Midwest Section 2011 Annual Conference, Russellville, AR, September 28-30, 2011.

**Srinivas, K.**, J. W. King, J. K. Monrad, L. R. Howard, and D. Zhang. "Pressurized Solvent Extraction of Flavonoids from Grape Pomace Utilizing Organic Acid Additives." *Italian Journal of Food Science* 23, no. 1(2011): 90-105.

del Valle, J. M., J. C. de la Fuente, **K. Srinivas**, and J. W. King. "Correlation for the Variations with Temperature of Solute Solubilities in High Temperature Water." *Fluid Phase Equilibria* 301, no. 2 (2011): 206-216.

**Srinivas, K.**, J. W. King, L. R., Howard, and J. K. Monrad. "Binary Diffusion Coefficients of Phenolic Compounds in Subcritical Water Using a Chromatographic Peak Broadening Technique." *Fluid Phase Equilibria* 301, no. 2 (2011): 234-243.

Hild, K., I.P. Marko, **S.J. Sweeney**, S.R. Johnson, S.-Q. Yu and Y.-H. Zhang, "Influence of de-tuning and non-radiative recombination on the temperature dependence of 1.3 $\mu$ m GaAsSb/GaAs Vertical Cavity Surface Emitting Lasers," *Appl. Phys. Lett.* 99, 071110 (2011).

de Boer, I., C. Cederberg, S. Eady, S. Gollnow, T. Kristensen, M. Macleod, M. Meul, T. Nemecek, L. Phong, **G. Thoma**, H. M. G. van der Werf, A. Williams, and M. Zonderland-Thomassen. "Greenhouse Gas Mitigation in Animal Production: Towards an Integrated Life Cycle Sustainability Assessment." *Current Opinion in Environmental Sustainability* 3, no. 5 (2011): 423-31.

Milà i Canals, Llorenç, Adisa Azapagic, Gabor Doka, Donna Jefferies, Henry King; Christopher Mutel, Thomas Nemecek, Anne Roches, Sarah Sim, Heinz Stichnothe, **Greg Thoma**, and Adrian Williams. "Approaches for Addressing Life Cycle Assessment Data Gaps for Bio-based Products." *Journal of Industrial Ecology* 15, no. 5 (2011): 707-25.



Eno, J, and **C. Thompson**, "Virtual and Real World Ontology Services," *IEEE Internet Computing*, vol. 15, no. 5, Sept./Oct. 2011, pp. 46-52

Alsaify, B.A., **D. R. Thompson**, and J. Di, "Identifying Passive UHF RFID Tags Using Signal Features at Different Tari Durations," *2012 IEEE International Conference on RFID*, April 2012

Periaswamy, S., **D. Thompson**, and J. Di, "Fingerprinting RFID Tags," *IEEE Transactions on Dependable and Secure Computing*, Vol. 8, No. 6, pp. 938-943, 2011.

Bartlow, Patrick, **Neha Tiwari**, Robert R. Beitle, and Mohammad M. Ataii. "Evaluation of *Escherichia coli* Proteins that Burden Nonaffinity-based Chromatography as a Potential Strategy for Improved Purification Performance." *Biotechnology Progress* 28, no. 1 (2011), 137-145.

Wang Z, D. Wang, N. Jiao, and **S. Tung**. "A Nanochannel System Fabricated by MEMSMicrofabrication and Atomic Force Microscopy." *IET Nanobiotechnology*, Vol. 5, No. 4 (2011), 108-113.

Wang, R., J. Lin, K. Lassiter, B. Srinivasan, L. Lin, H. Lu, **S. Tung**, B. Hargis., W. Bottje., L. Berghman, Y. Li, and J. Virol. "Evaluation of a Portable Impedance Biosensor for Detection of Avian Influenza Virus Methods." *Journal of Virological Methods*, Vol. 178, No. 1-2 (2011), 52-58.

Zhan, Z., Z. Dong and **S. Tung**. "Insulin Detection of Clinical Plasma Samples." *IEEE Nanotechnology*, Vol. 5, No. 3 (2011), 12-17.

Wang Z., N. Jiao, **S. Tung**, and Z. Dong. "Atomic Force Microscopy-Based Repeated Machining Theory for Nanochannels on Silicon Oxide Surfaces" *Applied Surface Science*, Vol. 257, No. 8 (2011), 3627-3631.

Zui, R., G. L. Huang, H. Yoon, C. S. Smith and **V. K. Varadan**, "Biomedical strain analysis at the interface of brain and nanowire electrodes on a neural probe," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 031001-1, 031001-6, 2011.

Xie, J., L. Chen and **V. K. Varadan**, "3D helical nanomaterials: synthesis, characterization and applications," *Nanoscience and Nanotechnology*, vol. 11, pp. 1-58, 2011.

Xie, J., L. Chen, **V. K. Varadan**, S. Chetan and M. Srivastan, "Magnetic nanotube influence the response of dorsal root ganglion neurons to alternating magnetic fields," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 031009-1, 031009-9, 2011.

Arash, B., Q. Wang and **V. K. Varadan**, "Carbon nanotube based sensors for detection of gas atoms," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 021010-1, 021010-4, 2011.

Chen, L., J. Xie, K. R. Aatre, J. Yancey, S. Chetan, M. Srivatsan and **V. K. Varadan**, "Synthesis of hematite and maghemite nanotube and study of their applications in neuroscience and drug delivery," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Oh, S., H. Kwon and **V. K. Varadan**, "Ubiquitous health monitoring system for diagnosis of sleep apnea with Zigbee network and wireless LAN," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 021008-1, 021008-8, 2011.

Oh, S., H. Kwon and **V. K. Varadan**, "Wireless remote monitoring system for sleep apnea," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Rai, P., P. S. Kumar, S. Oh, H. Kwon, G. N. Mathur and **V. K. Varadan**, "Printable low cost sensor systems for healthcare smart textiles," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Ruffin, P., C. L. Brantley, E. Eugene, R. J. Keith, W. Chew, L. C. Warren, P. R. Ashley, H. O. Everitt, E. Webster, J. V. Foreman, M. Sanghadas, S. H. Crutcher, M. G. Temmen, **V. K. Varadan**, D. Hayduke, P. C. Wu, C. G. Khoury, Y. Yang, T-H. Kim, T- Vo-Dinh, A. S. Brown, J. Callahan, "Nanotechnology research and development for military and industrial applications," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Smith, C. S., C. M. Bowie, K. D. Song, H. Yoon, **V. K. Varadan** and W-K. Kim, "Electrochemical investigation of nano-electrodes for biomedical sensing applications in the brain," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

**Varadan, V. K.**, P. Kumar, S. Oh, G. N. Mathur, P. Rai and L. Kegley, "e-bra with nanosensors, smart electronics and smart phone communication network for heart rate monitoring," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

**Varadan, V.K.**, "An EKG in your underwear," *Mechanical Engineering*, vol. 133, pp. 34-37, 2011.

**Varadan, V. K.**, P. Kumar, S. Oh, H. Kwon, P. Rai, N. Banerjee and R. Harbaugh, "e-nanoflux sensor system: smart phone-based roaming health monitor," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 011016-1, 011016-11, 2011.

**Varadan, V. K.**, P. Kumar, S. Oh. L. Kegley and P. Rai, "e-bra with nanosensors for real time cardiac health monitoring and smart phone communication," *Journal of Nanotechnology in Engineering and Medicine*, 1. pp. 021011-1, 021011-7, 2011.

Kumar, P.S., S. Oh, P. Rai, H. Kwon, N. Banerjee and **V. K. Varadan**, "Design and implementation of a Bluetooth-based band-air pulse rate sensor," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Kwon, H., S. Oh, P. Kumar and **V. K. Varadan**, "Design of electrocardiography measurement system with an algorithm to remove noise," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Lee, J., **V. K. Varadan**, "Synthesis and characterization of thiol-functionalized polymer as binder in conductive ink," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Wang, G., L. Chen, G. N. Mathur and **V. K. Varadan**, "Lithium vanadium oxides as cathode materials in lithium-ion batteries for soldier portable power systems", *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Lee. U., S. H. Choi, **V. K. Varadan**, K. D. Song, Y. Park, "Development of diagnosis and treatment technology for brain disease using quantum material and nano probe pin device," *Nanosensors, Biosensors and Info-Tech Sensors and Systems*, SPIE v.7980, 2011.

Ji, L. and **V. V. Varadan**, "Competing Effects of Field Localization and Absorption Enhancement using Plasmonic Nanostructures in Thin Film a-Si Solar Cells," *37Th IEEE PhotoVoltaic Specialists Conference (PVSC)*, June 2011. Also selected for oral presentation, only 25% of papers accepted at the PVSC are selected for oral presentation.

Ji, L. and **V. V. Varadan**, "Short Wavelength Absorption Loss due to Plasmonic Nanoparticles Top-coated on Thin Film Solar Cells," *37Th IEEE PhotoVoltaic Specialists Conference (PVSC)*, June 2011. (Poster Presentation).

Ji, L. and **V.V. Varadan**, "Fishnet Metastructure for Efficiency Enhancement of a Thin Film Solar Cell," *Journal of Applied Physics*, Volume 11, 043114, 2011.

Kim, I. and **V. V. Varadan**, "Flexible Isotropic Antenna using a Split Ring Resonator on a Thin Film Substrate," *IEEE Antennas & Propagation Society International Conference*, Spokane, WA, July, 2011.

Nam, W. J., L. Ji, **V. V. Varadan** and S.J. Fonash, "Designing Optical Path Length, Photonic, and Plasmonic Effects into Nanostructured Solar Cells," Invited Paper, *IEEE Nano 2011*; October, 2011.

Nam, W.J., L. Ji, N.D. Nguyen, **V. V. Varadan** and S.J. Fonash, "Light and Carrier Collection Management Cell Architectures: some Configuration Comparisons," *37th IEEE PhotoVoltaic Specialists Conference (PVSC)*, June 2011. (Poster Presentation).

Nam, W. J., L. Ji, T.L. Benanti, **V.V. Varadan**, S. Wagner, W. Nemeth, Q. Wang, D. Neidich and S.J. Fonash, "Exploration of Light and Carrier Collection Management in Nanostructured a-Si:H Solar Cells," *J. Appl. Phys. Letters*, Volume 99, 073113, 2011.

**Varadan, V. V.**, H. Huang, I. Kim and S. Weiss, "SRR-Loaded Small Dipole Antenna with Electromagnetic Bandgap Ground Plane," *IEEE Antennas & Propagation Society International Conference*, Spokane, WA, July, 2011.

Wang, H. and **V. V. Varadan**, "Low Profile Wideband Hybrid Dielectric Resonator and Split Ring Resonator Antenna", *IEEE Antennas & Propagation Society International Conference*, Spokane, WA, July, 2011.

**Wang, KCP**; Li, Q; Hall, KD; Nguyen, V.; Xiao, X., "Development of Truck Loading Groups for the Mechanistic-Empirical Pavement Design Guide", *Journal of Transportation Engineering*, Vol. 137, No. 12, ASCE, Arlington, VA, pp. 855-862, 2011.

Bhut, B. V., **J. Weaver**, A. R. Carter, S. R. Wickramasinghe, and S. M. Husson. "The Role of Polymer Nanolayer Architecture on the Separation Performance of Anion-Exchange Membrane Adsorbers: I. Protein Separations." *Biotechnology and Bioengineering* 108, no. 11 (2011): 2645-2653.

Bhut, B. V., **J. Weaver**, A. R. Carter, S. R. Wickramasinghe, and S. M. Husson. "The Role of Polymer Nanolayer Architecture on the Separation Performance of Anion-Exchange Membrane Adsorbers: Part II. DNA and Virus Separations." *Biotechnology and Bioengineering* 108, no. 11 (2011): 2654-2660.

Zhang Y., L. Liu, N. Xi, Y. Wang, Z. Dong and **U. Wejinya**. "Dielectrophoretic Assembly and AFM Modification of Reduced Graphene Oxide." *Journal of Applied Physics*, Vol. 110, No. 11 (2011) 114515-1-114515-6.

Dong Z. and **U. Wejinya**. "Characterization of Vertically Aligned Carbon Nanofibers without Electrochemical Treatment Using Atomic Force Microscopy." *IEEE Transactions on Nanotechnology*, Vol. 10, No. 3 (2011), 639 – 646.

Zhu Y., Z. Dong, **U. Wejinya**, S. Jin and K. Ye. "Determination of Mechanical Properties of Soft Tissue Scaffolds by Atomic Force Microscopy Nanoindentation." *Journal of Biomechanics*, Vol. 44, No. 13 (2011), 2356 – 2361.

**White, Kristopher**, Nikki Lorenz; Tom Potts; W. Roy Penney, Robert Babcock, Amber Hardison, Elizabeth Canuel, and Jamie Hestekin. "Production of Biodiesel Fuel from Tall Oil Fatty Acids via High Temperature Methanol Reaction." *Fuel* 90, no. 11 (2011), 3193-3199.

Wandera, D., **S. R. Wickramasinghe**, and S. M. Husson. "Modification and Characterization of Ultrafiltration Membranes for Treatment of Produced Water." *Journal of Membrane Science* 373, no. 1-2 (2011): 178-188.

Marroquin, M., T. Bruce, J. Pellegrino, **S. R. Wickramasinghe**, and S. M. Husson. "Characterization of Asymmetry in Microporous Membranes by Cross-Sectional Confocal Laser Scanning Microscopy." *Journal of Membrane Science* 379, no. 1-2 (2011): 504-515.

**Woods, L.**, M. Riccobono, N. Mehan, J. Hestekin, and R. Beitle. "Synergistic Effect of Abrasive and Sonication for Release of Carbohydrate and Protein from Algae." *Separation Science and Technology* 46, no. 4 (2011): 601-604.

Zhu, Y., Z. Dong, U.C. Weijinya, S. Jin, **K. Ye**, (2011) Determination of mechanical properties of soft tissue scaffolds by atomic force microscopy indentation. *J. Biomechanics*, 44, 2356-2361

Jin, S. E. Ellis, J. V. Veetil, H. Yao, **K. Ye**, (2011) Visualization of HIV Protease Inhibition Using a Novel FRET Molecular Probe, *Biotechnol. Prog.* 27, 1107-1114

Jin, S., J. Veetil, R. Garrett, **K Ye**, (2011) Construction of a panel of glucose indicator proteins for continuous glucose monitoring. *Biosensors and Bioelectronics*. 26, 3427-3431.

Mazur, Yu. I., V. G. Dorogan, M. Schmidbauer, G. G. Tarasov, S. R. Johnson, X. Lu, **S.-Q. Yu**, Zh. M. Wang, T. Tiedje, and G. J. Salamo, "Optical evidence of quantum well channel in low-temperature molecular beam epitaxy grown Ga(AsBi)/GaAs nanostructures," *Nanotechnology* 22 (2011) 375703.

Ding, D., S. R. Johnson, **S.-Q. Yu**, S.-N. Wu, and Y.-H. Zhang, "A Semi-Analytical Model for Semiconductor Solar Cells," *J. Appl. Phys.*, 110, 123104 (2011).

Fan, D., **S.-Q. Yu**, Z.M. Wang, S.R. Johnson and G. J. Salamo, "Novel GaInAsSbBi Materials for Mid-Infrared Type-I Quantum Well Lasers," *The Second International Workshop on Bismuth-Containing Semiconductors: Theory, Simulation and Experiment*, Guildford, UK, 18-20 July 2011.

Fan, D., Z. Zeng, V. G. Dorogan, Y. Hirono, C. Li, Y. I. Mazur, Z. M. Wang, S. R. Johnson, **S.Q., Yu**, G. J. Salamo, "Photoluminescence and Surface Morphology Characterization of GaAsBi Grown on GaAs," in *28th North American Molecular Beam Epitaxy Conference*, San Diego, 2011.

Wu, S.-N., **S.-Q. Yu**, D. Ding, S. R. Johnson, and Y.-H. Zhang, "Ultra High Luminescence Extraction via the Monolithic Integration of a Light Emitting Active Region with a Semiconductor Hemisphere," *J. Vac. Sci. Technol. B* 29, 031213, 2011.

Fan, D., Z. Zeng, V. G. Dorogan, Y. Hirono, C. Li, Y. I. Mazur, Z. M. Wang, S. R. Johnson, **S.Q. Yu**, G. J. Salamo, "Bismuth surfactant mediated growth of InAs quantum dots by Molecular Beam Epitaxy," *MRS fall meeting 2011*, Boston.

Zeng, Z., D. Fan, C. Li, Y. Hirono, T. A. Morgan, Z. M. Wang, **S.-Q. Yu**, A. Guo, G. J. Salamo, "Epitaxial Growth of High-quality Bi<sub>2</sub>Te<sub>3</sub> and Sb<sub>2</sub>Te<sub>3</sub> Thin Films on GaAs (111)," *MRS fall meeting 2011*, Boston.

Guo A.Q., C. Furrow, V. P. Kunets, **S.-Q. Yu**, G. Salamo, G. A. Sivoglou, R. El-Ganainy, K. G. Markris, D. N. Christodoulidis, D. Duchesne, R. Morandotti, M. Volatier-Ravat, V. Aimez, "Observation of a Passive PT Phase Transition," in *APS MARCH MEETING 2011*, MAR11-2010-000974, session Y45, (Atom Interactions with Molecules, Surfaces, and X-Rays).

Dong, Z., **U. Wejinya**, and S. Sandeep. "Development of CNT-ISFET Based pH Sensing System Using Atomic Force Microscopy," *Sensors Actuators A*, Vol. 173, No. 1 (2011), 293 – 301.

Killeen, P., J. Monkus, E. Klessig, D. Hearn, **J. Wu**, and S. C. Smith, "Developing a Smart Home System," *International Conference on Embedded Systems and Applications, July 2011*, pp. 148-152.

Li, C., Z. Q. Zeng, D. S. Fan, Y. Hirono, **J. Wu**, T. A. Morgan, S.-Q. Yu, Zh. M. Wang, G. J. Salamo, Bismuth Nano-droplets for Group-V Based Molecular-Beam Droplet Epitaxy, *Appl. Phys. Lett.*, 99, 243113 (2011).

Sun, N., **J. Wu**, "Optimum sampling in a spatial-temporally correlated wireless sensor network," in *Proc. IEEE Global Telecommun. Conf. Globecom'11*, Dec. 2011.

Tao, J., **J. Wu**, Y. Zheng, "Reliability-based turbo detection," *IEEE Trans. Wireless Commun.*, vol. 10, pp. 2352-2361, July 2011.

Tao, J., **J. Wu**, Y. Zheng, and C. Xiao, "Enhanced MIMO LMMSE turbo equalization: algorithm, simulations, and undersea experimental results," *IEEE Trans. Sig. Processing*, vol. 59, pp.3813-3823, Aug. 2011.

Walker M. L., J. Tao, **J. Wu**, and Y. R. Zheng, "Low complexity Turbo detection of coded under-determined MIMO systems," in *Proc. IEEE Intern. Conf. Commun ICC'11*, May 2011.

**Wu J.**, Y. Zheng, "Oversampled orthogonal frequency division multiplexing in doubly selective fading," *IEEE Trans. Commun.*, vol. 59, pp. 815-822, Mar. 2011.

**Wu J.**, G. Y. Li, "Cross-layer design of random on-off accumulative transmission with iterative detections," in *Proc. IEEE Global Telecommun. Conf. Globecom'11*, Dec. 2011.

**Wu J.**, G. Zhou, "A new ultra-low power wireless sensor network with integrated energy harvesting, data sensing, and wireless communication," in *Proc. IEEE Intern. Conf. Commun ICC'11*, May 2011.

Zhou G., **J. Wu**, and K. Sohraby, "Cooperative spectrum sensing with a progressive MAP detection algorithm," in *Proc. IEEE Global Telecommun. Conf. Globecom'11*, Dec. 2011.

**Zhang, S.**, F. E. Payton and J. S. Ivy, "Understanding the Role of Mental Disorders on HIV Patient Outcomes." *Proceedings of the 6th INFORMS Workshop on Data Mining and Health Informatics*, Charlotte, NC, November 2011

Jaroach, D., E. McLamore, **W. Zhang**, J. Shi, J. Garland, M. K. Banks, D. M. Porterfield, and J. L. Rickus. 2011. Cell-mediated deposition of porous silica on bacterial biofilms. *Biotechnology and Bioengineering* 108 (10): 2249-60.

Beckford, S., A. Wang, and **M. Zou**. "Wear Resistant PTFE/SiO<sub>2</sub> Nanoparticle Composite Films." *Tribology Transactions*, Vol. 49, No. 1 (2011), 66 – 71.

Tidwell, W., D. Scott, H. Wang, R. Fleming and **M. Zou**. "Nanoindentation Study of Deformation-Resistant Al/a-Si Core-Shell Nanostructures." *Acta Materialia*, Vol. 59, No. 15(2011), 6110–6116.

Beckford S. and **M. Zou**. "Micro/Nano Engineering on Stainless Steel substrates to Produce Superhydrophobic Surfaces." *Thin Solid Films*, Vol. 520, No. 5 (2011), 1520-1524.

Beckford, S., N. Langston, **M. Zou**, and R. Wei. "Fabrication of Durable Hydrophobic Surfaces through Surface Texturing." *Applied Surface Science*, Vol. 257, No. 13 (2011), 5688–5693.

Morton, B., H. Wang, R. Fleming, and **M. Zou**. "Nanoscale Surface Engineering with Deformation-resistant Core-shell Nanostructures." *Tribology Letters*, Vol. 42, No. 1 (2011), 51-58.

**Zou, M.**, S. Beckford, R. Wei, C. Ellis, G. Hatton, and M. Miller. "Effects of Surface Roughness and Energy on Ice Adhesion Strength." *Applied Surface Science*, Vol. 257, No. 8 (2011), 3786-3792.

**Blackburn, D. G.**, B. J. Buratti, R. Ulrich, and J. Mosher. “The Directional Scattering Properties of Iapetus’ Surface: The Key to an Improved Bolometric Bond Albedo Map.” Presented at the 42nd Annual Lunar and Planetary Science Conference, The Woodlands, TX, March 7-11, 2011.

**Braham, A.**, Mudford, C., “Innovative Method of Analyzing Fracture Data from Asphalt Concrete”, Engineering Mechanics Institute Conference, 2011.

**Buyurgan, N.**, R. Rardin, A. Burbano, V. M. Varghese, P. Farrkohvar, and E. Rashidi, “CIHL-Recalls and Outdates Report.” Summarizes the findings from recall and outdate management research conducted in collaboration with 6 hospital systems.

**Coffman, R.A.**, Hale, W.M., “Faculty and Student Involvement in a Graduate Level Civil Engineering Seminar Series”, American Society for Engineering Education, Vancouver, BC, Canada.

**Cox, B.R.**, Wood, C.M., “Surface Wave Benchmarking Exercise: Methodologies, Results and Uncertainties,” ASCE GeoRisk2011: Risk Assessment and Management in Geoenvironment, Atlanta, Georgia, 26-28 June 2011.

Stokoe, II, K.H., Lee, L.-S., Nam, B., **Cox, B.**, and Oshinski, E., “Investigations of Galveston Airport Pavements after Hurricane Ike in 2008 and Liquefaction sites in Residential Areas after the New Zealand Earthquake in 2010,” *Proceedings of the 3rd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation*, Semarang, Indonesia, 18-20 May 2011, pp. 255-262.

McCartney, J.S., **Cox, B.R.**, Trowler, C.N., Wood, C.M., Khosravi, A., “Seasonal Effects on the Dynamic Deformation of Geosynthetic-Reinforced Pavements,” ASCE Geo-Frontiers: Advances in Geotechnical Engineering, Dallas, Texas, 13-16 March 2011.

**El-Shenawee, M.** and A. M. Hassan, “Terahertz Imaging and Sensing Technology Annual Report”, *Annual Report to the Army Research Laboratory*, accomplished under Cooperative Agreement Number W911NF-10-2-0093.

**El-Shenawee, M.**, P. Blake, A. M. Hassan and D. K. Roper. “Surface Plasmons of Finite Nanoring Arrays.” Presented at the IEEE AP-S and USNC/URSI National Radio Science Meeting, Spokane, WA, July 3-8, 2011.

Pifer AD and **JL Fairey**, “Using fluorescence measurements to relate physicochemical properties of DOM to disinfection byproduct formation and control”, Water Quality Technology Conference, November 13-17, 2011, Phoenix, AZ.

Pope PG, T Crowley, **JL Fairey**, D Haas, and G Hum, “Staying free: An investigation into DBP mitigation strategies to remain on free chlorine”, Water Quality Technology Conference, November 13-17, 2011, Phoenix, AZ.

Pifer AD and **JL Fairey**, “Developing fluorescence-based metrics to improve predictions of trihalomethane (THM) formation and enhance the efficacy of THM-precursor removal strategies”, Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond, July 27-29, 2011, Costa Mesa, CA.

Cousins SL and **JL Fairey**, “Shifts in disinfection byproduct formation and speciation driven by source water eutrophication”, Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond, July 27-29, 2011, Costa Mesa, CA.

Hill, B.W., G.S. Denny, E.C. Clausen, **Carol Gattis**, “UAESP: A Program for Helping Middle School Teachers Devise Their Own Hands-on Engineering and Science Activities,” Proceedings at

the US Department of Education Math Science Partnership Regional Conference, Baltimore, Maryland, February 2011.

**Gattis, J.L.**, C. Hanning, and L. K. Duncan. “Changes Associated with Converting Frontage Roads from Two-way to One-way Operation,” *Compendium of Papers*, 90<sup>th</sup> Annual Meeting, Transportation Research Board.

Font, A.M. and **Grimmelsman, K.A.**, “The use of piezoelectric transducers and fiber optic sensors in structural health monitoring of concrete structures,” *Proceedings of the 4<sup>th</sup> Structural Engineers World Congress (SEWC2011)*, April 4 – 6, Lake Como, Italy, 2011.

Maestri, R., Wank, T. and **Grimmelsman, K.A.**, “A comparison of experimental characterization results for multiple bridge spans of the same design,” *Proceedings of the 8<sup>th</sup> International Workshop on Structural Health Monitoring 2011*, Stanford University, Stanford, CA, September 13-15, 2011.

Anderson, J., **B. Haggard**, R. Kolka, D. Meals, and M. Tomer 2011. External Pioneer Farm Review, Final Report, University of Wisconsin–Platteville, Pioneer Farms, Platteville, Wisconsin.

Bailey, B., L. Massey, and **B. Haggard**. 2011. Water Quality Trends across Select 319 Monitoring Sites in Northwest Arkansas. Final Report Project #09-400, Arkansas Natural Resources Commission, Little Rock, Arkansas.

**Haggard, B.**, and T. Scott. 2011. Phosphorus Release from Bottom Sediments at Lake Wister, Oklahoma, Summer 2010. Arkansas Water Resources Center Technical Publication MSC 364.

Massey, L., **B. Haggard** and T. Scott. 2011. Watershed Investigative Support to the Beaver Water District: Load Estimation in Tributary Streams, Final Report, Beaver Water District, Lowell, Arkansas.

**Haggard, B.** Occurrence and Transport of Pharmaceuticals in Effluent-Driven Streams. Southern Region Water Conference, Athens, Georgia – September 2011

**Haggard, B.**, T. Scott, S. Longing, and J. Metrailler. Facilitating Development of Nutrient Criteria in the Multi-Jurisdictional Red River Basin. Southern Region Water Conference, Athens, Georgia – September 2011

Busch, D., P. Parker, **B. Haggard**, and B. Barnet. Alternative Methods for Monitoring Surface Water Runoff from Agricultural Fields. ASA – CSSA – SSSA, San Antonio, Texas – October 2011

**Haggard, B.**, T. Scott, A. Sharpley, and J. Romeis. Stream Phosphorus and Nitrogen Trends in a Watershed under a Court Mandated Index. ASA – CSSA – SSSA, San Antonio, Texas – October 2011.

**Hale, W.M.**, Coffman, R.A., “Observations from an Engineering Writing Project.” *Proceedings*, American Society for Engineering Education, Vancouver, BC, Canada.

Floyd, R., and **Hale, W.**, “Developing Lightweight Self-Consolidating Concrete Mixtures”, *Proceedings of the PCI Annual Convention and National Bridge Conference*, 2011.

Floyd, R., Bymaster, J., and **Hale, W.**, “Strand Bond in Lightweight Self-Consolidating Concrete”, *Proceedings of the PCI Annual Convention and National Bridge Conference*, 2011.

Smith, J., Floyd, R., Bymaster, J., and **Hale, W.**, “From the Lab to the Field: Batching SCC”, *Proceedings of the PCI Annual Convention and National Bridge Conference*, 2011.

Floyd, R., Howland, M., Ward, D., and **Hale, W.**, “Modulus of Elasticity of Lightweight Self-Consolidating Concrete for Prestressed Members,” *Proceeding of the 9<sup>th</sup> Symposium on High Performance Concrete*, 9-12 August 2011, Christchurch, NZ, pp. 1- 8.

Howland, M., Floyd, R., and **Hale, W.**, “Bond Performance of Lightweight Self-Consolidating Concrete”, *Proceeding of the 9<sup>th</sup> Symposium on High Performance Concrete*, 9-12 August 2011, Christchurch, NZ, pp. 1 – 8.

John, E., Ruiz, E., Floyd, R., and **Hale, W.**, “Transfer and Development Length and Prestress Losses in Ultra-High Performance Concrete”, Transportation Research Board Annual Meeting 2011.

E.E. John, **W. M. Hale** and R.P. Selvam, “Development of a high-performance concrete to store thermal energy for concentrating solar power plants”, *Proceedings of ASME 2011 5th international Conference on Energy Sustainability*, ESFuelCell 2011-54177, Aug. 7-10, Washington, DC.

Cevolini F., W. Holemans, **A. Huang**, S. Davis, and G. Moore. “Construction of a CUBESAT using additive manufacturing.” *Proceedings of 1st IAA Conference on University Satellite Missions and CubeSat Workshop*, Rome, Italy, (2011).

Godin, K.A. and **A. Huang**. “A Solid State Thruster for Attitude Control of Picosatellites.” *Proceedings of 2011 AIAA Region IV Student Conference*, Arlington, Texas, (2011).

McMullen, M.G. and **A. Huang**. “Formation Analysis and Design via Small-Satellite Ejector.” *Proceedings of 2011 AIAA Region IV Student Conference*, Arlington, Texas, (2011).

Bair, R.A. and **A. Huang**. “Gimbaled Permanent Magnet-Based Attitude Control For Pico/Nano-Satellites.” *Proceedings of 2011 AIAA Region IV Student Conference*, Arlington, Texas, (2011).

Jones, M. and **A. Huang**. “Characterizing Heavy Fluorine-Based Gases as Propellants for Small Satellite Propulsion Systems.” *Proceedings of 2011 AIAA Region IV Student Conference*, Arlington, Texas, (2011).

Clark, S. and **A. Huang**. “Development of a Nanosatellite Aerodynamic Passive Maneuver.” *Proceedings of 2011 AIAA Region IV Student Conference*, Arlington, Texas, (2011).

White J., **A. Huang**, and W. Holemans. “Build Your Cubesat Overnight and Put it Into Any Orbit You Want.” *Proceedings of 2011 Spring CubeSat Developer’s Workshop*, San Luis Obispo, California, (2011).

**Huang, A.**, F. Pan, A. Sudibjo, V. Ullal, H. Spence, and Spearot, D. “Experimental and Numerical Methods of Diffusion for the Characterization of Metal Particle Elastomeric Composites.” *Proceedings of 2011 NSF CMMI Research and Innovation Conference*, Atlanta, Georgia, (2011).

Ma, S., L. Men, and **M. Huang**, “Hybrid Scale-invariant Feature Transform (SIFT) Implementation on CPU/GPU,” poster presented at the workshop on Electronic Structure Calculation Methods on Accelerators, Oak Ridge National Lab, Oak Ridge, Tennessee, Feb. 6-8, 2012.

**Johnson, S. L.**, “Relative Advantages and Disadvantages of Independent Contractor Status.” Final Report, October 2011

**Jong, I. C.** and W. T. Springer. “Teaching Deflections of Beams: Comparison of Advantages of Method of Model Formulas versus Method of Superposition.” *Proceedings of 2011 ASEE Annual Conference & Exposition, Session W550*, Vancouver, British Columbia, Canada, June (2011).

**Kim, Jin-Woo**, Researcher Link DNA to Nanostructure.” *Arkansas Newswire*. September 19, 2011



N. Kotagiri, J.S. Lee, and **J.-W. Kim**. 2011. "Selective Pathogen Targeting and Macrophage Evading Carbon Nanotubes Through Dextran Sulfate Coating and PEGylation," in *Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics*, Jeju, Korea.

J.-H. Kim, R. Deaton, and **J.-W. Kim**. 2011. "DNA-Modulated Plasmonic Nano-Composite Probes for Medical Theranostics," in *Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics*, Jeju, Korea.

J. Judkins, H.H. Lee, S. Tung, and **J.-W. Kim**. 2011. "Diffusion of Single-Walled Carbon Nanotube Under Physiological Conditions," in *Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics*, Jeju, Korea.

**Kim, J.-W.**, 2011. "Self-Assembled Nanocomposites as Advanced Theranostic Nanoagents for Circulating Tumor Cells," in *Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics*, Jeju, Korea.

**Kim, J.-W.**, 2011. "Nanoparticles and Nano-Ensembles for Multi-Modal Diagnosis and Therapy," in *Proceedings of 6<sup>th</sup> IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS)*, Kaohsiung, Taiwan.

Yan, X.F., M.H. Wang, D. An, J. Lin, R. Wang, and **Y. Li**. 2011. A high-gradient magnetic separation system for separating magnetic nanobeads from aqueous solution. ChinaNANO 2011 International Conference on Nanoscience & Technology, Beijing, China, September 6-9, 2011. Paper No. 5P-073.

Xu, X., Y. Ying, **Y. Li**. 2011. One-step and label-free detection of alpha-fetoprotein based on aggregation of gold nanorods. Eurosensors 2011, Athens, Greece, September 4-6, 2011. Paper No. 1135.

**Liang, Y.**, G.T. Tabler, W. Reynolds R. Starkweather, K.N Jensen. 2011 Heat Recovery Ventilators in a Broiler House to Reduce Energy Use, ASABE Annual Meeting August Paper number 1110595, St. Joseph, Mich.: ASABE

John, R., V. Dotsenko, **A. Malshe**, and D. Gupta. "Thermal Performance of an Adhesive Bonded Superconducting Multichip Module on a Gifford-McMahon Cryocooler." *Proceedings of 44<sup>th</sup> International Microelectronics and Packaging Society*, Long Beach, California, (2011).

Washispack, A., A. Samant, **A. Malshe**. "Study of the Fundamental Chemical and Physical Interactions Between Advanced Nanoparticles." *Poster Presentation at Biomedical Engineering Society Annual Meeting*, Hartford, Connecticut (2011).

Kalita, P. and **A. Malshe**. "Study of Specific Energy and Friction Coefficient in Minimum Quantity Lubrication Grinding Using Oil-Based Nanolubricants." *Proceedings of 39<sup>th</sup> North American Manufacturing Research Conference (NAMRC)*, Corvallis, Oregon, (2011).

Jahan, M. P., and **A. Malshe**. "Application of Scanning Tunneling Microscopy (STM) for Nanoscale Electromachining in Air." *Proceedings of Nanoscale International Conference*, Santa Barbara, California, (2011).

G. Thoma, , **M. Matlock**, D. Shonnard, E. Cummins, Z. Neiderman, J. Cothren and J. Wilson. 2011. National Scan-Level Beyond Carbon Life Cycle Study for Production of US Dairy. DMI, Chicago, Ill.

**Matlock, M.**, A. Brown, E. Cummings. 2011. Water Risk Management Indices for Sustainable Supply Chain Assessment. The Sustainability Consortium, Fayetteville AR.

**McCann, R.A.**, R. Winkelman, D. Moody, “Advanced lead-acid battery-based distributed energy storage system,” *Infocast Advanced Battery R&D Symposium, Santa Clara (CA)*, January 10-12, 2011 (invited paper).

**Meller, R. D.**, L. M. Thomas, “Inventory Policy Decisions and Warehouse Operational Costs at Medline Industries.” CELDi Final Report, provided to project sponsor and CELDi

**Nachtmann, H.**, “Emergency Response via Inland Waterways.” UTC Spotlight, U.S. Department of Transportation, RITA Office of Research, Development, and Technology

**Nachtmann, H.**, “Supporting Secure and Resilient Inland Waterways.” *TR News*, 275

**Nachtmann, H.**, E. A. Pohl, “Emergency Response via Inland Waterways.” Mack Blackwell Rural Transportation Center, Final Report

**Nachtmann, H.**, L. M. Pohl, “Sustaining Resilient Inland Waterways via Renewable Energy.” Mack-Blackwell Rural Transportation Center, Final Report

Huang, L., E. Decrossas, B. Newton, L. Ji, **H. Naseem**, V.V. Varadan, S.-Q. Yu, “Nanofabrication of integrated metamaterials and semiconductors for optoelectronic devices,” *Arkansas ASSET II NSF EPSCoR project annual meeting* (2011, Heber Springs).

Young, M., B. Newton, H. Abu-Safe, **H. Naseem**, S.-Q. Yu, “3D Nanostructured Crystalline Silicon/Amorphous Silicon Heterojunction Solar Cells,” *Arkansas ASSET II NSF EPSCoR project annual meeting* (2011, Heber Springs).

**Naseem, H. A.**, A. Bhattacharya, V. Varadan, Industrial Outreach, *Arkansas ASSET II EPSCoR project annual meeting NSF* (2011, Heber Springs).

**Naseem, H. A.**, “Nanoplasmonic Enhancement of Efficiency in Thin Silicon Based Solar Cells,” *Arkansas ASSET II NSF EPSCoR project annual meeting* (2011, Heber Springs).

Ji, L., L. Huang, **H. Naseem**, S.-Q. Yu, V.V. Varadan, “Ellipsometric characterization of metamaterial nanostructures on semiconductor substrates for solar cell applications,” *Arkansas ASSET II NSF EPSCoR project annual meeting* (2011, Heber Springs).

Claypool, E., B. A. Norman, and **K. L. Needy**, “Modeling risk in a design for supply chain problem.” *Technical Report 11-03, University of Pittsburgh*: 2011

Claypool, E., B. A. Norman, and **K. L. Needy**, “Design for supply chain: An analysis of key risk factors.” *Technical Report 11-02, University of Pittsburgh*: 2011.

**Nutter, D.**, W., A. C. Harding, and A. McKnight. “Arkansas Industrial Energy Clearinghouse - Success and Lessons Learned from Creation to Implementation.” *Proceedings of the IETC 2011 Thirty-third Industrial Energy Technology Conference*, New Orleans, Louisiana, (2011).

Tan, A., **D. Nutter**, and F. Milani. “GHG Emissions and Energy Use from a Multi-Product Dairy Processing Plant.” *Proceedings of the 2011 ASME Early Career Technical Conference (ECTC)*, Fayetteville, Arkansas, (2011).

**Osborn, G.S.**, 2011. SDOX Technology. Web article from BlueInGreen.com for potential customers of technology. Posted June 27, 2001 <http://www.blueingreen.com/2011/06/sdcox-technology-by-scott-osborn/>

Linguist, L., A. McCain, **G.S. Osborn**. 2011. Final Report NIH Phase II Grant Point Source Ozonation to Minimize Antibiotic Resistance.

**Pilgrim, Rob** and Rick Ulrich. “Numerical Modeling of Fiber Optic Bundles for In Situ Reflectance Spectroscopy.” Presented at the 42nd Annual Lunar and Planetary Science Conference, The Woodlands, TX, March 7-11, 2011.

**Rainwater, C.**, A. B. Milburn, and G. Gwaltney, “Rail Transportation Models for Rural Populations.” MBTC Final Report

**Rardin, R.**, N. Buyurgan, R. Jayaraman, V. M. Varghese, A. Burbano, A. Hajiyeve, N. Lehlou and J. Pazour, “CIHL-Washington Regional Medical Center Medsurg Report.” Summarizes the findings from data standards pilot implementation conducted by CIHL Data standards team on med surg operations of Washington Regional Medical Center, a single facility hospital

Pazour, J., V. M. Varghese, N. Lehlou, L. Thomas, **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, and A. Hajiyeve, “Pharmacy Data Standards Project.” Final Report, Summarizes the impact of data standards adoption on pharma operations of Washington Regional Medical Center, Fayetteville, AR

Varghese, V. M., **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, A. Hajiyeve, and N. Lehlou, “Impact of Data Standards in Cash flow in Healthcare Supply Chains.” Summarizes the impact of data standards adoption on supply chain related financial transactions in healthcare supply chains

Varghese, V. M., **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, A. Hajiyeve, and N. Lehlou, “CIHL-CoxHealth Medsurg Report.” Summarizes the findings from data standards pilot implementation conducted by CIHL Data standards team on med surg operations of an IDN, CoxHealth, Springfield, MO

**Rardin, R.**, N. Buyurgan, V. M. Varghese, R. Jayaraman, A. Burbano, and N. Lehlou, “Levels Readiness Impact Model User’s Guide.” A user’s guide for Levels Readiness Impact Model, a decision support tool to evaluate the benefits of adopting global supply chain data standards.

Pazour, J., V. M. Varghese, N. Lehlou, L. Thomas, **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, and A. Hajiyeve, “Pharmacy Data Standards Project.” Final Report, Summarizes the impact of data standards adoption on pharma operations of Washington Regional Medical Center, Fayetteville, AR

Varghese, V. M., **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, A. Hajiyeve, and N. Lehlou, “Impact of Data Standards in Cash flow in Healthcare Supply Chains.” Summarizes the impact of data standards adoption on supply chain related financial transactions in healthcare supply chains

Varghese, V. M., **R. Rardin**, N. Buyurgan, R. Jayaraman, A. Burbano, A. Hajiyeve, and N. Lehlou, “CIHL-CoxHealth Medsurg Report.” Summarizes the findings from data standards pilot implementation conducted by CIHL Data standards team on med surg operations of an IDN, CoxHealth, Springfield, MO

**Rardin, R.**, N. Buyurgan, V. M. Varghese, R. Jayaraman, A. Burbano, and N. Lehlou, “Levels Readiness Impact Model User’s Guide.” A user’s guide for Levels Readiness Impact Model, a decision support tool to evaluate the benefits of adopting global supply chain data standards.

**Rardin, R.**, N. Buyurgan, E. A. Pohl, and A. Bennett, “Healthcare Systems Engineering Research and Education Leadership Workshop.” Project Final Report, Healthcare Systems Engineering Research and Education Leadership Workshop: 2011.

**Rardin, R.**, N. Buyurgan, R. Jayaraman, V. M. Varghese, A. Burbano, A. Hajiyeve, N. Lehlou and J. Pazour, “GS1 Data Standards Provider Pilot Project Process and Information Flow Analysis Washington Regional Medical Center.” Summarizes the initial analysis from data standards pilot implementation conducted by CIHL Data standards team on med surg operations of Washington Regional Medical Center.

**Rardin, R.**, N. Buyurgan, R. Jayaraman, V. M. Varghese, A. Burbano, A. Hajiyeve, N. Lehlou and J. Pazour, “CIHL-Washington Regional Medical Center Medsurg Report.” Summarizes the findings from data standards pilot implementation conducted by CIHL data standards team on med surg operations of Washington Regional Medical Center, a single facility hospital

**Rivera-Valentin, E. G.**, V. F. Chevrier, R. Ulrich, and L. Roe. “Effects of Freezing Point Depression on Martian Paleolake Stability.” Presented at the 42nd Annual Lunar and Planetary Science Conference, The Woodlands, TX, March 7-11, 2011.

Wasiak, F.C., A. Luspai-Kuti, D.G. Blackburn, **L.A. Roe**, and V. Chevrier. “A Titan Simulation Chamber.” *Joint Meeting of the European Planetary Science Congress and the American Astronomical Society Division of Planetary Sciences, EPSC Abstracts*, Vol. 6, EPSC-DPS2011-548, Nantes, France, (2011).

Rivera-Valentin, E.G., V. F. Chevrier, R. Ulrich, and **L. A. Roe**. “Effect of Freezing Point Depression on Martian Paleolake Stability.” *Proceedings of 42nd Lunar and Planetary Sciences Conference*, The Woodlands, Texas, (2011).

Luspai-Kuti, A., F. C. Wasiak, V. F. Chevrier, D. G. Blackburn, **L. A. Roe**, and W.D.D.P. Welivitiya. “Measuring Evaporation Rates of Methane under Simulated Titan Conditions.” *Proceedings of 42nd Lunar and Planetary Sciences Conference*, The Woodlands, Texas, (2011).

Blackburn, D. G., H. G. Rivera-Valentin, R. Ulrich, and **L. A. Roe**. “The Upper Bound for CO<sub>2</sub> Transport on Iapetus: Narrowing in on the Nature of CO<sub>2</sub> in the Dark Material.” *Proceedings of 42nd Lunar and Planetary Sciences Conference*, The Woodlands, Texas, (2011).

Wasiak, F. C., A. Luspai-Kuti, D. G. Blackburn, W.D.D.P. Welivitiya, **L. A. Roe**, and V. Chevrier. “A Facility for Simulating Titan’s Environment.” *Proceedings of 42nd Lunar and Planetary Sciences Conference*, The Woodlands, Texas, (2011).

**Roe, L.A.** “Small Satellites – Interests and Capabilities,” *Proceedings of Alabama Space Grant Consortium Cubesat Workshop*, (2011).

**Roe, L. A.** “Undergraduate Research in the Mechanical Engineering Department.” *UA Honors Convocation*, Fayetteville, Arkansas (2011).

Lohani, P., **S. Root** and R. D. Meller, “Modeling the Sam’s Club Collect Network Synergies.” CELDi Final Report, provided to project sponsor and CELDi

Vergara, H., **S. Root**, and C. Rainwater, “Modeling a Coal Car Cooperative Transportation Network.” CELDi Final Report, provided to project sponsor and CELDi

**Roper, D. K.** Simultaneous amplification and detection of deoxyribonucleic acid by an optical method using surface plasmon resonance. U.S. Patent 7,998,672, filed May 30, 2007, and issued August 16, 2011.

**Rossetti, M. D.**, Y. Unlu, “Evaluating Lead Time Demand Models for (r, Q) Inventory Models under Intermittent and Highly Variable Demand.” CELDi Final Project Report, UA-08-INVS

**Rossetti, M.D.**, S. Apres, and D. Marek, “Inventory Control Practices.” CIHL White Paper

**Saraswat, D.** and J. Robbins. 2011. High-Tech Tags: RFID Technology May Improve Forecast and Availability Reporting. Nursery Management. November Issue.

J. Skinner, B. Brown and **R.P. Selvam**, “Testing of high performance concrete as a thermal energy storage medium at high temperatures”, *Proceedings of ASME 2011 5th international Conference on Energy Sustainability*, ESFuelCell 2011-54463, Aug. 7-10, Washington, DC.

J.E. Johnston and **R.P. Selvam**, “Molecular Dynamics Simulation of Vapor Bubble Nucleation in 2D Lennard-Jones Fluid along Nanometer-Sized Cavities”, Paper No: AJTEC2011-44188, *Proceedings of the ASME/JSME 2011 8th Thermal Engineering Joint Conference (AJTEC 2011)*, March 13-17, 2011, Honolulu, Hawaii, USA.

A. Nashmi and **R.P. Selvam**, “Computing tornado forces on different building sizes”, *Proceedings of the International Conference on Wind Engineering 13 (ICWE13)*, Amsterdam, Netherlands, July 11-15.

**Soerens, T.**, A. Lee, and S. Parker, “Biodiesel Waste Products as Soil Amendments: Microbial, Biological, and Plant Toxicity – Preliminary Results” *American Society for Horticulture Science*, Waikoloa, Hawaii.

**Soerens, T.**, and Ysaguirre, H., “A Community Organization for Watershed Protection of the Drinking Water Source for Steadfast Village, Stann Creek Valley, Belize”, *2011 International WaTER Conference*, Norman, OK, October 23-26, 2011.

Bandaranayake, G.M., and **Soerens, T.**, “Impact of Climate Changes on Drinking Water and Sanitation Water Use of Rural Communities of the Dry Zone, Sri Lanka”, *2011 International WaTER Conference*, Norman, OK, October 23-26, 2011.

**Spearot, D.** “Computational Modeling of Microstructure Evolution During Vapor Deposition.” *Presentation at NSF CMMI Research and Innovation Conference*, Atlanta, Georgia, (2011).

**Spearot, D.** and A. Malshe, “Fundamental Understanding of Nanoparticle-Based Lubricants Tuned to Respond to Harsh Boundary Lubrication Conditions.” *Presentation at NSF CMMI Research and Innovation Conference*, Atlanta, Georgia, (2011).

Sudibjo, A., Ullal, V., **Spearot, D.** “Molecular Dynamics Simulation of Diffusion of Atmospheric Penetrates in Polydimethylsiloxane Based Nanocomposites.” *Presentation at TMS 2011, 140<sup>th</sup> TMS Annual Meeting and Exhibition*, San Diego, California, (2011).

Sudibjo A., V. Ullal, F. Pan, T. Yang, **D. Spearot**, and A. Huang, “Experimental Characterization and Atomistic Modeling of Polydimethylsiloxane based Nanocomposites for Sensor Applications.” *2011 ASME Applied Mechanics and Materials Conference Symposium on Polymer Nanocomposites: Structure and Function*, McMat2011-4148, Chicago, Illinois (2011).

Ullal, V. and **Spearot, D.** “Molecular Dynamics Simulation of Crosslinking in Polydimethylsiloxane (PDMS) and PDMS-based Nanocomposites.” *Presentation at USNCCM 2011, 11<sup>th</sup> US National Congress on Computational Mechanics*, Minneapolis, Minnesota (2011).

Brown, L. and **Spearot, D.** “Molecular Dynamics Simulations of Plastic Deformation in Dopant-Modified Nanocrystalline Metallic Materials.” *Presentation at Materials Science & Technology 2011*, Columbus, Ohio (2011).

Coleman, S. and **Spearot, D.E.** “X-Ray Diffraction from Atomistic Simulations.” *Presentation at Arkansas State University CI-DAYS*, Jonesboro, Arkansas, (2011).

**Thoma, G.**, D. Nutter, R., Ulrich, C., Maxwell, J., Frank, and C. East. “National Life Cycle Carbon Footprint Study for Production of U.S. Swine.” Final report presented to the National Pork Board, Des Moines, IA, May 15, 2011.

Wang, Z., D. Wang, **S. Tung**, N. Jiao, and Z. Dong. "A Nanochannel System Fabricated by MEMS Microfabrication and Atomic Force Microscopy." *Proceedings of the 6th Annual IEEE Annual International Conference on Nano/Micro Engineered and Molecular Systems (NEMS)*, Kaohsiung, Taiwan, (2011).

Yao, P., **S. Tung**, Z. Zhan, J. Hua and Z. Dong. "Development of Microfluidic Based Telemedicine for Insulin Detection." *Proceedings of the 1st Annual IEEE International Conference on Cyber Technology in Automation, Control, and Intelligent Systems*, Kunming, China, (2011).

**Wang, KCP**; Byram, D.; Xiao, X.; Hall, KD; Evans, M., "Application of MEPDG and HPMS Cracking Protocols with the Automated Distress Analyzer", 8th International Conference on Managing Pavement Assets, Santiago, Chile, November, 2011.

**Wang, KCP**; Nguyen, V.; Hall, KD, "Genetic-Algorithm and Clustering Technique Based Traffic Weight Data Repairing Models", 90th Annual Meeting of the Transportation Research Board, Compendium of Papers, Washington, DC, January 2011.

**Wejinya, C.** and L. Liu. "Modeling of DEP Force and Electrode Geometry for Nanorobotics and Nanomanipulation." *Proceedings of American Nuclear Society (ANS) Conference*, Knoxville, Tennessee, (2011).

Chalamalasetty, S., **U. Wejinya**, Z. Dong and M. Meyyappan. "A Study of Sulfuric and Acetic Acid Effect on Vertically Aligned Carbon Nanofibers for Bio/Chemical Sensors Development." *Proceedings of 11th IEEE International Conference on Nanotechnology*, Portland, Oregon, (2011).

Dong,Z., **U. Wejinya**, S. Chalamalasetty and M. Margis. "Atomic Force Microscopy Based Nano Manipulation towards CNT-ISFET pH Sensing System." *Proceedings of IEEE 6th International Conference on Nano/Micro Engineered and Molecular Systems*, Kaohsiung, Taiwan, (2011).

Chalamalasetty, S., **U. Wejinya**, Z. Dong and M. Meyyappan. "A Study of Sulfuric and Acetic Acid Effect on Vertically Aligned Carbon Nanofibers for Bio/Chemical Sensors Development." *Proceedings of 11th IEEE International Conference on Nanotechnology*, Portland, Oregon, (2011).

**Wejinya, U.** and L. Liu. "Modeling of DEP Force and Electrode Geometry for Nanorobotics and Nanomanipulation." *Proceedings of American Nuclear Society (ANS) Conference*, Knoxville, Tennessee, (2011).

**Williams, Stacy G.**, "Using Density, Permeability, Infiltration, and Absorption to Assess the Quality of HMA Longitudinal Joints", *Transportation Research Record: Compendium of papers of the 90th TRB Annual Meeting*, Transportation Research Board of the National Academies, Washington D.C., January, 2011.

Shumate, S., M. K. Hafeezuddin, **S.-Q. Yu**, H. A. Naseem, "Microstructural Influence of Hydrogenated Amorphous Silicon on Polycrystalline Emitter Solar Cells Prepared by Top-Down Aluminum Induced Crystallization," In *Arkansas ASSET II NSF EPSCoR project annual meeting* (2010, Heber Springs).

Shumate, S., M. K. Hafeezuddin, **S.-Q. Yu**, H. Naseem, "Microstructural Influence of Hydrogenated Amorphous Silicon on Polycrystalline Emitter Solar Cells Prepared by Top-Down Aluminum Induced Crystallization," *Arkansas ASSET II NSF EPSCoR project annual meeting* (2011, Heber Springs).

**Yu, S.-Q.**, "Fabricate and characterize photovoltaic devices with integrated optical metamaterials for enhanced performance," In *Arkansas ASSET II NSF EPSCoR project annual meeting* (2010, Heber Springs).

**Zhang, S.,** J. S. Ivy, “Decision Modeling for Breast Cancer Patients with Spontaneous Disease Regression.” *Proceedings of the INFORMS Healthcare Conference*, Montreal, QC, Canada, June 2011

Beckford, S., L. Osborn, J. Cai, **M. Zou**, and J. Chen. “Tribological Study of PTFE/Au Nanoparticle Composite Thin Films.” *Proceedings of ASME/STLE 2011 International Joint Tribology Conference*, Los Angeles, California, (2011).

**Zou, M.,** A. Arguelles, and Y. Wang. “Tribological Properties of Quantum Dot/PMMA Nanocomposite Films.” *Proceedings of International Conference on Composites/Nano Engineering (ICCE-19)*, Shanghai, China, (2011).

Beckford S. and **M. Zou**. “PTFE Nanocomposite Thin Film on Stainless Steel Substrate for Friction and Wear Reduction.” *Proceedings of STLE Annual Meeting and Exhibition*, Atlanta, Georgia, (2011).

Beckford S. and **M. Zou**. “Fabrication of Superhydrophobic Surfaces on Stainless Steel Substrates for Potential Biomedical Applications.” *Proceedings of 38th International Conference On Metallurgical Coatings And Thin Films ICMCTF 2011*, San Diego, California, (2011).

### **Invited Lectures**

**Andrews, D.,** 2011 International Symposium on Implementation and Application of Functional Programming Languages, Lawrence, Kansas, Oct. 3-5, 2011.

**Andrews, D.,** “Creating HW/SW Co-Designed MPSoC’s from High Level Programming Models,” Workshop on Multiprocessor Systems on (Programmable) Chips (MPSoC 2011), 2011 International Conference on High Performance Computing & Simulation (HPCS 2011), pp. 554-560, Istanbul, Turkey, July 4-8, 2011

**Ang, S. S.,** “Teaching Power Management Circuits and Design,” Texas Instruments’ Analog Design Contest Symposium, July 10-12, 2011, Dallas, Texas

**Balda, J. C.,** and S. S. Ang, “Electrical Engineering R/D at the University of Arkansas,” Northrop Grumman Inc., April 6, 2011, Baltimore, MD.

**Balda, J. C.,** and S. S. Ang, “Power Electronics Packaging at the University of Arkansas,” Industrial Technology Research Institute (ITRI), October 2011, Hsingchu, Taiwan, ROC.

**Balda, J. C.,** and S. S. Ang, “Power Electronics Research at the University of Arkansas,” Zhejiang University, June 2011, Hangzhou, China.

**Braham, A.,** Mudford, C. Innovative Method of Analyzing Fracture Data from Asphalt Concrete, Engineering Mechanics Institute Conference, 2011.

**Braham, A.,** Invited Presentation at University of Mississippi. Presented "Effect of Binder Type, Aggregate, and Mixture Composition on the Fracture Energy of Hot Mix Asphalt." Oxford, MS, March 24, 2011.

**Braham, A.,** Arkansas Asphalt Pavement Association Annual Meeting. Presented “Pavinars’ Webinars for the Pavement Community.” Hot Springs, AR, March 30, 2011.

**Braham, A.,** Engineering Mechanics Institute 2011, Dallas Little Honorary Symposium. Presented “Innovative Methods of Analyzing Fracture Data from Asphalt Concrete.” Boston, MA, June 3, 2011.

**Braham, A.**, Korean Society of Road Engineers. Presented “Asphalt Concrete and Fracture.” Seoul, Korea, June 13, 2011.

**Braham, A.**, Arkansas Portland Cement Concrete Pavement Conference. Presented “Life Cycle Cost Analysis Versus Life Cycle Analysis.” Little Rock, AR, August 30, 2011.

**Buyurgan, N.**, Lehlou, “Surveillance Planning Against Smart Insurgents for Outposts Located in Complex Terrain.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Buyurgan, N.**, V. M. Varghese, and R. Jayaraman, “A Levels, Requirement, and Impact Evaluation Model for GS1 Adoption in Healthcare.” INFORMS Health Conference, June 2011, Montreal Canada.

**Chimka, J. R.**, R. Black, “Economic design for individual observations of a Poisson process,” INFORMS Annual Meeting, Nov 2011, Charlotte, NC

**Chimka, J. R.**, J. Tong, “Statistical process control for the fractal dimension of a time series,” INFORMS Annual Meeting, Nov 2011, Charlotte, NC

**Cox, B.R.**, Wood, C.M. (2011). “Surface Wave Benchmarking Exercise: Methodologies, Results and Uncertainties,” ASCE GeoRisk2011: Risk Assessment and Management in Geoenvironment, Atlanta, Georgia, 2-28 June 2011.

Stokoe, II, K.H., Lee, L.-S., Nam, B., **Cox, B.**, and Oshinski, E. (Invited, 2011) “Investigations of Galveston Airport Pavements after Hurricane Ike in 2008 and Liquefaction sites in Residential Areas after the New Zealand Earthquake in 2010,” Proceedings of the 3rd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation, Semarang, Indonesia, 18-20 May 2011, pp. 255-262.

McCartney, J.S., **Cox, B.R.**, Trowler, C.N., Wood, C.M., Khosravi, A. (2011). “Seasonal Effects on the Dynamic Deformation of Geosynthetic-Reinforced Pavements,” ASCE Geo-Frontiers: Advances in Geotechnical Engineering, Dallas, Texas, 13-16 March 2011.

Linder, M., **J. Di**, and S. C. Smith, “MTD3L – A Secure IC Design Methodology with Reduced Overhead,” 11th International Conference on Microelectronics, Optoelectronics, and Nanoelectronics, March 2012.

**Di, J.**, “Applications of Delay-Insensitive Asynchronous Circuits,” CEA, France, June 2012.

**El-Shenawee, M.** “Electromagnetic Imaging for Breast Cancer Research,” Proc. IEEE Radio and Wireless Symposium: BioWireleSS, Phoenix, Arizona, USA, January 16-19, pp. 55-58, 2011. (invited talk for 40 minutes, opening the session).

**El-Shenawee, M.** "Inverse scattering level set algorithm for retrieving the shape and location of multiple targets", February 21, 2011 at LEAT Lab., Nice, France.

**El-Shenawee M.** “Review of electromagnetic imaging techniques for breast cancer research,” March 23, 2011 at LEAT Lab, Nice, France.

**El-Shenawee, M.** “Level Set and Nano-antennas”, April 18, 2011 at Orange Telecom France Labs, La Turbie, France.

**El-Shenawee, M.** "Biopotential for breast cancer detection", April 23, 2011 at LEAT Lab., Nice, France.



Pifer AD and **JL Fairey** (2011), “Using fluorescence measurements to relate physicochemical properties of DOM to disinfection byproduct formation and control”, Oral Presentation (AD Pifer), *Water Quality Technology Conference*, November 13-17, 2011, Phoenix, AZ.

Pope PG, T Crowley, **JL Fairey**, D Haas, and G Hum (2011), “Staying free: An investigation into DBP mitigation strategies to remain on free chlorine”, Poster Presentation (Pope PG), *Water Quality Technology Conference*, November 13-17, 2011, Phoenix, AZ.

Pifer AD and **JL Fairey** (2011), “Developing fluorescence-based metrics to improve predictions of trihalomethane (THM) formation and enhance the efficacy of THM-precursor removal strategies”, Poster Presentation (AD Pifer), *Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond*, July 27-29, 2011, Costa Mesa, CA.

Cousins SL and **JL Fairey** (2011), “Shifts in disinfection byproduct formation and speciation driven by source water eutrophication”, Poster Presentation (SL Cousins), *Fourth IWA Specialty Conference Natural Organic Matter: From Source to Tap and Beyond*, July 27-29, 2011, Costa Mesa, CA.

**Fairey JL** (2011), “Drinking water disinfection byproducts: The need for enhanced characterizations of dissolved organic matter”, Oral Presentation (JL Fairey), *AWW&WEA Conference*, May 2, 2011, Hot Springs, AR.

**Fairey JL**, Invited panelist, “The impacts of hydraulic fracturing on drinking water resources”, *Water Quality Technology Conference*, November 13-17, 2011, Phoenix, AZ.

A. J. Warren, **J. L. Gattis**, L. K. Duncan, and T. A. Costello, “Analysis of Deceleration in Through Lane Before Right Turn,” Transportation Research Board Annual Meeting 2011.

**J. L. Gattis**, C. Hanning, and L. K. Duncan. “Changes Associated with Converting Frontage Roads from Two-way to One-way Operation,” 90<sup>th</sup> Annual Meeting, Transportation Research Board (2011).

**Gattis, J.**, “Driveway Design.” Oregon Transportation Research & Education Consortium, Corvallis, Oregon, May 16, and Portland, Oregon, May 17, 2011.

**Gauch, S.**, “When is a rock not a rock: Conceptual Approaches to Personalized Search and Recommendations,” Acxiom TRESNet Conference, Little Rock, AR, Nov. 8, 2011.

Maestri, R., Wank, T. and **Grimmelsman, K.A.**, “A comparison of experimental characterization results for multiple bridge spans of the same design,” Proceedings of the 8<sup>th</sup> International Workshop on Structural Health Monitoring 2011, Stanford University, Stanford, CA, September 13-15, 2011.

**Haggard, B.**, S. Entrekin, M. Evans-White, S. Filipek, J. Funkhouser, and L. Massey. Evaluating Water Resources and Impacts from Natural Gas Development, Gulf Mountain Wildlife Management Area. Arkansas Chapter, American Fisheries Society, Little Rock, Arkansas – Feb 2011

**Haggard, B.** Occurrence and Transport of Pharmaceuticals in Effluent-Driven Streams. Southern Region Water Conference, Athens, Georgia – September 2011

**Haggard, B.**, L. Massey, and B. Bailey. Water Quality Trends across Select 319 Monitoring Sites in Northwest Arkansas. USEPA Region 6 Invited Presentation, Dallas, Texas – November 2011

Floyd, R., Howland, M., Ward, D., and **Hale, W.**, “Modulus of Elasticity of Lightweight Self-Consolidating Concrete for Prestressed Members,” Proceeding of the 9<sup>th</sup> Symposium on High Performance Concrete, 9-12 August 2011, Christchurch, NZ, pp. 1- 8.

Howland, M., Floyd, R., and **Hale, W.**, “Bond Performance of Lightweight Self-Consolidating Concrete”, Proceeding of the 9<sup>th</sup> Symposium on High Performance Concrete, 9-12 August 2011, Christchurch, NZ, pp. 1 – 8.

John, E., Ruiz, E., Floyd, R., and **Hale, W.**, “Transfer and Development Length and Prestress Losses in Ultra-High Performance Concrete”, Transportation Research Board Annual Meeting 2011, Paper No. 11-2656.

**Hall, Kevin D.**, “Automated and Rapid 3D Survey of Pavement Surfaces at 1mm Resolution”, U.S. Dept. of Transportation, Washington, DC, January 10, 2011.

**Hall, Kevin D.**, “Calibration of the MEPDG for Flexible Pavement Design in Arkansas”, Annual Meeting of the Transportation Research Board, Washington, DC, January 26, 2011.

**Hall, Kevin D.**, “The Importance of Data Quality in Highway Engineering”, International Conference on Transportation Engineering, Chengdu, China, July 23, 2011.

**Heymsfield, E.**, Selvam, R.P., Kuss, M., & Osweiler, O., “Developing Anti-Icing Airfield Runways Using Solar Energy & Conductive Concrete,” SWIFT 2011 Conference and Trade Show, Montreal, Canada, September, 2011.

**Huang A.** “MEMS-based Warm-gas Propulsion System.” CubeSat Meeting, Universidad Interamericana-Bayamón, Puerto Rico, February 2011.

**Johnson, S.L.**, “Relative Advantages and Disadvantages of Independent Contractor Status.” Truckload Carrier Association Annual Meeting, October 2011, Dallas, TX

**Johnson, S.L.**, “Survey of Independent Contract Drivers.” Great American Truck Show, August 2011, Dallas, TX

**Kim, J.-W.**. 2011. Self-Assembled Nanocomposites as Advanced Theranostic Nanoagents for Circulating Tumor Cells. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics, Jeju, Korea. [Refereed]

**Kim, J.-W.**. 2011. Biology with Engineering at the Small Scale. Department of Biosystems & Biomaterials Science and Engineering, Seoul National University, Korea.

**Kim, J.-W.**. 2011. Nanoparticles and Nano-Ensembles for Multi-Modal Diagnosis and Therapy. 6<sup>th</sup> IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), February 20-23, Kaohsiung, Taiwan. [Refereed].

**King, J. W.** “Green Chemistry, Engineering and Technology – Putting It into Practice.” Presented at the Environmental Protection Agency, Cincinnati, OH, November 10, 2011.

**King, J. W.** “Tandem Supercritical Carbon Dioxide – Subcritical Water Processing for Chemical Extraction and Reactions.” Presented at the Environmental Protection Agency, Cincinnati, OH, May 5, 2011.

**King, J. W.** “Coupling Sub- and Supercritical Fluids for the Processing of Renewable Fuels.” Presented at the 7<sup>th</sup> Annual Super Green International Conference on Supercritical Fluids, Beijing, China, August 28, 2011.

**King, J. W.** “Engineering Options for Biodiesel Production.” Presented at the University of Yucatan, Merida, Mexico, June 29-30, 2011.

**King, J. W.** “Food Additive Extraction and Biorenewable Fuel Processing Using Critical Fluids.” Presented at Oklahoma State University, Stillwater, OK, April 6, 2011.

**King, J. W.** “Principles of Biodiesel Synthesis, Chemistry and Characterization.” Presented at the University of Yucatan, Merida, Mexico, June 29-30, 2011.

**King, J. W.** “Technology of Biodiesel by Solar Energy – Algae Cultivation.” Presented at the University of Yucatan, Merida, Mexico, June 29-30, 2011.

**King, J. W.** “Uses of Biodiesel and Co-Products – Fuel, Chemical Intermediate, Solvent, and Food Applications.” Presented at the University of Yucatan, Merida, Mexico, June 29-30, 2011.

**Li, Y.** 2011. Impedance biosensors for in-field rapid screening of avian influenza H5N1 in poultry. Invited presentation at 2011 International Symposium on Applications of Nanotechnology and Biosensors in Food and Agriculture, April 14-17, 2011, Hangzhou, China.

**Li, Y.** 2011. Nanotechnology-based biosensors for rapid detection of bacteria and virus in agriculture and food. Invited lecture at Nanchang University, April 24, 2011, Nanchang, China.

**Li, Y.** 2011. Applications of biosensing technology in agriculture and food. Invited presentation at Chinese Society of Agricultural Engineering 2011 Annual Meeting, October 22-24, 2011, Chongqing, China.

**Li, Y.** 2011. Advanced biosensing technology and its role in agricultural information and equipment. Invited presentation at 2011 Yangling International Agri-Science Forum: Modern Agricultural Information and Equipment, November 5-7, 2011, Yangling, China.

**Li, Y.** 2011. Biosensing technology and their applications in microbial detection. Invited lecture at Nazarbayev University, Kazakhstan, December 13, 2011, Astana, Kazakhstan.

**Li, Y.** 2011. Applications of biosensing technology in agriculture and food. *An invited presentation* at Chinese Society of Agricultural Engineering 2011 Annual Meeting, October 22-24, 2011, Chongqing, China.

**Loewer, Otto J.**, Leadership and Sustainability in the Emerging Chaos – Understanding the Linkages Among Technology, Economics and Societal Values. To T.D. Williamson, Inc., Tulsa, OK. June 30, 2011.

**Malshe, A.** “Superconducting MCM Packaging: Materials and Processes.” ONR Meeting, San Diego, California, January 2011.

**Malshe, A.** “Biomanufacturing through Nanomanufacturing.” NSF Workshop, Chingua University, Beijing, China, September 2011.

**Malshe, A.** “Nanomanufacturing, Science to Commercialization.” NBA, Boston, Massachusetts, September 2011.

**Malshe, A.** “Application of Nanotechnology for Gas and Oil Industry.” Gas and Oil Industry Association, Houston, Texas, December 2011.

**Mantooth, H. A.** “Prospects of Future Smart Grid Technology and High-Power SiC Modules,” Keynote Address at International Symposium on SiC Power Electronics 2011, Nagoya, Japan, 65 slides, Dec. 7, 2011.

**Mantooth, H. A.**, S. S. Ang, “Advances in SiC Power Modules,” Wide Bandgap Workshop, Hsinchu, Taiwan, 36 slides, April 29, 2011.

**Mantooth, H. A.** “Advances in SiC Power Modules,” ARP Ae & EERE Joint Workshop on Power Electronics in Photovoltaic Systems, Washington, D.C., 19 slides, Feb. 8, 2011.

**Mantooth, H. A.**, “Evolution to Revolution: The Emerging Smart Grid in America,” 22nd National NSF EPSCoR Conference, Coeur d’Alene, Idaho, 45 slides, Oct. 27, 2011.

**Matlock, Marty**, Sustainable Cotton: Organic, Levi Strauss Sustainability Meeting, January 10, 2011

**Matlock, Marty**, Measuring What Matters: Sustainable Agriculture in a Changing World, Animal Agriculture Sustainability Summit, January 24-26, 2011

**Matlock, Marty**, Greenhouse Gas Emissions Reduction Strategies for US Dairy, Agriculture’s Conference on the Environment, Michigan State Univ., January 27, 2011

**Matlock, Marty**, LCA for Liquid Milk in US Dairy, National Cattlemen’s Beef Association, Denver, CO, February 2, 2011

**Matlock, Marty**, US Agriculture’s Impact on GHG Emissions, National Corn Growers Association Sustainability Committee Meeting, March 19, 2011

**Matlock, Marty**, GHG Emissions in US Dairy, FAO Sustainable Animal Agriculture Workgroup, Rome, IT, March 28, 2011

**Matlock, Marty**, The Role of Feedstocks in GHG Emissions in US Dairy, FAO Sustainable Crop Agriculture Workgroup, Rome, IT, March 30, 2011

**Matlock, Marty**, Water use for US Agriculture: A Case Study with US Dairy, EU Environmental Protection Agency Workgroup on Water Quality, Copenhagen, DN, April 4, 2011

**Matlock, Marty**, Metrics for Sustainable Agriculture, 8th Annual BIGMAP Symposium, Iowa State University, Ames, IA, April 19, 2011

**Matlock, Marty**, Metrics for Sustainable Agriculture, Prince of Wales Sustainability Metrics Workshop, Atlanta, GA, May 10, 2011

**Matlock, Marty**, Metrics for Water Stress for US Dairy, DRI Sustainability Council Meeting, Chicago, IL, May 25, 2011

**Matlock, Marty**, Water Quality Impacts from US Dairy, DRI Sustainability Workgroup, Chicago, IL, September 8, 2011

**Matlock, Marty**, Measuring Sustainability in US Dairy, 2011 International Dairy Show, Atlanta, GA, September 20, 2011

**Matlock, Marty**, Greenhouse Gas Emissions Reduction Strategies for US Dairy, American Association of Bovine Practitioners, St. Louis, MO, September 24, 2011

**Matlock, Marty**, Metrics for Water for US Dairy, DRI Environmental Development Meeting, October 28, 2011.

**Meller, R. D.**, P. Ancona, “Distribution Center Optimization at Medline, a CELDi ‘Success Story’.” CELDi Spring Meeting, April 2011, Denver, CO

**Meller, R. D.**, E. Ballot, “A Futurist Concept to Overcome the Current Logistics Oxymoron.” Tomorrow’s Supply Networks: Agility and Full Asset Utilization, a Procter and Gamble Forum, March 2011, Strombeek-Bever (Belgium)

**Meller, R. D.**, R. Curry, J. Apple, L. Thomas, and J. White, “Warehouse Design via Parameterized Models and Empirical Observations.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Meller, R. D.**, K. P. Ellis, “The CELDi Physical Internet Project Update.” CELDi Physical Internet Project Immersion Event, Oct 2011, Chicago, IL

**Meller, R. D.**, K. P. Ellis, F. Broadstreet, M. Verdeyen, and B. White, “The Physical Internet Initiative: Vision, Investigation, and Panel Discussion.” Horizontal Collaboration in the Supply Chain Summit, June 2011, Atlanta, GA

**Meller, R. D.**, K. R. Gue, “Innovative Aisle Configurations for Unit-Load Warehouses.” Distinguished Lecture Series, The Harold and Inge Marcus Department of Industrial & Manufacturing, March 2011, State College, PA

**Meller, R. D.**, K.R. Gue, “Innovative Aisle Configurations for Unit-Load Warehouses.” Invited Lecture Series, Industrial & Systems Engineering Program, University of Minnesota, March 2011, Minneapolis, MN

**Meller, R. D.**, B. Lombardi, S. Roesch, and L. Thomas, “The CELDi NSF Physical Internet Project: Establishing the Logistics System Gain Potential of the Physical Internet.” CELDi Poster Session, CELDi Spring Meeting, April 2011, Denver, CO

**Meller, R. D.**, B. Lombardi, S. Roesch, and L. Thomas, “The CELDi NSF Physical Internet Project: Establishing the Logistics System Gain Potential of the Physical Internet.” CELDi Poster Session, CELDi Spring Meeting, October 2011, Chicago, IL

**Meller, R. D.**, “Obtaining Industry Research Funding.” IIE Doctoral Colloquium, May 2011, Reno, NV

**Meller, R. D.**, “Preparing for Research: Successful Strategies.” IIE New Faculty Colloquium, May 2011, Reno, NV

**Meller, R. D.**, K.R. Gue, “Partnering with U.S. Logistics Companies and Innovative Aisle Configurations for Unit-Load Warehouses.” Professeur distingue en ingénierie, Centre de Gestion Scientifique, Mines ParisTech, November 2011, Paris (France)

**Meller, R. D.**, B. Montreuil, “Tutorial on the Changing Face of Logistics: Towards a Physical Internet.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Meller, R. D.**, B. Montreuil, and E. Ballot, “The Physical Internet Initiative: On-Going Projects.” CELDi Physical Internet Project Immersion Event, October 2011, Chicago, IL

**Meller, R. D.**, P. Parikh, “The Aisle-Width Problem for Picking Systems – An Alternative Approach.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV.

**Milburn, A. B.**, C. Rainwater, and J. Gwaltney, “Rail transportation models for rural populations.” Mack-Blackwell Rural Transportation Center Advisory Board Meeting, 2011, Fayetteville, AR

**Milburn, A. B.**, D. St. John, J. Bright, S. J. Mason, E. A. Pohl, and C. Rainwater, “Mitigating dynamic risk in multi-modal perishable commodity supply chain networks.” Mack-Blackwell Rural Transportation Center Advisory Board Meeting, 2011, Fayetteville, AR

**Milburn, A. B.**, J. Spicer, D. St. John, C. Rainwater, S.J. Mason, and E. A. Pohl, “Mitigating dynamic risk in multi-modal perishable commodity supply chain networks.” Fifth Annual Department of Homeland Security University Network Student Day, 2011, Washington, DC

**Milburn, A. B.**, O. Boudhoum, and C. Rainwater, “Models for disaster relief and supply routing.” Mack-Blackwell Rural Transportation Center Advisory Board Meeting, 2011, Fayetteville, AR

**Milburn, A. B.**, “Evaluating the impact of the Medicare Hospice Face to Face Encounter Requirement.” Hospice and Palliative Care Association of Arkansas, September 2011, Little Rock, AR.

**Nachtmann, H.**, E. A. Pohl, “Systems Optimization and Operations Research.” U.S. Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory Blue Water Systems Optimization Workshop, October 2011, webinar

**Nachtmann, H.**, H. J. Mayer, “Supporting Secure and Resilient Inland Waterways.” U.S. Coast Guard Headquarters Meeting, November 2011, Washington, DC

**Nachtmann, H.**, “Emergency Response via Inland Waterways.” U.S. Department of Transportation Maritime Data Working Group, November 2011, Washington, DC

**Nachtmann, H.**, “Secure and Resilient Waterways.” Arkansas Regional Waterways Conference, October 2011, Little Rock, AR

**Nachtmann, H.**, “The Inland Waterway Transportation Systems’ Role in Response and Recovery.” Fifth Annual Department of Homeland Security University Network Summit, April 2011, Washington, DC

**Nachtmann, H.**, “The Role of Inland Waterways in Response and Resiliency,” TRB Transportation Hazards and Security Summit, August 2011, Irvine, CA

**Needy, K. L.**, S. McMurtry, R. Hlutkowsky, and D. Rabeneck, “Taking Your Career to New Heights,” Industrial Engineering Solutions Conference, May 2011, Reno, NV

**Needy, K. L.**, “Studying the Benefits of Green Buildings.” Graduate Seminar at Auburn University, December 2011, Auburn, AL

**Needy, K. L.**, “Studying the Benefits of Green Buildings.” Graduate Seminar at the Air Force Institute of Technology, October 2011, Wright-Patterson AFB, OH

**Needy, K. L.**, N. Scala, and J. Rajgopal, “Spare Parts Inventory Management in the Electric Utility Industry.” Industrial Engineering Research Conference, May 2011, Reno, NV

**Nutter, D.**, G. Thoma, R. Ulrich, G. Norris, F. Milani, F., and D. Summer. “Comprehensive LCA for Cheese and Whey Products.” Global Cheese Technology Forum, Reno, Nevada, October 2011.

**Nutter, D.** “Energy Costs Can Be Reduced.” The 2011 Manufacturing Challenge Seminar, Magnolia, Arkansas, August 2011.

**Nutter, D.** “Arkansas Industrial Energy Clearinghouse – Justification, Successes, and Lessons Learned.” Arkansas Energy Seminar, Fort Smith, Arkansas, May 2011.

**Osborn, G.S.** 2011. Dissolved Oxygen and Ozone Technology. Invited Presentation to Battelle Memorial Institute, Columbus, OH.

**Osborn, G.S.** 2011. Dissolved Ozone Technology: Test Results and Potential for Use Disinfecting Wastewater. Presented to OMI-CH2MHILL, Fayetteville, AR.

**Osborn, G.S.** 2011. Dissolved Ozone Technology. Presented to Camp Dresser McKee Engineers. Fayetteville, AR.

**Pohl, E. A.**, “Leveraging Retail Supply Chain Knowledge in Healthcare Logistics.” Association of Healthcare Resource & Materials Management (AHRMM) Academic Forum, August 2011, Boston, MA

**Qian, X.** “The Effects of Salt on the Lower Critical Solution Temperature of PNIPAM and its Copolymer.” Presented at the 6<sup>th</sup> Joint U.S.-Sino Chemical Engineering Conference, Beijing, China, November 7-10, 2011. First presented at the Department of Physics, University of Kaiserslautern, Germany, February 2011.

**Qian, X.** “The LCST of PNIPAM and PNIPAM-co-PEGMA.” Presented at the Department of Chemistry, University of Duisburg-Essen, Essen, Germany, April 2011.

**Qian, X.** “Biomass Conversion to Biofuels from First-Principles.” Presented at Qingdao University, Qingdao, China, November 2011.

**Qian, X.** “The Effects of Solvent on Sugar Reactions.” Presented at the Department of Chemistry, University of Arkansas, Fayetteville, AR, October 2011.

**Rainwater, C.**, C. R. Cassady, and J. R. Chimka, “Optimizing the Sunday Singles Lineup for a Ryder Cup Captain.” Industrial Engineering Research Conference Proceedings, May 2011, Reno, NV

**Rainwater, C.**, C. R. Cassady, L. M. Maillart and Y. Zhuang, “A Refined Approach to Fourth-Down Decision Making.” Industrial Engineering Research Conference Proceeding, May 2011, Reno, NV

**Rainwater, C.**, R. Gedik, “Assessing Vulnerabilities in the Coal Supply Chain.” Institute for Operations Research and Management Sciences Conference, November 2011, Charlotte, NC

**Rainwater, C.**, R. Gedik and H. E. Romeijn, “Evaluating the Capacity of a Proton Therapy Facility.” Institute for Operations Research and Management Sciences Healthcare Conference, June 2011, Montreal, Canada

**Rardin, R.**, “Tackling the Challenges of Healthcare Delivery with the Tools of Industrial Engineering and Operations Research.” Northwestern University Seminar Series, October 2011, Evanston, IL

**Root, S.**, H. Vergara, “Algorithms and Optimization Models for Truckload Relay Network Design,” Institute for Operations Research and the Management Sciences Conference, November 2011, Charlotte, NC

**Root, S.**, H. Vergara, “Feasible Path Enumeration for Directed Acyclic Graphs Limiting Path Length and Nodes Visited.” Institute for Operations Research and the Management Sciences Conference, November 2011, Charlotte, NC

**Root, S.**, H. Vergara, “Path Enumeration with Side Constraints for Directed Acyclic Graphs.” Industrial Engineering Research Conference, May 2011, Reno, NV

**Root, S.**, H. Vergara, “Truckload Relay Network Design Using a Composite Variable Formulation.” Industrial Engineering Research Conference, May 2011, Reno, NV

**Root, S.**, P. Lohani, “Topping Off Trailers for Express Package Carriers.” Industrial Engineering Research Conference, May 2011, Reno, NV

**Roper, D. K.** “Enhanced Spectral Sensing by Electromagnetic Coupling with Localized Surface Plasmons on Subwavelength Structures.” Presented at the CMOS Emerging Technologies Workshop, Whistler, British Columbia, Canada, June 15-17, 2011.

**Saraswat, D.** and J. Robbins. 2011. Unmanned Aerial Systems for Precision Agriculture. In *1<sup>st</sup> Annual Agricultural UAS Conference: Precision Agriculture*, Atlanta, GA, October 4.

**Saraswat, D.** 2011. The Response of States to Nutrient Limitation Rules and the Role of Models. In *Southern Region Water Quality Conference*, Athens, GA, September 13-16.

J. Skinner, B. Brown and **R.P. Selvam** (2011), Testing of high performance concrete as a thermal energy storage medium at high temperatures, Proceedings of ASME 2011 5th international Conference on Energy Sustainability, ESFuelCell 2011-54463, Aug. 7-10, Washington, DC.

E.E. John, W. M. Hale and **R.P. Selvam** (2011), Development of a high-performance concrete to store thermal energy for concentrating solar power plants, Proceedings of ASME 2011 5th international Conference on Energy Sustainability, ESFuelCell 2011-54177, Aug. 7-10, Washington, DC

A. Nashmi and **R.P. Selvam** (2011), Computing tornado forces on different building sizes, Proceedings of the International Conference on Wind Engineering 13 (ICWE13), Amsterdam, Netherlands, July 11-15.

J.E. Johnston and **R.P. Selvam** (2011), Molecular Dynamics Simulation of Vapor Bubble Nucleation in 2D Lennard-Jones Fluid along Nanometer-Sized Cavities, Paper No: AJTEC2011-44188, Proceedings of the ASME/JSME 2011 8th Thermal Engineering Joint Conference (AJTEC 2011), March 13-17, 2011, Honolulu, Hawaii, USA.

**R.P. Selvam** (2011), Multiphase Heat Transfer Using Jets and Sprays: Modeling and Devices, Proceedings of the 49th AIAA Aerospace Science Meeting, Jan. 4-7, Orlando, Florida, Invited presentation.

**R.P. Selvam** (2011), Thermal Energy Storage in Concrete in the High Temperature Range, Seminar on Experimentation, Modeling, and Synthesis of Hierarchical Materials, ERDC-Army, Vicksburg, September 20-21.

**R.P. Selvam** (2011), Computational Wind Engineering & Bridge Aerodynamics, Fourth International Summer School on Full-Scale and Model-Scale Studies of Dynamical Behavior and Modal Analysis of Structures, Kaimen Solaski, Opole University, Poland, June 27-28.

**R.P. Selvam** (2011), Computational Building Aerodynamics & Tornado Forces on Building, Fourth International Summer School on Full-Scale and Model-Scale Studies of Dynamical Behavior and Modal Analysis of Structures, Kaimen Solaski, Opole University, Poland, June 27-28.

**Servoss, Shannon.** "Peptoid-Based Slide Coatings for ELISA Microarray." Presented at the Department of Physics, University of Arkansas, Fayetteville, AR, October 28, 2011. First presented at the Freshman Engineering Honors Colloquium, University of Arkansas, Fayetteville, AR, October 4, 2011.

**Smith, S. C.** and J. Di, "Ultra-Low Power Asynchronous Digital Circuits," seminar at Texas A&M University, October 2011.

**Smith, S. C.,** "Ultra-Low Power Asynchronous Digital Circuits," tutorial at Hawaii University International Conferences on Mathematics and Engineering, June 2011.

**Smith, S. C.** and R. Guha, "Developing Modular Curricula," workshop at NSF CCLI/TUES PI Conference, January 2011.

**Spearot, D.** "Molecular Dynamics Simulations and the Importance of Advanced Cyberinfrastructure Resources." Cyberinfrastructure Day, Marshall University, Huntington, West Virginia, April 2011.



**Spearot, D.** “Atomistic Modeling of the Nanoscale Behavior of Materials.” West Virginia State University (HBCU), Institute, West Virginia, April 2011.

**Spearot, D.** “Atomistic Modeling of the Nanoscale Behavior of Materials.” U.S. Army Engineering Research and Development Center (ERDC), Vicksburg, Mississippi, September 2011.

**Spearot, D.** “Molecular Dynamics Simulations of Nanostructured Materials.” Oklahoma State University, Stillwater, Oklahoma, October 2011.

**Spearot, D.** “Computational Modeling of Microstructure Evolution during Vapor Deposition.” CAREER Award Regional Forum, Louisiana State University, Baton Rouge, Louisiana, November 2011.

Pan F., H. Spence, **D. Spearot**, and A. Huang. “Nano-Particle Polymer Composite MEMS Corrosion Sensor.” 6th IEEE International Conference on Nano/Micro Engineered and Molecular Systems (6th IEEE-NEMS), Kaohsiung, Taiwan, February 2011.

**Thompson, D.R.**, “RFID Technical Tutorial: IEEE RFID 2012, Orlando, FL., April 2, 2012.

**Ulrich, Rick.** “A GHG Model for Live Swine Operations.” Presented at the National Pork Board, Des Moines, IA, April 6, 2011.

**Ulrich, Rick.** “GHG Emissions from Pork Facilities.” Presented at the University of Nebraska, July 25, 2011.

**Ulrich, Rick.** “Human Nature and Global Warming.” Presented at Upward Bound, University of Arkansas, Fayetteville, AR, October 15, 2011.

**VanDevender, K.** Arkansas Litter Transport and Tradeoffs with Storage Alternatives. Farm Pilot Project Coordination, Inc. Annual Technology Summit. Saint Petersburg Beach, FL. September, 19-20, 2011. [www.fppcinc.org/events-summit-2011-september-presentations.html](http://www.fppcinc.org/events-summit-2011-september-presentations.html)

**Varadan, V. K.**, International Conference on Sensors, Tampere, Finland, June 4-7, 2011, “Nanotechnology based point-of-care diagnostics and therapeutics for neurological and cardiovascular disorders” (keynote talk).

**Varadan, V. K.**, “Nanotechnology based point-of-care diagnostics and therapeutics for neurological disorders”, Proceedings of the ASME First Global Congress on Nanoengineering for Medicine and Biology (key note talk), pp. 1-2, 2010.

**Varadan, V. K.**, International Conference on Emerging Innovations in Drug Delivery Technology, Coimbatore, India, February 11, 2011, “Nanomedicine” (plenary talk).

**Varadan, V. K.**, “Nanotechnology and Smart Devices in Engineering, Life Sciences and Medicine” DRDO Conference on Nanotechnology, Delhi, India (Plenary talk), December 13-15, 2011.

**Varadan, V. K.**, “Wearable garments and electronics with nanosensors for monitoring and control of cardiovascular diseases and neurological disorders”, International Conference on Medical Sciences, Gachoen Medical University, Korea, May 10-12, 2011 (plenary talk).

**Varadan, V. K.**, “Instrumentation and control for brain machine interface smart systems with wireless nanosensors, MEMS and NEMS”, First International Conference on Modern Trends in Instrumentation and Control, Coimbatore, September 2, 2011.

**Wejinya, U.** “Research and Education in Engineering and Science.” Shenyang Pharmaceutical University, Shenyang, China, September, 2011.

**Wejinya, U.** “Graphene Patterning Using AFM and Its Applications.” Chinese Academy of Sciences, Beijing, China, June, 2011.

**Wejinya, U.** “The Behavior of Carbon Nanofibers (CNF)s in Extreme Environments.” University of Arkansas, NSF-REU Nanotechnology Seminar, June 2011.

**Wickramasinghe, S. R.** “Membrane and Surface Modification.” Presented at the International Congress on Membranes and Membrane Processes, Amsterdam, Netherlands, July 2011.

**Wickramasinghe, S. R.** “Multifunctional Membranes.” Presented at the Department of Technical Chemistry, University of Duisburg-Essen, Essen, Germany, August 2011.

**Wickramasinghe, S. R.** “Responsive Membranes for Water Treatment.” Presented at the International Academic Workshop II on Energy Materials for Blue Economy, Qingdao University, Qingdao, China, November 2011.

**Wickramasinghe, S. R.** “Detoxification of Lignocellulosic Biomass by Membrane Extraction.” Presented at the Department of Technical Chemistry, University of Duisburg-Essen, Essen, Germany, March 2011.

**Wickramasinghe, S. R.** “Membranes and Membrane Processes for the 21<sup>st</sup> Century.” Presented at the Department of Technical Chemistry, University of Duisburg-Essen, Essen, Germany, July 2011.

**Williams, Stacy G.**, “Using Density, Permeability, Infiltration, and Absorption to Assess the Quality of HMA Longitudinal Joints”, *Transportation Research Record: Compendium of papers of the 90th TRB Annual Meeting*, Transportation Research Board of the National Academies, Washington D.C., January, 2011.

**Yu, S.-Q.**, “Novel GaInAsSbBi Materials for Mid-Infrared Type-I Quantum Well Lasers,” in International workshop on 6.1 Å II-VI and III-V materials and their integration, Phoenix, 2011.

**Zhang, S.**, Q. He, and J. S. Ivy, “Modeling Breast Cancer Natural History with Unknown Progression Rates.” Industrial Engineering Research Conference, May 2011, Reno, NV

**Zhang, S.**, J. S. Ivy, “An Optimal Decision Model for Breast Cancer Patients with Spontaneous Disease Regression.” Institute for Operations Research and the Management Sciences Conference, November 2011, Charlotte, NC

**Zhang, S.**, J. S. Ivy, “Decision Modeling for Breast Cancer Patients with Spontaneous Disease Regression.” Institute for Operations Research and the Management Sciences Healthcare Conference, June 2011, Montreal, QC, Canada

**Zhang, S.**, J. S. Ivy and K. M. Diehl, “Decision Modeling for Breast Cancer Patients with Spontaneous Disease Regression,” ISE Graduate Seminar at North Carolina State University, Nov 2011, Raleigh, NC.

**Zhang, S.**, J. S. Ivy, “Decision Modeling for Breast Cancer Patients with Spontaneous Disease Regression.” Seminar, Department of Industrial Engineering, Clemson University, October 2011, Clemson, SC.

**Zhang, S.**, J. S. Ivy and K. M. Diehl, “Breast Cancer Screening is Not One Size Fits All: Using Modeling to Personalize Breast Cancer Screening Policy.” Seminar in Healthcare Engineering and Patient Safety, Department of Industrial and Operations Engineering, University of Michigan, November 2011, Ann Arbor, MI

**Zhang, W.**, “Characterization of Biofilm Detachment Mechanisms”, University of Kansas, Lawrence, Kansas, October 4, 2011.

**Zou, M.,** A. Arguelles, and A. Wang. "Tribological Properties of Quantum Dot/PMMA Nanocomposite Films." International Conference on Composites/Nano Engineering (ICCE-19), Shanghai, China, July 2011.

**Zou, M.,** "Nano Engineered Surfaces." University of Arkansas at Little Rock, Little Rock, Arkansas, April 2011.

**Zou, M.,** "Nano Mechanics and Tribology Laboratory Research Overview." 2011 Arkansas NASA EPSCoR Workshop, Petit Jean, Arkansas, February 2011.

### **Other Lectures, Papers, and Oral Presentations**

Bitra, M. C., K. N. Tiwari, V. Shinde, and **S. G. Bajwa**. 2011. Rainwater harvesting site identification and watershed prioritization using remote sensing and GIS. In. Proc. Annual Convention of Indian Society of Remote Sensing - "Empowering Rural India through Space Technology". 9-11 November 2011. Bhopal, India.

**Bajwa, S. G.,** D.S. Bajwa, G. H. Holt, and T. A. Coffelt. 2011. Performance of thermoplastic composites with cotton burr and stem (CBS) treated for water absorption. The AAIC 23rd Annual Meeting - 2011 Challenges and Opportunities for Industrial Crops. 11-14 Sep. 2011. Fargo, ND..

Bitra, M. C., K. N. Tiwari, V. Shinde, and **S. G. Bajwa**. 2011. Rainwater harvesting site identification and watershed prioritization using remote sensing and GIS. In. Proc. Annual Convention of Indian Society of Remote Sensing - "Empowering Rural India through Space Technology". 9-11 November 2011. Bhopal, India.

**Bajwa, S. G.,** D.S. Bajwa, G. H. Holt, and T. A. Coffelt. 2011. Performance of thermoplastic composites with cotton burr and stem (CBS) treated for water absorption. The AAIC 23rd Annual Meeting - 2011 Challenges and Opportunities for Industrial Crops. 11-14 Sep. 2011. Fargo, ND.

Holt, G., P. Chow, T. Wedegaertner, and **S. G. Bajwa**. 2011. Physical and mechanical properties of composites made from cotton burs, cotton stalks, kenaf and southern yellow pine blends. The AAIC 23rd Annual Meeting - 2011 Challenges and Opportunities for Industrial Crops. 11-14 Sep. 2011. Fargo, ND.

**Bajwa, S. G.,** D. S. Bajwa, G.H. Holt., R. Srinivasan, T. Coffelt, F. Nakayama, and R. Gesch. 2011. Recycling of ligno-cellulosic and polyethylene wastes from agricultural operations in thermoplastic composites. In. Proc. of Second International Conference on Recycling and Reuse of Materials and Their Products (ICRM-2011). 5-7 August 2011. Kottayam, Kerala, India. (Invited Speaker)

Baker, S., J. Haynie, and **S. G. Bajwa**. 2011. Evaluation of plant fibers to clean oil spills. The Third Annual Honors Research Symposium. 26 April 2011. Fayetteville, Arkansas.

Bajwa, D. S., and S.G. Bajwa. 2011. Bio-fiber composites patent and trademark review: 2001-2010. In. Proc. 11th International Conference on Wood & Biofiber Plastic Composites, 16-18 May 2011, Madison, Wiscon.

**Bajwa, S. G.,** D. Saraswat, L. Espinoza, and T. Griffin. 2011. Precision Agriculture in Arkansas. NCERA180 Multistate Committee Meeting, Little Rock, AR. 23-25 March 2011. (Invited speaker).

**Beitle, Robert R.,** Douglas Behrend, and Rachel Schwartz. "Chemical Engineering Process Design Class as a Venue for Examining Group Dynamics." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Beitle, Robert.** "Development of Next-Generation Affinity Sequences for Use with Both Immobilized Metal Affinity Chromatography and Ion Exchange Chromatography." Presented at the Cambridge Health Institute PEPTalk, San Diego, CA, January 10-14, 2011.

**Blake, P.,** B. Harbin, J. Obermann, and D. K. Roper. “Enhanced Nanoparticle Response Based on Dipole Coupling in Plasmonic Sensors.” Presented at the American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

**Braham, A.,** Preservation and Rehabilitation 2011 – AEMA/ARRA/ISSA Annual Meeting. Presented "Current & Future Laboratory Research on Pavement Maintenance Products." Tucson, AZ, January 25, 2011.

**Braham, A.,** Ergon/Paragon (private company). Presented "Pavement Maintenance Products Research." Jackson, MS, March 21, 2011.

**Braham, A.,** Ergon Asphalt & Emulsions, Inc. Presented “Developing a partnership between Ergon and the University of Arkansas.” Jackson, MS, May 16, 2011.

**Braham, A.,** Ergon Asphalt & Emulsions, Inc. Presented “Developing research ideas between Ergon and the University of Arkansas.” Jackson, MS, September 13, 2011.

**Bunnel, K.,** E. M. Martin, C. West, E. C. Clausen, and D. J. Carrier. “Physicochemical Properties and Pretreatment of *Panicum virgatum* (Switchgrass) Hemicellulose.” Presented at the 33<sup>rd</sup> Annual Symposium on Biotechnology for Fuels and Chemicals, Seattle, WA, May 2-5, 2011.

**Carrier, Danielle Julie** Laboratory Group presented at 33<sup>rd</sup> Symposium for Fuels and Chemicals in Seattle, WA (5 posters); at American Society of Agricultural

**Carrier Danielle Julie** Laboratory Group presented at the Biological Engineering annual meeting in Louisville, KY (3 orals)

**Carrier, Danielle Julie** Laboratory Group presented at ASSET EPSCOR Heber Springs, AR (4 posters)

**Carrier, Danielle Julie** Laboratory Group presented at at S-1041 Symposium on Bioenergy in Stillwater, OK (4 posters)

**Carrier, Danielle Julie** Laboratory Group presented at American Institute of Chemical Engineers (1 poster, 1 oral).

**Cassady, C. R.,** “Evaluating the Fairness of Approaches Used to Determine League Champions.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Cassady, C. R.,** B. Wiles, “Incorporating Degrees of Separation into College Football Rankings.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Dejarnette, D.** and D. K. Roper. “Geometric Effects on Far-Field Coupling Between Multipoles of Nanoparticles in Square Arrays.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Dhamdere, R.,** Y-W. Lu, K. Srinivas, and J. W. King. “Catalytic Conversion of Lignocellulosic Biomass to Carbochemicals in Carbonated Water.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Du, H.** and X. Qian. “The Effects of Acetate Anion on Cellulose Dissolution and Reaction in Imidazolium Ionic Liquids.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Du, H.** and X. Qian. “The Effects of Salt on Lower Critical Solution Temperature Transition of Thermo-Responsive PNIPAM-Co-PEGMA Copolymer.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Du, H.**, S. R. Wickramasinghe, and X. Qian. “Effects of Salt on Thermo-responsive Membrane Surfaces.” Presented at the International Congress on Membranes and Membrane Processes, Amsterdam, Netherlands, July 23-29, 2011.

**Dunn, M. F.**, W. R. Penney, and E. C. Clausen. “Bernoulli Balance Experiments Using a Venturi.” Presented at the American Society for Engineering Education Midwest Section Annual Conference, Russellville, AR, September 28-30, 2011.

**Erwin, W.**, C. Starbird, J. Hestekin, and S. L. Servoss. “Incorporation of Peptoids into Membrane Based Chiral Molecule Separation.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Fant, E. W.**, M. Center, “Development /Demonstration of a HawgScuff Mechanism.” Laboratory Proof of Concept, October 2011, Alma, Arkansas

**Gattis, J.**, “The *Highway Safety Manual* Has Arrived.” Fall 2011 Missouri Valley-ITE meeting, Little Rock, Arkansas, September 15, 2011.

**Grimmelsman, K.A.** “Rapid condition screening of bridges by falling weight deflectometer,” Presentation at the AHTD TRC 92<sup>th</sup> Meeting, Little Rock, AR, April 27-28, 2011.

**Grzenia, D. L.**, X. Qian, D. J. Schell, and S. R. Wickramasinghe. “Detoxification of Lignocellulosic Biomass by Membrane Extraction –Experimental Observations and Theoretical Verification.” Presented at the International Congress on Membranes and Membrane Processes, Amsterdam, Netherlands, July 23-29, 2011.

**Grzenia, D. L.**, X. Qian, D. J. Schell, and S. R. Wickramasinghe. “Detoxification of Lignocellulosic Biomass by Membrane Extraction — Experimental Observations and Theoretical Verification.” Presented at the 6th Sino-U.S. Joint Conference of Chemical Engineering, Beijing, China, November 7-10, 2011.

Sharpley, A., M. Cochran, M. Daniels, **B. Haggard**, M. Matlock, T. Riley, and D. Saraswat (authors are alphabetical order after the first author). 2011. The Role of Nonpoint Source Models in Watershed Management. UA Division of Agriculture, Policy Center Fact Sheet FSPPC112

**Haggard, B.** Phosphorus Trends from Watershed Management Changes in Arkansas. USDA National Water Meeting, Washington DC – Feb 2011

Bailey, B., L. Massey, and **B. Haggard**. Water Quality Trends in Northwest Arkansas, 1997 – 2009. American Ecological Engineering Society Annual Meeting, Asheville, North Carolina – May 2011

Bonaduce, M., **B. Haggard**, and OMI. Alum Additions to Effluents to Meet Potential New Phosphorus Limits. American Ecological Engineering Society Annual Meeting, Asheville, North Carolina – May 2011

Corral, J., **B. Haggard**, T. Scott, and S. Patterson. Potential Alum Treatment of Reservoir Bottom Sediments to Manage Phosphorus Release. American Ecological Engineering Society Annual Meeting, Asheville, North Carolina – May 2011

Fohner, J., and **B. Haggard**. Nutrient Dynamics in Stormwater Runoff from Green Roofs with Varying Substrate. American Ecological Engineering Society Annual Meeting, Asheville, North Carolina – May 2011

Massey, L., **B. Haggard**, S. Entrikin, Michelle Evans-White, Steve Filipek and Jaysson Funkhouser. Monitoring Water Resources of the Gulf Mountain Wildlife Management Area to Evaluate Possible Effects of Natural Gas Development Activities. American Ecological Engineering Society Annual Meeting, Asheville, North Carolina – May 2011

Bailey, B., L. Massey, and **B. Haggard**. Water Quality Trends in Northwest Arkansas, 1997 – 2009. SERA17 Meeting, Delray Beach, Florida – May 2011

**Haggard, B.**, T. Scott, and S. Patterson. Sediment Phosphorus Dynamics in Drinking Water Supply Reservoirs: Importance and Management. University Council on Water Resources, Annual Meeting, Boulder, Colorado – July 2011

**Haggard, B.**, T. Scott, S. Longing, and J. Metrailler. Facilitating Development of Nutrient Criteria in the Multi-Jurisdictional Red River Basin. Southern Region Water Conference, Athens, Georgia – September 2011

**Haggard, B.**, L. Massey, and B. Bailey. Water Quality Trends across Select 319 Monitoring Sites in Northwest Arkansas. ANRC 319 Program Annual Project Meetings, Little Rock, Arkansas – September 2011

Busch, D., P. Parker, **B. Haggard**, and B. Barnet. Alternative Methods for Monitoring Surface Water Runoff from Agricultural Fields. ASA – CSSA – SSSA, San Antonio, Texas – October 2011

**Haggard, B.**, T. Scott, A. Sharpley, and J. Romeis. Stream Phosphorus and Nitrogen Trends in a Watershed under a Court Mandated Index. ASA – CSSA – SSSA, San Antonio, Texas – October 2011

**Haggard, B.**, T. Scott, S. Longing and J. Metrailler. Red River Project Update – Establishing the Statistical Evidence for State Evaluation. USEPA Region 6 Invited Presentation, Dallas, Texas – November 2011

**Haggard, B.** and D. Philipp. Watershed Research and Education Center. Visiting Chinese Delegation, Pauline Whitaker Facilities, Fayetteville, Arkansas – November 2011.

Floyd, R., Bymaster, J., and **Hale, W.** (presenter), “Performance of Prestressed Girders Cast with Lightweight Self-Consolidating Concrete”, Mack-Blackwell Rural Transportation Center, Annual Advisory Board Meeting, November 18, 2011, Fayetteville, AR.

Floyd, R., and **Hale, W.** (presenter), “Performance of Prestressed Girders’ Cast with Lightweight SCC”, Arkansas State Highway and Transportation Department, Transportation Research Committee, April 28, 2011, Little Rock, AR.

Smith, G., Bymaster, J., Floyd, R., and **Hale, W.** (presenter), “Investigating the Use of SCC in Transportation Structures”, Arkansas State Highway and Transportation Department, Transportation Research Committee, April 28, 2011, Little Rock, AR.

**Hall, Kevin D.**, “Asphalt 101: Back to Basics”, Quality Asphalt Conference, Arkansas Asphalt Pavement Association, Little Rock, AR, January 7, 2011.

**Hall, Kevin D.**, “Local Calibration of the MEPDG”, 92nd Transportation Research Committee Meeting, Arkansas State Highway and Transportation Department, Little Rock, AR, April 27, 2011.

**Hall, Kevin D.**, “Development of a Master Plan for Calibration and Implementation of the M-E Design Guide”, 92nd Transportation Research Committee Meeting, Arkansas State Highway and Transportation Department, Little Rock, AR, April 27, 2011.

**Hall, Kevin D.** “Civil Engineering at the University of Arkansas”, Annual Meeting of the State Section, ASCE, Little Rock, AR, October 6, 2011.

**Havens, Jerry** and Heather Walker. “LNG Carrier Polystyrene Cargo Insulation Performance Under Fire Exposure.” Presented at the American Institute of Chemical Engineers Spring Meeting, Chicago, IL, March 13-17, 2011.

**Hestekin, J.**, K. White, R. Penney, R. Babcock, T. Potts, N. Lorenz, E. Canuel, and A. Hardison. "Production of Biodiesel Fuel from Tall Oil Fatty Acids." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Hestekin, Jamie A.**, Robert R. Beitle, Nicole Lorenz, and Jianjun Du. "Application of Wafer-Enhanced Electrodeionization in a Continuous Fermentation Process to Produce Butyric Acid with *Clostridium Tyrobutyricum*." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Hill, B.W.**, G. S. Denny, and E. C. Clausen. "UAESP: A Program for Helping Middle School Teachers Devise Their Own Hands-On Engineering and Science Activities." Presented at the Department of Education Math and Science Partnership Regional Conference, Baltimore, MD, February 2011.

**Himstedt, H. H.**, X. Qian, and S. R. Wickramasinghe. "Magnetically Activated Membranes for Treatment of Wastewaters." Presented at the North American Membrane Society Annual Meeting, Las Vegas, NV, June 4-8, 2011.

**Himstedt, H.**, M. Ulbricht, X. Qian, Q. Yang, and S. R. Wickramasinghe. "Responsive Membranes for Water Treatment." Presented at the 6th Sino-U.S. Joint Conference of Chemical Engineering, Beijing, China, November 7-10, 2011. First presented at the 241<sup>st</sup> American Chemical Society National Meeting and Exposition, Anaheim, CA, March 27-31, 2011.

**Jang, G.** and D. K. Roper. "Balancing Redox Activity Allows Spectrophotometric Detection of Au(I) Using Tetramethylbenzidine Dihydrochloride." Presented at the American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

**Jenner, E.**, A. Busick., and S. L. Servoss. "Synthesis of Peptoid N-LfB6 for Use as an Antimicrobial." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Jernigan, Alice** and Christa Hestekin. "Algae Genotyping for Biofuel Production." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

Yao, H., Ye, K., and **Jin, S.** "Enhanced human embryonic stem cell proliferation and differentiation by physicochemical cues". TERMIS-NA December 2011 Houston, TX.

**Jin, S.**, K. Ye, "Building 3D Tissue engineered scaffolds for soft tissue regeneration". 2011 Materials Research Society fall November 28 - December 2, Boston.  
Peterson, K., Yao, H., Wang, W., Melkounian, Z., Ye, K., and Jin, S. "Quantitative Analysis of Motility of Human Pluripotent Stem Cells on Various Surfaces". BMES 2011, October 12-15, Hartford, CT.

Yao, Y., **S. Jin**, K. Ye, Melkounian, Z. "Synthetic surface for human iPS cell expansion in defined medium". BMES 2011, October 12-15, Hartford, CT.

Ramey, L., Y. Yao, K. Ye, **S. Jin**, "Proliferation and metabolism of human pluripotent stem cell grown on membrane substrates". BMES 2011, October 12-15, Hartford, CT.

Wang, W., **S. Jin**, K. Ye., "The Enhancement of Lineage Specification of Human Embryonic Stem Cells by 3D Niches". BMES 2011, October 12-15, Hartford, CT.

Yao, H., K. Ye, **S. Jin**, "Niches for Human Embryonic Stem Cell Proliferation and Differentiation". Annual ABI Fall Research Symposium, September 21, 2011. Little Rock, AR.

**Jin, S. K. Ye.**, “Topography stimulation for directing human embryonic stem cell lineage specification”, BIT 1st Annual World Congress of Molecular & Cell Biology, August 6-8, 2011, Beijing, China

**Jin, S.**, Y Yao, Z. Melkounian, K. Ye , “Expansion of human iPS cells on xeno-free, synthetic surface in defined medium” .Proceeding of International Society for Stem Cell Research, 175. June 15-18, 2011, Toronto, Canada.

Rutledge, K. E., H. Yao, K. Ye, **S. Jin.**, “Generation of pancreatic  $\beta$ -cells from human embryonic stem cells/Induced pluripotent stem cells.” The 18th Annual Arkansas Undergraduate Research Conference, Henderson State University, April 1-2, 2011.

Veetil, J.V., **S. Jin**, K. Ye, “Creation of a panel of glucose indicator proteins for continuous glucose monitoring”, 241st American Chemical Society Spring Annual Meeting, March 27-31, 2011, Anaheim, CA

Plenary speaker: **Jin, S.**, and K. Ye, “Building 3D Tissue engineered scaffolds for soft tissue regeneration”. Materials Research Society fall November 28 - December 2, 2011 Boston.  
Invited speech: Jin, S. “Value of Hela cells for Biomedical Engineering research” April 7, 2011 Cox College, MO.

Yao, H., K. Ye, and **S. Jin**, “Enhanced human embryonic stem cell proliferation and differentiation by physicochemical cues”. TERMIS-NA December 2011 Houston, TX.

Peterson, K., Yao, H., Wang, W., Melkounian, Z., Ye, K., and Jin, S. “Quantitative Analysis of Motility of Human Pluripotent Stem Cells on Various Surfaces”. BMES 2011, October 12-15, Hartford, CT.

Yao, Y., **S. Jin**, S., K. Ye., Z. Melkounian, “Synthetic surface for human iPS cell expansion in defined medium”. BMES 2011, October 12-15, Hartford, CT.

Ramey, L., Y. Yao, K. Ye, and **S. Jin.**, “Proliferation and metabolism of human pluripotent stem cell grown on membrane substrates”. BMES 2011, October 12-15, Hartford, CT.

Wang, W., **Jin, S.**, Ye K. “The Enhancement of Lineage Specification of Human Embryonic Stem Cells by 3D Niches”. BMES 2011, October 12-15, Hartford, CT.

Yao, H., K. Ye, and **S. Jin**, “Niches for Human Embryonic Stem Cell Proliferation and Differentiation”. Annual ABI Fall Research Symposium, September 21, 2011. Little Rock, AR.

**Jin, S.** and K. Ye, “Topography stimulation for directing human embryonic stem cell lineage specification”, BIT 1st Annual World Congress of Molecular & Cell Biology, August 6-8, 2011, Beijing, China

**Jin, S.**, Y. Yao, , Z. Melkounian, and K. Ye , “Expansion of human iPS cells on xeno-free, synthetic surface in defined medium” .Proceeding of International Society for Stem Cell Research, 175. June 15-18, 2011, Toronto, Canada.

Rutledge, K. E., H. Yao, K. Ye, and **S. Jin.**, “Generation of pancreatic  $\beta$ -cells from human embryonic stem cells/Induced pluripotent stem cells.” The 18th Annual Arkansas Undergraduate Research Conference, Henderson State University, April 1-2, 2011.

Veetil, J.V., **S. Jin**, and K. Ye, “Creation of a panel of glucose indicator proteins for continuous glucose monitoring”, 241st American Chemical Society Spring Annual Meeting, March 27-31, 2011, Anaheim, CA



Kotagiri, N., J.S. Lee, and **J.-W. Kim**. 2011. Selective Pathogen Targeting and Macrophage Evading Carbon Nanotubes Through Dextran Sulfate Coating and PEGylation. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics, Jeju, Korea.

Kim, J.-H. R. Deaton, and **J.-W. Kim**. 2011. DNA-Modulated Plasmonic Nano-Composite Probes for Medical Theranostics. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics, Jeju, Korea.

Judkins, J., H.H. Lee, S. Tung, and **J.-W. Kim**. 2011. Diffusion of Single-Walled Carbon Nanotube Under Physiological Conditions. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED) and Biotronics, Jeju, Korea.

**Kim, J.-W.** J.-H. Kim, and R. Deaton. 2011. Programmable DNA-Linked Nanoparticle Building Blocks to Self-Assemble Nanostructures with Arbitrary, Anisotropic Shapes in All Dimensions. the 17<sup>th</sup> International Meeting on DNA Computing (DNA 17), Pasadena, CA.

**Kim, J.-W.,** J.-H. Kim, and R. Deaton. 2011. Programmable DNA-Linked Nanoparticle Building Blocks to Self-Assemble Nanostructures with Arbitrary, Anisotropic Shapes in All Dimensions. Arkansas Biosciences Fall Symposium, Little Rock, AR.

**King, J. W.,** J. Phomakay, K. Steelman, and M. Rowe. “Supercritical Extraction for the Removal of Lipid and Interfering Compounds Prior to Radiocarbon Dating of Archeological Artifacts.” Presented at the 102<sup>nd</sup> American Oil Chemists’ Society Annual Meeting, Cincinnati, OH, May 1-4, 2011.

**King, J. W.,** review of *Esterification: Methods, Reaction, and Application*, J. Otera and J. Nishikido (eds.), *INFORM* 22, no. 294 (2011).

**Lau, C.,** K. Bunnell, E. C. Clausen, and D. J. Carrier. “Dilute Acid Hydrolysis of Xylose Oligomers Fractionated by Centrifugal Partitioning Chromatography.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Lau, C.,** K. Bunnell, E. M. Martin, E. C. Clausen, and D. J. Carrier. “Mass Balance Closure of Xylose Oligomers during Total Xylose Content Analysis.” Presented at the American Society of Agricultural and Biological Engineers Annual International Meeting, Louisville, KY, August 8-10, 2011. First presented at the Graduate Research Poster Competition, University of Arkansas, Fayetteville, AR, February 2011.

Bai, H., R. Wang, T. Jiang, Y. Kwon, and **Y. Li**. 2011. Aptamer-based SPR biosensor for detection of avian influenza virus. A poster presented at IBE 2011 annual meeting, March 3-5, 2011, Atlanta, GA. *Winner of the Graduate Student Travel Award of IBE 2011 Annual Meeting.*

**Li, Y.,** R. Wang, S. Tung, B. Hargis, H. Lu, T. Huang and L. Berghman. 2011. A nano-biosensor for rapid screening of avian influenza virus H5N1 in poultry swab samples. Presented at 2011 International Symposium on Applications of Nanotechnology and Biosensors in Food and Agriculture, April 14-17, 2011, Hangzhou, China.

**Li, Y.** 2011. Advanced biosensing technology and its role in agricultural information and equipment. Presented at 2011 Yangling International Agri-Science Forum: Modern Agricultural Information and Equipment, November 5-7, 2011, Yangling, China.

Lin, J., J. Lum, R. Wang, S. Tung, B. Hargis, **Y. Li**, H. Lu and L. Berghman. 2011. A portable impedance biosensor instrument for rapid detection of avian influenza virus. Presented at 2011 International Symposium on Applications of Nanotechnology and Biosensors in Food and Agriculture, April 14-17, 2011, Hangzhou, China.

Lin, J., C. Ruan, R. Wang, and **Y. Li**. 2011. Immunomagnetic nanoparticles based electrochemical biosensor instrument for quantitative detection of foodborne pathogenic bacteria. Presented at PITTCON 2011 Annual Meeting, March 13-18, 2011, Atlanta, GA. Poster No. 910-11P.

Lum, J., R. Wang, Tieshan Jiang, and **Y. Li**. 2011. In vitro selection of aptamers against avian influenza subtype H7. Presented at the 2011 Joint Annual Meeting of PSA and AAAP, July 16-19, St. Louise, MS.

Wang, H., **Y. Li**, M. Slavik and J. Lum. 2011. Rapid detection of *Campylobacter jejuni* using quantum dots and nanobeads based optical biosensor. Presented at the 2011 Joint Annual Meeting of PSA and AAAP, July 16-19, St. Louise, MS. Paper #419.

Wang, R., **Y. Li**, X. Mao, T. Huang, and H. Lu. 2011. Nanowire switch and nanoelectrode based impedance biosensor for rapid screening of avian influenza virus. A poster presented at IBE 2011 annual meeting, March 3-5, 2011, Atlanta, GA.

Wang, R., C. Ruan, J. Zhao, J. Lin, and **Y. Li**. 2011. Aptamer hydrogel based QCM biosensor for detection of avian influenza virus. Presented at PITTCON 2011 Annual Meeting, March 13-18, 2011, Atlanta, GA. Poster No. 910-3P.

Xu, X., Y. Ying, **Y. Li**. 2011. One-step and label-free detection of alpha-fetoprotein based on aggregation of gold nanorods. Presented at Eurosensors 2011, Athens, Greece, September 4-6, 2011. Paper No. 1135.

Yan, X.F., M.H. Wang, D. An, J. Lin, R. Wang, and **Y. Li**. 2011. A high-gradient magnetic separation system for separating magnetic nanobeads from aqueous solution. Presented at ChinaNANO 2011 International Conference on Nanoscience & Technology, Beijing, China, September 6-9, 2011. Paper No. 5P-073.

**Liang, Y.**, K. VanDevender, and G.T. Tabler. 2011. Vegetative shelterbelts on poultry farms for air emission management. University of Arkansas Cooperative Extension Service Fact sheet FSA1071

**Liang, Y.**, G.T. Tabler, W. Reynolds R. Starkweather, K.N Jensen. 2011 Heat Recovery Ventilators in a Broiler House to Reduce Energy Use. ASABE Annual Meeting Paper Number 1110595, St. Joseph, Mich.: ASABE

Fanatico, A.C., J.A. Mench, G.S. Archer, **Y. Liang**, V. B. Brewer, Owens, C.M., and A. M. Donoghue 2011. Effect of Simulated Agroforestry Structures on Performance and Behavior of Organic Meat Chickens, 30<sup>th</sup> Poultry Science Symposium. Alternative Systems for Poultry- Health, Welfare and Productivity, *University of Strathclyde, Glasgow, Scotland September 9, 2011 (International)*

Lei, M., **Y. Liang**, J. Payne, C. Penn, S. Watkins, K. VanDevender. 2011 Systematic evaluation of in-house broiler litter windrowing effects on production benefits and environmental impact. Arkansas Section of ASABE meeting, October 7, 2011 (State)

**Loewer, Otto J.**, Using Historical Timeline, Population and Demographic Data to Support Latesvology as a Valid Conceptual Model for Describing the Linkages among Technology, Economics and Societal Values”. Science in Society annual international meeting. Washington, DC. July 2011.

**Lu, Y-W.**, K. Srinivas, O. Guevara, Y-J. Wang, and J. W. King. “Production of Sugars from Corn Stover Using Reactive Carbonated Hot Water Pretreatment Prior to Enzymatic Sacharification.” Presented at the 56<sup>th</sup> American Chemical Society Annual Pentasectional Meeting, Bartlesville, OK, March 12, 2011.

**Matlock, M.** Investing in a Better Future. *Resource*, p. 28, September, 2011. Research magazine for the American Society of Agricultural and Biological Engineers.

**McAtee, A.**, T. Potts, J. Hestekin, and R. Beitle. “Hollow Fiber Membranes for Direct Carbon Dioxide Addition in Algae Raceways for Butanol Production.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Meller, R. D.**, Y.-H. Lin, “Optimizing Standard Container Size Selection in the Physical Internet Initiative.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Meller, R. D.**, J. A. Pazour, “Inventory Policy Decisions and Warehouse Operational Costs at Medline Industries.” CELDi Poster Session, CELDi Spring Meeting, April 2011, Denver, CO

**Meller, R. D.**, L. Thomas, “Decision Support for Warehouse Design.” CELDi Poster Session, CELDi Fall Meeting, October 2011, Chicago, IL

**Meller, R. D.**, L. Thomas, “Design of Medline’s Picking Modules.” CELDi Poster Session, CELDi Spring Meeting, October 2011, Chicago, IL

**Meller, R. D.**, L. Thomas, “Distribution Center Shape and Dock Door Configuration.” 2011 Industrial Engineering Research Conference, May 2011, Reno, NV

**Meller, R. D.**, “Update on CELDi Center-Designated Project on “Decision Support for Warehouse Design.” Industrial Advisory Board Meeting, CELDi Fall Meeting, October 2011, Chicago, IL

**Milburn, A. B.**, B. Thompson, “Reducing length of stay for congestive heart failure patients.” International Annual Conference for Society for Engineering Management, 2011, Lubbock, TX

**Milburn, A. B.**, J. Spicer, and M. Hewitt, “Impact of remote monitoring technologies on home health nurse routing.” Industrial Engineering Research Conference, 2011, Reno, NV

**Milburn, A. B.**, J. Spicer, and S. J. Mason, “Patient and nurse considerations in home health routing with telehealth devices.” Institute for Operations Research and Management Sciences Conference, 2011, Charlotte, NC

**Milburn, A. B.**, M. Hewitt, “Estimating the value of remote monitoring systems.” Institute for Operations Research and Management Sciences Conference Health Conference, June 2011, Montreal Canada

**Milburn, A. B.**, M. Hewitt, “Home health care scheduling and routing.” Institute for Operations Research and Management Sciences Conference Health Conference, June 2011, Montreal Canada

**Milburn, A. B.**, S.J. Mason, and B. Kamali, “Characterizing the home healthcare supply chain.” Industrial Engineering Research Conference, 2011, Reno, NV

**Milburn, A. B.**, S.J. Mason, and B. Kamali, “Characterizing the home healthcare supply chain.” Society for Health Systems Conference, 2011, Orlando, FL

**Milburn, A. B.**, S.J. Mason, and J. Spicer, “How do home health nurses spend their time?.” Institute for Operations Research and Management Sciences Conference, November 2011, Charlotte, NC

**Milburn, A. B.**, Y.S. Lin, and A.E. Erera, “Multi-scenario heuristics for a dynamic traveling salesman problem with fixed appointment times.” Institute for Operations Research and Management Sciences Conference, 2011, Charlotte, NC.

**Moreland, Hannah**, McKinzie Fruchtl, Robert R. Beitle, and Joshua Sakon. “Collagen Binding Domain Fusion Proteins for Therapeutics: Fermentation and Isolation.” Presented at the American

Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Moreland, Hannah**, McKinzie Fruchtl, Robert R. Beitle, and Joshua Sakon. "Collagen Binding Domain Fusion Proteins for Therapeutics: Expression and Isolation." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Nachtmann, H.**, S. Apres, "Leveraging Retail Supply Chain Knowledge in Healthcare Logistics." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, E. Evans, and K. L. Needy, "A Look into the Engineering Economy Classroom (previously reported in 1.6)." American Society for Engineering Education Annual Conference, June 2011, Vancouver, BC

**Nachtmann, H.**, E. Evans, and K. L. Needy, "How Industrial Engineers are Teaching Engineering Economy." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, L. Farrokhvar, "Designing an Inland Waterways Emergency Response System Using Goal Programming." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, L. Farrokhvar, "Measuring the Feasibility of Inland Waterway Emergency Response." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, M. Kilgore, "How Much is the Healthcare Supply Chain Costing Us." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, L. M. Pohl, "Supporting Secure and Resilient Inland Waterways." Maritime Risk Symposium, November 2011, New Brunswick. NJ

**Nachtmann, H.**, L. M. Pohl, "Sustaining Resilient Inland Waterways via Renewable Energy." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, B. K. Smith, "An Investigation of the Healthcare Supply Chain: Literature Review." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, J. Tong, "A Review of Risk Assessment Models for Inland Waterway Transportation." Institute of Industrial Engineers Annual Conference, May 2011, Reno, NV

**Nachtmann, H.**, J. Tong, "Cargo Prioritization for Inland Waterway Disruptions." Institute for Operations Research and Management Sciences Conference, November 2011, Charlotte, NC

**Naseem, H.** was invited by the District Chapter of the Ahmadiyya Youth Association to give a talk on Islam and Science at the Ahmadiyya Center, Kannoore, Kerala, June 6, 2011.

**Nutter, D.**, G. Thoma, R. Ulrich, G. Norris, F. Milani, and D. Summer. "Comprehensive LCA for Cheese and Whey Products." Presented at the Global Cheese Technology Forum, Reno, NV, October 10-12, 2011.

**Park, C.**, A. Lopez, and J. Hestekin. "Organic Acid Separations for Fermentation Applications Using Electrodialysis." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Penney, W. Roy.** "46 Years of Mixing Research Applied to Practical Applications." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Phomakay, J. P.**, S. Mori, K. Srinivas, and J. W. King. "Recovery of Carbochemicals from Aqueous Biomass Hydrolyzates Using Critical Fluid Carbon Dioxide." Presented at the Joint 46<sup>th</sup>

Midwest Regional American Chemical Society Annual Meeting, St. Louis, MO, October 19-22, 2011.

**Potts, T.**, M. Ackerson, and J. Hestekin. “The Production of Fuel Grade Butanol from Algal Carbohydrates Utilizing a Hybrid Biological and Chemical Process.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Pryor, Elizabeth**, Melissa Moss, and Christa Hestekin. “The Use of Microchannel Electrophoresis to Understand Amyloid Aggregation.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Qian, X.** “Mechanisms and Energetics for Acid Catalyzed Glucose Conversion to 5-Hydroxymethylfurfural.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Qian, X.**, M. R. Nimlos, D. K. Johnson, and M. E. Himmel. “The Effects of Water on Sugar Reactions.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Roper, D. K.** “Plasmon Active Nanostructures for Advanced Solar Photovoltaics.” Presented at the Arkansas National Science Foundation EPSCoR Annual Meeting, Heber Springs, AR, July 28-28, 2011.

**Roper, D. K.** and C. Carter. “Plasmon Enhanced Pervaporation from Polydimethylsiloxane (PDMS) Decorated with Gold Nanoparticles.” Presented at the National Science Foundation Research Experience for Undergraduates Program in Cell and Molecular Biology, Fayetteville, AR, July 8, 2011.

**Roper, D. K.**, G-G. Jang, and B. Harbin. “Plasmon Enhanced Nanoscale Metamaterial Sensors.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Russell, A.**, M. McKnight, J. Hestekin, and D. K. Roper. “Scalable Prediction of Plasmon Heating in Open, Gold Nanoparticle Plated Silica Capillaries Filled with Aqueous and Organic Fluids.” Presented at the American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Bajwa, S.G., **D. Saraswat**, S. Kulkarni, L. Espinoza, and T. Griffin. 2011. Precision Agriculture in Arkansas. In *2011 NCERA-180 Annual Meeting*, Little Rock, AR, March 23-25.

**Saraswat, D.** 2011. Mobile devices- What’s in store for you? In *Delta District Ag Session*, Stuttgart, AR, March 29.

**Saraswat, D.** and N. Pai. 2011. SWAT2009\_LUC: A Tool to Activate Land Use Change in SWAT2009. In *2011 SWAT International Conference*, Toledo, Spain, June 16.

Pai, N., **D. Saraswat**, M. White, and M. Daniels. 2011. Evaluation of New Vegetative Filter Strip Algorithm on a Pasture Dominated Arkansas Watershed. In *2011 ASABE Annual International Meeting*, Louisville, KY, August 7-10.

**Saraswat, D.**, A. Wiedower, and A. Ladha. 2011. App Development for Mobile Devices: Challenges, Opportunities, and Examples. In *2011 ASABE Annual International Meeting*, Louisville, KY, August 7-10.

Traywick, D. and **D. Saraswat**. 2011. Integrating Geospatial and Sensor Technologies for Helping Arkansas Farmers. In *2011 Arkansas GIS User’s Symposium*, Bentonville, AR, August 29-September 2.

Hancock, B., N. Pai, and **D. Saraswat**. 2011. Comparison of NEXRAD and raingage precipitation estimates in an Arkansas watershed. In *2011 Arkansas GIS User's Symposium*, Bentonville, AR, August 29-September 2

**Saraswat, D.**, D. Radcliffe, F. Henning, J.A. Sallee, J.L. Peterson, M. Silitonga, M.D. Smolen, R. Faucett, S.O. Dennis, S.S. Panda, T. Tsegaye, T. Sweeney, and W. Tadasse. 2011. Watershed Assessment Tools for Extension and Research (W.A.T.E.R)- A Stakeholder- driven, multistate initiative in the southern region. In *2011 Land Grant and Sea Grant National Water Conference*, Washington D.C., January 31 to February 1.

Pai, N. and **D. Saraswat**. 2011. StreBanD- A Graphical User Interface for Streambank Delineation Using Existing Imagery. In *ASPRS 2011 Annual Conference*, Milwaukee, WI, May 1-5.

**Saraswat, D.** 2011. New Developments- Web Apps and Aerial Imagery Platform. In *2011 Arkansas Rice Expo*, Rice Research and Extension Center (RREC), Stuttgart, AR, August 4.

**Saraswat, D.**, N. Pai, and M. Daniels. 2011. Spatial optimization of best management practices using a hydrological model and artificial intelligence technique. In *2011 Southern Region Water Quality Conference*, Athens, GA, September 13-16

J. Proctor, C. Peter and **R.P. Selvam** (2011), The Use of Solar Heating to Improve the Efficiency of Household Heating, Freshman honors research, Proceedings of the 3rd Annual FEP Honors Research Symposium

N.H. Alrasheedi and **R. P. Selvam** (2011), Tornado forces on different building sizes using computer modeling, 2011 ECTC Proceedings, ASME Early Career Technical Conference Hosted by ASME District E and University of Arkansas, March 31-April 02, 2011, Fayetteville, AR.

**R.P. Selvam** (2011), Solar thermal energy & thermal management, April 27, Air Force Base, Little Rock, AR

**R.P. Selvam** and M. Hale (2011), Development and performance evaluation of high temperature concrete for thermal energy storage for solar power generation, US Department of Energy CSP Program Review, Golden, CO, May 17-19.

**Servoss, S. L.**, D. Shah, and J. P. Turner. "Mimicking Antibodies: Peptoid-Based Affinity Reagents." Presented at the American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

**Servoss, S. L.**, J. Born, and M. Hebert. "Peptoid Based Slide Coatings for Disease Detection via ELISA Microarray Analysis." Presented at the American Institute of Chemical Engineers National Meeting, Minneapolis, MN, October 2011. First presented at the Southeast Regional IDeA Meeting, New Orleans, LA, September 22-24, 2011.

**Specking, E.** and E.C. Clausen. "Engineering Outreach: A Summer Program Approach." Presented at the American Society for Engineering Education Midwest Section Annual Conference, Russellville, AR, September 28-30, 2011.

**Srinivas, K.** and J. W. King. "Binary Diffusion Coefficients of Biomass-Based Carbochemicals in Subcritical Water Using a Chromatographic Peak Broadening Technique." Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Srinivas, K.** and J. W. King. "Critical Fluid Carbon Dioxide as a Cleaning Agent — Optimization and Use." Presented at the 102<sup>nd</sup> American Oil Chemists' Society Annual Meeting, Cincinnati, OH, May 1-4, 2011.

**Thoma, Greg.** “Carbon Footprint of a Dairy Feed Mill in the U.S.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Thoma, Greg.** “Greenhouse Gas Emissions Reduction Strategies for U.S. Dairy.” Presented at Agriculture’s Conference on the Environment, Lansing, MI, January 27, 2011.

**Thoma, Greg.** “Metrics for Sustainable Agriculture: Lessons Learned from U.S. Dairy.” Presented at the Animal Agriculture Sustainability Summit, Atlanta, GA, January 25, 2011.

**Thoma, Greg.** “Water Quality Impacts from U.S. Dairy.” Presented at the Dairy Research Institute Sustainability Workgroup, Chicago, IL, September 8, 2011.

**Thoma, Greg.** “Comprehensive LCA for Cheese and Whey Products.” Presented at the Global Cheese Technology Forum, Reno, NV, October 11-12, 2011.

**Thoma, Greg.** “Cradle to Farm Gate Simplified GHG Impact Assessment of Milk Production in the U.S.” Presented at the American Center for Life Cycle Assessment LCA XI, Chicago, IL, October 3-6, 2011.

**Thoma, Greg.** “GHG Emissions in U.S. Dairy.” Presented at the FAO Sustainable Animal Agriculture Workgroup, Rome, Italy, March 28, 2011.

**Thoma, Greg.** “Initial LCA for Conventional Broiler Production.” Presented at the Poultry Science Association Annual Conference, St. Louis, MO, July 16-19, 2011.

**Thoma, Greg.** “LCA for Liquid Milk in U.S. Dairy.” Presented at the National Cattlemen’s Beef Association, Denver, CO, February 3, 2011.

**Thoma, Greg.** “Local and National Life Cycle Impacts of U.S. Dairy Production.” Presented at the American Center for Life Cycle Assessment LCA XI, Chicago, IL, October 3-6, 2011.

**Thoma, Greg.** “Measuring Sustainability in U.S. Dairy.” Presented at the International Dairy Show, Atlanta, GA, September 20, 2011.

**Thoma, Greg.** “Metrics for Sustainable Agriculture.” Presented at the Prince of Wales Sustainability Metrics Workshop, Atlanta, GA, May 10, 2011. First presented at the 8<sup>th</sup> Annual BIGMAP Symposium, Ames, IA, April 19, 2011.

**Thoma, Greg.** “Metrics for Water Stress for U.S. Dairy.” Presented at the Dairy Research Institute Sustainability Council Meeting, Chicago, IL, May 25, 2011.

**Thoma, Greg.** “PCR Harmonization.” Presented at the American Center for Life Cycle Assessment LCA XI, Chicago, IL, October 3-6, 2011.

**Thoma, Greg.** “The Role of Feedstocks in GHG Emissions in U.S. Dairy.” Presented at the FAO Sustainable Crop Agriculture Workgroup, Rome, Italy, March 30, 2011.

**Thoma, Greg.** “The Sustainability Consortium’s Measurement and Reporting System.” Presented at the American Center for Life Cycle Assessment LCA XI, Chicago, IL, October 3-6, 2011.

**Thoma, Greg.** “TSC Activities and Opportunities for Collaboration.” Presented at Berlin Technical University, Berlin, Germany, June 2, 2011. First presented at the Swiss Federal Institute, Zurich, Switzerland, May 23, 2011.

**Thoma, Greg.** “U.S. Agriculture’s Impact on GHG Emissions.” Presented at the National Corn Growers Association Sustainability Committee Meeting, Portland, OR, March 19, 2011.

**Thoma, Greg.** “Water Resource Impact from U.S. Dairy Production.” Presented at the American Center for Life Cycle Assessment LCA XI, Chicago, IL, October 3-6, 2011.

**Thoma, Greg.** “Water Use for U.S. Agriculture: A Case Study with U.S. Dairy.” Presented at the European Union Environmental Protection Agency Workgroup on Water Quality, Copenhagen, Denmark, March 4, 2011.

Bartlow, Patrick R., **Neha Tiwari**, Robert R. Beitle, and Mohammad M. Ataii. “Evaluation of *Escherichia coli* Proteins that Burden Recombinant Protein Purification on Inexpensive, Non-Affinity-Based Resins.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Turner, J. P.**, J. Herrera, A. Compean, and S. L. Servoss. “Peptoids: A Potential Therapeutic Agent Against Alzheimer's Disease.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

Philipp, D., K. Teaque, **K. VanDevender**. Beef Cattle Management for Water Quality Protection in Arkansas. MP375-PD-3-11RV. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

Liang, Y. **K. VanDevender**, T. Tabler. Vegetative Shelterbelts on Poultry Farms for Air Emission Management. FSA1071-PD-4-11N. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

Sadaka, S., **K. VanDevender**, T. Costello, M. Sharara. Partial Composting for Biodrying Organic Materials FSA1055-PD-4-11N. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

Sharpley, A., M. Daniels, **K. VanDevender**, P. Moore, B. Haggard, N. Slaton, and C. West. Using the 2010 Arkansas Phosphorus Index. MP487-PD-5-11RV. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

Daniels, M., **K. VanDevender**. Improving Home Water Quality. MP292-PD-9-11RV. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**VanDevender, K.**, S. Watkins, J. Burr. Two-Stage Poultry - Daily Management Is Essential. FSA1045-PD-9-11N . University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**VanDevender, K.** Grain Drying Concepts and Options. FSA1072-PD-10-11N. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**VanDevender, K.** Liquid Manure Solids Management. FSA1041-PD-11-11RV. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

Daniels, M., A. Sharpley, **K. VanDevender**, P. Fisk, A. Baber. Understanding Nutrient Management Laws for Turf Grass, Lawn Care and Landscaping. FSA9532-PD-12-11N. University of Arkansas Cooperative Extension Service. Little Rock, AR 72204.

**VanDevender, K.** Runoff Water Management for Animal Production and Environmental Protection. FSA1036-PD-12-11RV.

**VanDevender, K.**, S. Sadaka, T. Costello. Sealed Poultry Litter Bag Storage: A Promising Innovation. Southern Region Water Conference “Innovations and Partnerships for Clean Water”. Athens, GA. September 12-16 2011. Presentation.



**VanDevender, K.**, S. Sadaka, T. Costello. Sealed Poultry Litter Bag Storage: A Promising Innovation. Southern Region Water Conference “Innovations and Partnerships for Clean Water”. Athens, GA. September 12-16 2011. Poster.

**VanDevender, K.**, S. Sadaka, T. Costello. Trailer Mounted Manure Solids Separation Research/Demonstration Lab. . Southern Region Water Conference “Innovations and Partnerships for Clean Water”. Athens, GA. September 12-16 2011. Poster.

**Wagner, M.** and D. K. Roper. “Cost Effective Fabrication of Cm-Scale Ordered Au NP Array by Thermal Nanoimprint Lithography.” Presented at the George Washington Carver Research Program, University of Arkansas, Fayetteville, AR, July 8, 2011.

**Weaver, J.**, S. M. Husson, and S. R. Wickramasinghe. “Examination of Commercial Anion-Exchange Membrane Adsorbers for Use in Biopharmaceutical Drug Purification.” Presented at the International Congress on Membranes and Membrane Processes, Amsterdam, The Netherlands, July 23-29, 2011.

**Wickramasinghe, S. R.**, D. J. Schell, and D. L. Grzenia. “Integration of Membrane Based Extraction Process into a Lignocellulosic Biorefinery.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Wickramasinghe, S. R.**, X. Qian, H. H. Himstedt, and M. Ulbricht. “Responsive Membranes for Water Treatment.” Presented at the American Institute of Chemical Engineers Annual Meeting, Minneapolis, MN, October 16-21, 2011.

**Williams, S.**, “Using Shingles in HMA: National Efforts and Agency Expectations”, Arkansas Quality Asphalt Conference, Arkansas Asphalt Pavement Association, Little Rock, Arkansas, January 6, 2011.

**Williams, S.**, “Roller Compacted Concrete: First Steps for Arkansas”, Arkansas Ready Mixed Concrete Association Spring Convention and Trade Show, March 11, 2011.

**Williams, S.**, “TRC-1101; Recycled Asphalt Shingles in Asphalt Pavements”, Transportation Research Committee, 92<sup>nd</sup> Meeting, Arkansas Highway and Transportation Department, North Little Rock, Arkansas, April 27, 2011.

**Williams, S.**, “Roller Compacted Concrete Research – TRC 1005 and TRC 1201”, Transportation Research Committee, 92<sup>nd</sup> Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, April 28, 2011.

**Williams, S.**, “Sustainability and Good Practices in Asphalt Paving”, 2011 APWA Spring Conference, Hot Springs, AR, May 12, 2011.

**Williams, S.**, “Permeable Asphalt Pavements”, Northwest Arkansas ASCE Branch Meeting, June, 1, 2011.

**Williams, S.**, “Good Construction Practices for Asphalt Paving”, 2011 APWA Fall Conference, Fayetteville, AR, Oct. 13, 2011.

**Williams, S.**, “Asphalt Shingles in Hot Mix Asphalt”, County Judges Association of Arkansas, 2011 County Road Seminar, October 18, 2011.

**Williams, S.**, “Stormwater Management Training and Certification”, Stormwater Compliance Group of Northwest Arkansas, Oct. 19, 2011.

**Williams, S**, “Hot Mix Asphalt Longitudinal Joint Evaluation & Construction”, TRC 0801, Transportation Research Committee, 93<sup>rd</sup> Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, Nov. 8, 2011.

**Williams, S**, “Investigation of Warm Mix Asphalt Design – TRC 1004”, Transportation Research Committee, 93<sup>rd</sup> Annual Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, Nov. 8, 2011.

**Williams, S**, “CTTP Overview”, Annual Advisory Board Meeting, Mack Blackwell Rural Transportation Center, Fayetteville, AR, November 17, 2011.

**Williams, S**, CTTP Annual Review Presentation, CTTP Advisory Board Meeting, December 12, 2011.

**Williams, S**, “ASTM and RCC”, The Concrete Producer Update, December Newsletter, 2011.

**Yang, T.**, J. Hutson, J. W. King, K. Srinivas, D. Spearot, and P-H. A. Huang. “Supercritical CO<sub>2</sub>-Induced Swelling of a PDMS-Cu Matrix.” Presented at the American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition, Denver, CO, November 11-17, 2011.

Jin, S. and **K. Ye**, “Topography stimulation for directing human embryonic stem cell lineage specification”, BIT 1st Annual World Congress of Molecular & Cell Biology, August 6-8, 2011, Beijing, China

Jin, S. and **K. Ye**, “Building 3D tissue engineered scaffold for soft tissue regeneration”, Symposium at 2011 Materials Research Society Fall Meeting, Nov. 28-Dec 2, 2011, Boston.

Jin, S., Yao, H., Melkounian, Z., **K. Ye**, “Expansion of human iPS cells on xeno-free, synthetic surface in defined medium”, the 9th Internal Society for Stem Cell Research Annual Meeting, June 15-18, 2011, Toronto, Ontario, Canada.

Wang, W., S. Jin, **K. Ye**, “The Enhancement of Lineage Specification of Human Embryonic Stem Cells by 3D Niches”, 2011 Biomedical Engineering Society Annual Meeting, October 12-15, 2011 Harford, CT

Yao, H. S. Jin, **K. Ye**, Melkounian, Z. “Synthetic substrate surface for human ips cell expansion” 2011 Biomedical Engineering Society Annual Meeting, October 12-15, 2011 Harford, CT

Veetil, J.V., S. Jin, and **K. Ye**, “Creation of a panel of glucose indicator proteins for continuous glucose monitoring”, 241st American Chemical Society Spring Annual Meeting, March 27-31, 2011, Anaheim, CA

Jin, S., J. Earls, A. Haukas, **K. Ye**, “Mechanobiology of stem cell lineage-specific differentiation”, 2011 Asia Congress on Biotechnology, May 11-15, 2011, Shanghai, China

Jin, S., **K. Ye**, “Building 3D Tissue Engineered Scaffolds for Soft Tissue Regeneration” Symposium of Biomaterials for Tissue Engineering, 2011 Materials Research Society, Boston, MA, November 28-December 2, 2011

Jin, S., **K. Ye**, “Topography stimulation for directing human embryonic stem cell lineage specification”, BIT 1st Annual World Congress of Molecular & Cell Biology, August 6-8, 2011, Beijing, China

Jin, S., **K. Ye**, “Building 3D tissue engineered scaffold for soft tissue regeneration”, Symposium at 2011 Materials Research Society Fall Meeting, Nov. 28-Dec 2, 2011, Boston.

Jin, S., H Yao, Z. Melkounian, **K. Ye**, “Expansion of human iPS cells on xeno-free, synthetic surface in defined medium”, the 9th Internal Society for Stem Cell Research Annual Meeting, June 15-18, 2011, Toronto, Ontario, Canada.

Wang, W., S. Jin, **K. Ye**, “The Enhancement of Lineage Specification of Human Embryonic Stem Cells by 3D Niches”, 2011 Biomedical Engineering Society Annual Meeting, October 12-15, 2011 Harford, CT

Yao, H. S. Jin, **K. Ye**, Melkounian, Z. “Synthetic substrate surface for human ips cell expansion” 2011 Biomedical Engineering Society Annual Meeting, October 12-15, 2011 Harford, CT

Veetil, J.V., S. Jin, and **K. Ye**, “Creation of a panel of glucose indicator proteins for continuous glucose monitoring”, 241st American Chemical Society Spring Annual Meeting, March 27-31, 2011, Anaheim, CA

Jin, S., J. Earls, A. Haukas, **K. Ye**, “Mechanobiology of stem cell lineage-specific differentiation”, 2011 Asia Congress on Biotechnology, May 11-15, 2011, Shanghai, China

Jin, S. and **K. Ye**, “Building 3D Tissue Engineered Scaffolds for Soft Tissue Regeneration” Symposium of Biomaterials for Tissue Engineering, 2011 Materials Research Society, Boston, MA, November 28-December 2, 2011

Heffernan, M.J., **D. A. Zaharoff**, K. W. Hance, C.J. Rogers, J. Schlom, J.W. Greiner, Chitosan and Interleukin-12 Enhance the Antigen-Specific T Cell Response of a Protein-Based Vaccine, Society For Biomaterials Annual Meeting and Exposition, April 13-16, 2011, Orlando, FL. (Poster Presentation)

**Zaharoff, D.A.** Chitosan-based Particles for Cancer Vaccine and Immunotherapy Delivery, Third Arkansas Conference on Nanotechnology for Healthcare, April 7, 2011, Petit Jean, AR. (invited)

Vo, J.L.N, **D.A. Zaharoff**, Chitosan/Interleukin-12 Neoadjuvant Therapy for Control of Breast Cancer Metastasis, BMES Annual Conference, October 12-15, 2011, Hartford, CT. (Poster Presentation)

Koppolu, B., **D.A. Zaharoff**, Optimization of Chitosan Particles for Immunotherapy, BMES Annual Conference, October 12-15, 2011, Hartford, CT. (Poster Presentation)

Morton D., A. Alagoz, T. Karabacak, and **M. Zou**. “Friction Anisotropy of Tilted Mo Nanorods Fabricated by Glancing Angle Deposition.” STLE Annual Meeting and Exhibition, Atlanta, Georgia, May 2011.

Tidwell, W., D. Scott, H. Wang, R. Fleming, and **M. Zou**. “Nanoindentation Study of Deformation-resistant Core-shell Nanostructures.” STLE Annual Meeting and Exhibition, Atlanta, Georgia, May 2011.

Morehead J. and **M. Zou**. “Superhydrophilic Surface on Cu Substrate to Enhance Lubricant Retention.” STLE Annual Meeting and Exhibition, Atlanta, Georgia, May 2011.

Beckford S. and **M. Zou**. “PTFE Nanocomposite Thin Film on Stainless Steel Substrate for Friction and Wear Reduction.” STLE Annual Meeting and Exhibition, Atlanta, Georgia, May 2011.

Fleming R.A. and **M. Zou**. “Fabrication of Superhydrophilic and Superhydrophobic Surfaces on Titanium Substrates.” 38th International Conference On Metallurgical Coatings And Thin Films ICMCTF 2011, San Diego, California, May 2011.

Fleming R.A. and **M. Zou**. “Aluminum Films with Protruding Nanoislands by Thermal Evaporation.” 38th International Conference On Metallurgical Coatings And Thin Films ICMCTF 2011, San Diego, California, May 2011.

## **Other Creative Endeavors**

**Di, Jai** and Smith, S. C., *Ultra-Low Power Multi-Threshold Asynchronous Circuit Design*, U.S. Patent: 7,977,972 B2, July 12, 2011.

**El-Shenawee, Magda**: An invention disclosure on “Using Terahertz waves for the detection of bio-threat bacteria such as anthrax” was filed with the Technology Licensing Office (TLO) at the University of Arkansas. The university patent committee approved that the University takes assignment of the invention.

**Gattis, J. L.** *Arkansas 2011 Seat Belt, Child Restraint, and Motorcycle Helmet Use*, September 2011. Highway Safety Office, Arkansas State Police.

**Haggard, Brian E** , *Nutrient Criteria Development* – Organized with Thad Scott workshops for the New Mexico Environmental Department on statistical tools that maybe used to assist states with the development of nutrient criteria in streams, rivers, lakes and reservoirs

**Haggard, Brian E** , *Water Quality Trading* – Organized with Lisa Bacon and Mike Bastian (CH2M HILL) a workshop on the potential for water quality trading in the Illinois River Watershed, which included USEPA Region VI Water Branch Director Miguel Flores providing an EPA perspective on this topic relative to the future TMDL in the Illinois River

**Li, Y.**, and X. Su. 2011. Method for Detecting an Unknown Contaminant Concentration in a Substance. US Patent No. 7,939,343 B2, May 10, 2011.

EEWeb Spotlight Featured Engineer – **A. Mantooth**, Nov. 2011.  
<http://www.eeweb.com/spotlight/interview-with-alan-mantooth>

**Matlock, M.** Appointed Committee Member, Secretary of Agriculture’s AC21 Committee for the Future of Agriculture in the US, 2011-Present

**Matlock, M.** Executive Committee, The Keystone Alliance for Sustainable Agriculture, 2010-Present

**Matlock, M.** Chair, Measures and Metrics Committee, UN Foundation Solutions From The Land Initiative, 2010-Present

**Matlock, M.** Senior Science Advisor, Stewardship Index for Specialty Crops, 2009-Present.

**Matlock, M.** Advisory Committee, Alliance for Water Stewardship, 2010-Present

**Matlock, M.** National Science Foundation Biological Sciences REU Leadership Council, 2009 – Present

**Osborn, G. S.** , Technology Transfer (BlueInGreen, LLC commercialization of inventions from my research) closed successful \$2 million fundraising round, \$350,000 sales, new ozone invention successfully demonstrated in pilot study to make wastewater disinfection using ozone economically viable potential \$1.5 million sale in progress. Board Member, Chief Technology Officer.

**Saraswat, D.**, N. Pai, and M. Daniels. 2011. Geospatial Inventorying and Optimization Analysis for Best Management Practices (BMPs) in 12-digit HUC subwatersheds in L’Anguille River Watershed. Little Rock, AR: Arkansas Natural Resources Commission. Project # 08-900. pp.49. (Technical Report)

**Saraswat, D.**2011. Development of a Nutrient Balance Model for Bio-Energy Feedstocks. (4 quarterly reports to DoE).

Robbins, J, **D. Saraswat**, R. Ehsani, and J. Owen. 2011. Automation of plant inventory processes using an aerial systems approach. Final Report to Oregon Department of Agriculture, December.

**VanDevender, K.** Status Report: Sealed Poultry Litter Storage In Grain Bags, An Initial Investigative Project. September, 9, 2011 update. Brief project status summary for distribution to interested parties and potential funding sources.

**Varadan, V. K.** organized an International Conference and served as the Executive Chairman, Nano-, Bio-, and Info-Tech Sensors and Systems, San Diego, March 7-11, 2011.

**Varadan, V. K.** Organized an International Conference and served as the Track Chairman on Neurological and Cardiovascular Disorder, Global Congress on Nanoengineering for Medicine and Biology, Incheon, Korea, March, 2011.

**Wolchok, Jeff**, “Using growth factor conditioning to modify the properties of a cell derived biomaterial”, Biomedical Engineering Society Annual Meeting, Hartford, CT, Oct 2011.

**Wolchok, Jeff**, “Engineering the Human Body”, Sigma Xi, Fayetteville, Arkansas, Nov 2011.

**Wang, KCP**, and Hall, KD, “AHTD Cracking Protocol Application with Automated Distress Survey for Design and Management”, Final Report – Project MBTC 3016, Mack-Blackwell Transportation Center, University of Arkansas, Fayetteville, Arkansas, 2011.

### **Patents**

**Kim, J.-W.**, R. Deaton, & V. P. Zharov, Near-infrared responsive carbon nanostructures. US patent application No US 12/664,630.

**Kim, J.-W.**, R. Deaton, & J.-H.Kim, DNA-linked nanoparticle building blocks for nanostructure assembly and methods of producing the same. US provisional patent No 61/564,959.  
Tung, S. & **J.-W.Kim**, AFM nanochannel DNA sequencing. UAF No 12-04.

**Ye, K.** and Jin, S. (2010) “pH Insensitive Glucose Indicator Proteins”, US 12/902725 (published in April 2011)

## Howard Brill

### Publications:

ARKANSAS PROFESSIONAL AND JUDICIAL ETHICS (8th Edition, Arkansas Press, October 2010).  
2010 Supplement to ARKANSAS LAW OF DAMAGES (5th Edition) (November 2010).

### Lectures/Speeches/Presentations

*The Razorbacks, the NCAA and the Law, 1995-2010: Ethical Lessons for Lawyers*, Winter CLE, University of Arkansas School of Law, Fayetteville, Arkansas, February 2010.

*The Razorbacks, the NCAA and the Law, 1995-2010: Ethical Lessons for Lawyers*, Arkansas Trial Lawyers Association, Eureka Springs, Arkansas, May 2010.

*The Razorbacks, the NCAA and the Law, 1995-2010: Ethical Lessons for Lawyers*, Rose Law Firm, Little Rock, Arkansas, May 2010.

*The Razorbacks, the NCAA and the Law, 1995-2010: Ethical Lessons for Lawyers*, Arkansas Bar

Association Annual Meeting, Hot Springs, Arkansas, June 2010.

*Current Developments in Legal Ethics*, Trial Practice Seminar, Fayetteville, Arkansas, Arkansas, September 2010.

## Dustin Buehler

### Publications

*Baseball's Moral Hazard: Law, Economics, and the Designated Hitter Rule*, 90 B.U. L. Rev. 2083 (2010), with Steve P. Calandrillo.

*Congress Should Enact Year-Round Daylight Savings Time*, The Arkansas Record, Arkansas Law Review, <http://lawreview.law.uark.edu/congress-should-enact-year-round-daylight-saving-time.html>, November 2010.

### Lectures/Speeches/Presentations

*Baseball's Moral Hazard: Law, Economics and the Designated Hitter Rule*, American Law and Economics Association's 20

Annual Meeting, Woodrow Wilson School of Public & International Affairs, Princeton University, Princeton, NJ, May 2010.

*Baseball's Moral Hazard: Law, Economics and the Designated Hitter Rule*, David Wright Tremaine, LLP, Seattle, WA, June 2010.

*Casey at the Bat-and in the Field? An Economic Analysis of Baseball's Designated Hitter Rule*,

22nd Annual Cooperstown Symposium on Baseball and American Culture, National Baseball Hall of Fame, Cooperstown, NY, June 2010 (presented with Steve P. Calandrillo).

## **Carl Circo**

### **Publications**

*An Educational Partnership Mode/for Establishing, Structuring, and Implementing a Successful*

*Corporate Counsel Externship*, 17 Clinical L. Rev. 99 (2010).

*Real Estate Project Valuation and Underwriting-A Primer*, 2010 Ark. L. Notes 177.

*An Overview of Risk Allocation Provisions for Green Building Contracts*, Ark. Real Estate Rev. (Fall2010).

*Case Comment, Mortgage Electronic Registration System, Inc. v. Southwest Homes of Arkansas*, Ark. Real Estate Rev. (Spring 2010).

### **Lectures/Speeches/Presentations**

*The University of Arkansas Corporate Counsel Externship: Using Experiential Learning to Help*

*Law Students Develop the Specialized Skills of Corporate and In-House Counsel*, at Externships 5: Responding to Changing Times, University of Miami, March 2010.

## **Uche Ewelukwa**

### **Publications**

*Trade Remedies and Least-Developed Countries: Problems, Possibilities and Priorities*, Trade Policy Research Center in Africa (TRAPCA) Trade Policy Review Journal (2010).

### **Lectures/Speeches/Presentations**

*Homeless Children and the Law in America 1700 to 1900: An International Human Rights Critique*, Southeastern Association of Law Schools (SEALS) Conference, Palm Beach, Florida, August 2010.

*South-South Trade and Investment: The Good, The Bad and The Ugly- African Perspectives*, American Society of International Law Conference, Minneapolis, Minnesota, November 2010.

## **Janet Flaccus,**

### **Publications**

*Fair Debt Collection Practices Act, the Bona Fide Error Defense and Legal Judgment Errors*, 2010 Ark. L. Notes 37.

*Courts Beware: Do Not Follow this Ohio Case*, 2010 Ark. L. Notes 31.

*Revisiting Bankruptcy Discharge of Student Debt by Declaration in a Chapter 13 Plan*, 2010 Ark. L. Notes 43.

### **Lectures/Speeches/Presentations**

*Supreme Court Eliminates the Bona Fide Error Defense for Lawyers Under the FDCPA*, Arkansas Bar Association Fall Legal Institute, Rogers, Arkansas, October 2010.

## **Sharon Foster**

### **Publications**

*Too Big to Fail-Too Small to Compete: Systemic Risk Should be Addressed Through Antitrust Law But Such a Solution Will Only Work if it is Applied on an International Basis*, 22 Florida Journal of International Law 31 (2010).

## **Brian Gallini**

### **Publications**

*Police "Science" in the Interrogation Room: The Use of Pseudo-Psychological Interrogation Methods to Obtain Seventy Years of Inadmissible Confessions*, 61 Hastings L.J. 529 (2010). *Driving Through Arkansas? Have Your DNA Sample Ready*, 37 Search & Seizure Law Report 45 (2010).

### **Lectures/Speeches/Presentations**

*The Supreme Court's Modern Search & Seizure Jurisprudence*, The District Judges Spring College, Rogers, Arkansas, April 2010.

*Author Meets Reader – Victim's Rights and Victims' Wrongs: Comparative Liability in Criminal Law*, Law & Society Annual Meeting, Chicago, Illinois, May 2010 (with Vera Bergelson). *Officers as Experts*, Central States Law School Association 2010 Conference, Grand Forks, North Dakota, September 2010.

*Modern Professionalism*, Student Body Address, University of Arkansas School of Law, Fayetteville, Arkansas, October 2010.

*Officers as Experts*, Fourth Annual Regional Junior Faculty Works-in-Progress Workshop, Washington University Law School, St. Louis, Missouri, December 2010.

## **Dorah Huhes**

### **Publications**

*Things to Know Before You Go to Juvenile Court in Arkansas*, 2010 Ark. L. Notes 47.

### **Lectures/Speeches/Presentations**

*The Status of Poverty and The Need for Legal Aid*, Jefferson County Bar Association, May 2010. *The Status of Poverty and The Need for Legal Aid*, Arkansas Bar Association 2010 Best of CLE, Rogers, Arkansas, June 2010.



*New Scholars Workshop: Miscellaneous Justice*, Southeastern Association of Law Schools

Annual Meeting, Palm Beach, Florida, August 2010.

*Things to Know Before You go to Juvenile Court in Arkansas*, Arkansas Bar Association Fall

Legal Institute, Rogers, Arkansas, October 2010.

Focus Group Leader, *Legal Representation of Youth*, Arkansas Coalition for Juvenile Justice

(ACJJ) Annual Convention, North Little Rock, Arkansas, October, 2010.

*Things to Know Before You go to Juvenile Court*, Benton County Bar Association, Bentonville, Arkansas, October 2010.

*Barriers to Professional Responsibility*, Ukraine DVC Panel, April 2010.

### **Donald P. Judges**

#### **Publications**

*Speaking of Silence: A Reply to Making Defendants Speak*, 94 Minn. L. Rev. 800 (2010).

*Further Thoughts About Insurance Misrepresentation Cases*, 2010 Ark. L. Notes 61.

#### **Lectures/Speeches/Presentations**

*Eyewitness Identification*, Arkansas Bar Association Fall Legal Institute, Rogers, Arkansas, October 2010.

### **Ann Killenbeck**

#### **Publications**

*The Devil Is in the Lack of Details*, 85 Ind. L.J. 1261 (Fall 2010).

#### **Lectures/Speeches/Presentations**

Moderator, *Law & Literature*, Southeastern Association of Law Schools Annual Meeting, Palm Beach, Florida, August 2010.

### **Mark Killenbeck**

#### **Lectures/Speeches/Presentations**

*The Power to Tax? Richard Ellis and the Bank of the United States*, Annual Meeting, Society for Historians of the Early American Republic, Rochester, New York, July 2010. Moderator, *The Rehnquist Federalism Revolution: Where Are We Now?*, Southeastern Association of Law Schools Annual Meeting, Palm Beach, Florida, August 2010.

## **Karen Koch**

### **Publications**

*What Did I Just Do? Using Student-Created Concept Maps or Flow Charts to Add A Reflective Visual Component to Legal Research Assignments*, 18 PERSPECTIVES: TEACHING LEGAL RESEARCH AND WRITING 119 (Winter-Spring 2010).

## **Robert B Leftar,**

### **Publications**

*"Unnatural Deaths," Criminal Sanctions, and Medical Quality Improvement in Japan (updated version)*, 29 ZEITSCHRIFT FUR JAPANISCHES RECHT/ J. JAPANESE L. 5-52 (2010) (update of article published earlier in Yale J. Health Pol'y L. & Ethics).

*Iryo jiko chosa to hoteiki sekinin: Beikoku to Nihon no hikaku no shiten kara* [Medical Accident

Review and Legal Liability: A U.S.-Japan Comparative Perspective] (Y. Kodama, trans.), in

IRYC> ANZEN KOTO HAJIME [FOUNDATIONS OF HEALTH CARE SAFETY] 257-281 (Kazue Nakajima & Yasushi Kodama eds. 2010).

### **Lectures/Speeches/Presentations**

*Changing the Face of Health Care*, League of Women Voters of Benton County, Health Care

Forum, Rogers, Arkansas, April 2010.

*Health Care Reform*, Roosevelt Institute, University of Arkansas, Fayetteville, Arkansas, April 2010.

*The Health Care Reform Law*, UA Health Teams Abroad, Fayetteville, Arkansas, May 2010 (pre-med undergraduates preparing for study trip to Sweden).

*Health Courts: Lessons from Japan? A Preliminary Assessment*, Health Law Professors

Conference, University of Texas, Austin, TX, June 2010.

*Ramseyer on Quality (and Litigation) in Japanese Health Care*, Cohen Conference on Chinese

History and Japanese Law, Harvard Law School, Cambridge, MA, June 2010.

*Health Care Reform and Arkansas Politics*, Washington County  
Democratic Women, Fayetteville, Arkansas, June 2010.

*Health Care Reform in the United States: Medical Malpractice Proposals*, National  
Taiwan  
University College of Law, Taipei, Taiwan, July 2010.

*The 'Unnatural Deaths' Inquest System, the 'Model Project,' and the Proposed  
National Peer Review System in Japan*, National Taiwan University Hospital,  
Dept. of Forensic Medicine, Taipei, Taiwan, July 2010.

*Reform of the American Health Care System (Part II)*, Univ. of Tokyo Faculty of  
Law, Medicine  
& Law Research Group, July 2010.

*Medical Device Product Liability Litigation in the United States*, Univ. of Tokyo  
Policy  
Alternatives Research Institute, July 2010.

*Medical Quality Improvement and the Law: Observations on the Role of Criminal  
and Civil Law in Japan and the US.*, Nagoya U. Faculty of Medicine Young  
Leaders Program, July 2010.

*The 2010 Reforms in American Health Care*, Nagoya U. Faculty of Medicine Young  
Leaders  
Program, July 2010.

*History of the University of Arkansas School of Law*, 50-Year Alumni Dinner,  
University of  
Arkansas School of Law, Fayetteville, Arkansas, September 2010.

*Health Care Reform Comes to Arkansas: Politics, Impacts, and Controversies*,  
Washington  
County Retired Teachers Association, Fayetteville, Arkansas, November 2010.

*Error, Crime, Tort, Apology: Medical Malpractice Disputes in Japan*, Conference on  
Medical  
Malpractice and Compensation in Global Perspective, Vienna, Austria, December  
2010.

### **Mary Beth Matthews**

#### **Publications**

*The Credit CARD Act of 2009- What is It, and What Does It Do?*, 2010 Ark. L. Notes  
87.

### **Robert Moberly**

Lectures/Speeches/Presentations

*Court Mediation Systems and Mediator Ethics*, University of Hong Kong Faculty of Law, Hong Kong, April 2010.

*Mediation Roundtable Conference – Changing the Mindset*, Hong Kong International Arbitration Centre, Hong Kong, April 2010.

**Cynthia Nance**

Lectures/Speeches/Presentations

Panelist, *Small Group Discussion Session for the Law School Dean*, AALS Annual Meeting, New Orleans, Louisiana, January 2010.

Panelist, *Tech Fair*, American Bar Association Mid-Year Meeting, Orlando, Florida, February 2010.

Panelist, *Tweeting from a Work Meeting or "Do I Really Have to Friend My Boss?": Emerging Issues Raised By the Use of Social Networking Sites*, ABA Labor and Employment Law Section, Committee on Equal Employment Opportunity Law, San Antonio, Texas, March 2010.

Keynote Speaker, *A Night of Firsts: A Legacy of Excellence*, Judge Andree Layton Roaf Scholarship Benefit, Little Rock, Arkansas, May 2010.

*The Future of the Legal Profession – In the Eyes of Those Training the Next Generation*, Arkansas Bar Association Annual Meeting, Hot Springs, Arkansas, June 2010.

Moderator/Discussant, *Labor and Employment Legislation During the First 500 Days of the Obama Administration*, Southeastern Association of Law Schools (SEALS) Conference, Palm Beach, Florida, August 2010.

Keynote Speaker, *MLK Jr. Non-Violence Youth Summit Part III*, Fayetteville, Arkansas, October 2010.

Moderator, *I Know What You Did Last Summer – Emerging Issues Raised by the Use of Social Networking Sites*, ABA Section of Labor and Employment Law CLE Conference, Chicago, Illinois, November 2010.

## **Laurent Sacharoff**

### **Lectures/Speeches/Presentations**

*Miranda's Hidden Right*, Junior Faculty Workshop, Washington University Law School, St. Louis, Missouri, October 2010.

*Miranda's Hidden Right*, Faculty Enrichment Lunch Series, University of Arkansas School of Law, Fayetteville, Arkansas, October 2010.

*Miranda's Hidden Right*, Faculty Colloquy, University of Tulsa College of Law, Tulsa, Oklahoma, November 2010.

## **Kathy Sampson**

### **Publications**

*Insurance, Misrepresentation, Causation, and Statutory Rescission*, 2010 Ark. L. Notes **111**.

## **Susan Schneider**

### **Publications**

FOOD, FARMING & SUSTAINABILITY: READINGS IN AGRICULTURAL LAW (2010 Carolina Press).

*A Reconsideration of Agricultural Law: A Call for the Law of Food, Farming & Sustainability*,  
34 Wm. & Mary Envtl. L. & Pol'y Rev. 935 (Spring 2010).

2010 Supplement to *Chapter 12 Bankruptcy: Family Farmer and Family Fisherman*

*Reorganization* (Chapter 16 of the CONSUMER BANKRUPTCY LAW & PRACTICE GUIDE, National Consumer Law Center) (2010).

### **Lectures/Speeches/Presentations**

*Update on Food Law Developments*, American Agricultural Law Association Annual Educational Symposium, Omaha, Nebraska, October 2010.

Moderator, *Food Safety Issues*, American Agricultural Law Association Annual Educational Symposium, Omaha, Nebraska, October 2010.

*Crop Insurance Issues*, American Agricultural Law Association Annual Educational Symposium, Omaha, Nebraska, October 2010.

*Cultivating our Future: New Landscapes in Food and Agricultural Law and Policy*, University of Oregon School of Law, Eugene, Oregon, October 2010.

*Hot Topics: Food Law*, Association of American Law Schools Annual Meeting, New Orleans, Louisiana, January 2010.

**Steve Sheppard,**

Publications

*The Aspen Bouvier: A Law Dictionary: Concise 2010 Edition* (Aspen Publishers, 2010).

E. Allan Farnsworth, *An Introduction to the Legal System of the United States*, Fourth Edition

(Steve Sheppard, ed.) (Oxford University Press, 2010).

Lectures/Speeches/Presentations

*The Gulf Oil Spill: Future Safeguards and Damage Assessment*, College of Engineering, University of Arkansas, Fayetteville, Arkansas, October 2010.

**Ned Snow,**

Publications

*Judges Playing Jury: Constitutional Conflicts in Deciding Fair Use on Summary Judgment*, 44 UC Davis Law Review 483 (2010).

*Proving Fair Use: Burden of Proof as Burden of Speech*, 31 Cadozo Law Review 1781 (2010).

Lectures/Speeches/Presentations

*The Forgotten Facts of Fair Use*, 2010 Intellectual Property Scholars Roundtable, Drake

University Law School, March 2010.

*Copyright's Fair Use and the Fact-Law Distinction*, Second Annual Conference in Innovation and Communications Law Program, Louis Brandeis School of Law, Louisville, Kentucky, August 2010.

**Tim Tanrin,**

Publications

*Preserving Tax Exempt Status for Your Nonprofit Client*, 2010 Ark. L. Notes 143.

Lectures/Speeches/Presentations

*Swimming in a Sea of Uncertainty: Bankruptcy, Relocation and Debtors' Dilemmas – The Peripatetic Debtor Revisited*, Faculty Enrichment Luncheon, University of Arkansas School of Law, Fayetteville, Arkansas, April 2010.

*Tax Exempt Status: The Pitfalls and Perils of the Tax Exempt Application Process*, 9<sup>th</sup> Annual Transactional Clinical Conference, SkySong, ASU-Scottsdale Center for Innovation, Tempe, Arizona, April 2010.

*Lawyer Professionalism*, DVC with the Coordinating Council of Young Lawyers of Ukraine and Polish law students, University of Arkansas School of Law, Fayetteville, Arkansas, April 2010. *The Diligence in Bankruptcy Exemption Analysis: Representation of the*

*Migratory Debtor*, Webinar CLE presentation, Arkansas Bar Association, June 2010. *Valuable Internet Resources and Bankruptcy Software for the Practitioner*, Arkansas Bar Association Fall Legal Institute, Rogers, Arkansas, October 2010 (with Lyndsey Dilks).

**Elizabeth Young,**

Publications

*How Arkansas Convictions are Treated for Immigration Purposes*, 2010 Ark. L. Notes 159.

*Immigration Consequences of State Criminal Convictions*, 2010 Ark. L. Notes 171.

Lectures/Speeches/Presentations

*Immigration and Arkansas Criminal Code*, CLE for Public Defenders/Defense Attorneys of Northwest Arkansas, Fayetteville, Arkansas, February 2010.

*Immigration in Criminal Law: Ramifications of Kentucky v. Padilla*, Arkansas Bar Association 2010 Best of CLE, Rogers, Arkansas, June 2010.

*Immigration in State Law Proceedings*, Fall Judicial College/Judicial Council Meeting, Little Rock, Arkansas, October 2010.

# UNIVERSITY LIBRARIES

## Refereed Publications

**Kirkwood, Patricia E.** (Collection Management). "Faculty publication checklists: A quantitative method to compare traditional databases to web search engines." Proceedings of the American Society for Engineering Education Annual Conference, San Antonio, TX. June 2012. Online paper available:

**Kulczak, Deb** (Cataloging Acquisitions) and **Lora Lennertz Jetton** (Head, Performing Arts and Media). "Lexicon of Love": Genre Description of Popular Music Is Not as Simple as ABC." *Music Reference Services Quarterly* 14: 4 (2011): 210-238. Print.

**Salisbury, Lutishoor** (Head, Chemistry/Biochemistry), Jozef Laincz, and Jeremy J. Smith. "Science and Technology Undergraduate Students' Use of the Internet, Cell Phones and Social Networking Sites to Access Library Information." *Issues in Science and Technology Librarianship* (Spring 2012): Page numbers. Print. Online paper available: <http://www.istl.org/12-spring/refereed3.html>.

**Stankus, Tony** (Collection Management). "Our Modern Skulls House a Stone Age Brain: An Overview and Annotated Bibliography of Evolutionary Psychology." *Behavioral & Social Sciences Librarian* 30:3 (2011): 91-141. Print.

\_\_\_\_\_. and **Amy Hardin**. "The Affiliations of U.S. Academic Librarians in the Most Prominent Journals of Science, Engineering, Agricultural and Medical Librarianship, 2000-2010." *Science & Technology Libraries* 30:2 (2011): 143-156.

\_\_\_\_\_. and **Amy Hardin**. "The American Universities Which Published Most Often in Journals for Business & Finance, Law, Education, and Social Sciences Librarians, 2000-2010." *Journal of Business & Finance Librarianship* 31:3 (2012): 251-261. Print.

\_\_\_\_\_. and **Martha A. Parker** (Librarian in Residence). "The Anatomy of Nursing LibGuides." *Science & Technology Libraries* 31:2 (2012): 242-255. Print.

\_\_\_\_\_. "Turkeys: [An analysis of turkey production and consumption in the US and across the globe]." *Journal of Agricultural & Food Information* 12: 3-4 (2011): 232-257.

\_\_\_\_\_. "Vectors, Bites, and Venoms: Articles on Insect and Other Arthropods of Medical Importance: Which Journals Published the Most and on Which Insects, 2007-2011?" *Science & Technology Libraries* 31:1 (2012): 100-123. Print.



## Non-Refereed Publications

**Kulczak, Deb** (Cataloging Acquisitions). 15 entries, "Typo of the Day for Librarians" blog. 24 October 2011 through December 30 2011. Online.

**Nutt, Timothy G.** (Special Collections). 4 bi-weekly columns, "Are You Arkansavvy?" *The City Wire*. Online.

**Salisbury, Lutishoor, Jeremy S. Smith**, and Arthur Fry (University Professor Emeritus, University of Arkansas, Fayetteville. "A bibliography of scholarly activities." Fayetteville, Ark.: University of Arkansas, 2011. Print.

\_\_\_\_\_. and Andrew White (Stony Brook University). "ACS Publications Customer Advisory Panel – Report of the Bibliometric Sub-Group to the ACS Publications Division." Print.

\_\_\_\_\_. , contributor, and the ACRL Research Planning and Review Committee. "Top Ten Trends in Academic Libraries: A Review of the Trends and Issues Affecting Academic Libraries in Higher Education." *C&RL News*, 73(6): 311-320. Print.

\_\_\_\_\_. and **Jeremy J. Smith**. "Patents Granted to the University of Arkansas, 1976-2011: A Bibliographical Analysis. Fayetteville, AR.: Chemistry and Biochemistry Library, University of Arkansas Libraries. 130p. Print.

**Stankus, Tony** and **Amy Hardin**. "Producing Articles for Academic Special Librarians." *Information Outlook*, 15:5 (2011): 19-35.

## Abstracts and Book Reviews

**Jones, Phillip J** (Head, Fine Arts). Rev. of *Encyclopedia of Tudor England* ed. John A. Wagner and Susan Walters Schmid. *Choice* 49:9 (2012): 1622. Print.

**Juhl, Beth** (Head, Web Services). *Encyclopedia of the Hellenic World* [Web site]. *Choice* 48:12 (August 2012): 2277.

\_\_\_\_\_. *Propylaeum* [Web site]. *Choice* 49:6 (February 2012): 1032.

\_\_\_\_\_. *The Oxford Handbook of Papyrology*. Oxford, 2011. *Choice* 49:10 (June 2012): 2036.

\_\_\_\_\_. *The Oxford Classical Dictionary*. 4<sup>th</sup> ed. Oxford, 2012. *Choice* (forthcoming).

**Kulczak, Deb**. (Cataloging Acquisitions) 15 posts to the *Typo of the Day for Librarians* blog. 24 October 2011 through December 30 2011. Online.

**Zou, Tim.** Rev. of *Reading YouTube: The Critical Viewers Guide* by Peter Lang. *Choice: Current Reviews for Academic Libraries*. 49:9 (2012): 1639.

\_\_\_\_\_. Rev. of *Consent of the Networked: The World-wide Struggle for Internet Freedom*, by Rebecca MacKinnon. *Choice: Current Reviews for Academic Libraries*. (forthcoming)

## **Presentations**

**Kirkwood, Patricia.** “Along the TRAIL of Federal Technical Reports: A Cooperative Digitization Effort,” in *Digital Directions in Transportation Information Management*, Transportation Research Board, Annual Conference, Washington, DC. 23 January 2012. Poster presentation. Online presentation available:

**Nutt, Timothy G.** (Interim Head, Special Collections). “Perry County Businesses,” Perry County Historical & Genealogical Society, Perryville, Arkansas, May 8, 2012. Presentation.

\_\_\_\_\_. “Perry County Church Histories,” Perry County Historical & Genealogical Society, Perryville, Arkansas, August 9, 2011. Presentation

**Parsch, Janet** (Special Collections). Introduction to Rwanda for Architectural Students, Study Tour, August 31, 2011. Presentation.

\_\_\_\_\_. “Ozarks at Large,” KUAF, Fayetteville, Arkansas. 9 November 2011. Interview.

**Salisbury, Lutishoor,** and Vicki Croft (Washington State University). Creating and Using LibGuides. AgNIC online seminar, 8 February 2012. Presentation.

\_\_\_\_\_. So you think they are following us? Undergraduate Science and Technology Students use of the Internet, Cell Phones, Social Networking Sites to Access Library Resources. USAIN Biennial Conference, University of Minnesota, Minneapolis, MN. 31 April 2012. Presentation.

\_\_\_\_\_. and **Elizabeth McKee.** Two Minutes Please! Assessing Library Instruction: Are we on the Same Wavelength as Our Users? Arkansas Library Association Meeting, Little Rock, AR. 26 September 2011. Presentation.

**Youngblood, Joshua.** Arkansas Genealogy Resources. Gather Your Family: Northwest Arkansas Family History Conference, Church of Jesus Christ of Latter Day Saints, Springdale, Arkansas. 21 April 2012. Presentation and workshop.

**Zou, Tim.** “Relais D2D— A Possible Platform for a Statewide Union Catalog.” ARKLink meeting, Pulaski Technical South Library, Little Rock, AR. 14 October 2011. Presentation.

\_\_\_\_\_. Arkansas Philharmonic Orchestra concert: Trail of Tears, Arend Arts Center,  
Bentonville, AR. 18 February 2012. Section player (violin).

\_\_\_\_\_. Arkansas Philharmonic Orchestra concert: Literary Greats, Arend Arts Center,  
Bentonville, AR. 28 April 2012. Section player (violin).