

3-18-2013

## Graduate Research Fair Program, 2013

EMU Graduate School  
*Eastern Michigan University*

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## COLLEGE OF ARTS AND SCIENCES

### Art

**Suzanne M. Boissy**

Professor Ellen C. Schwartz

**Suzanne Valadon: Voler de Ses Propres Ailes**

*Oral Presentation: Auditorium, 12:40*

### Biology

**Kamal Abuarquob**

Professor David Kass

**Tracing the Evolution and Recent Activities of the Mysterious Transposable Element**

*Oral Presentation: Room 350, 2:30*

**Kristin M. Bahleda**

Professor Steven N. Francoeur

**Do Wetland Nutrients Play a Significant Role in Whooping Crane Site Selection?**

*Poster Presentation: Room 310, 2:45*

**Sarah T. Brogowski**

Professor Margaret Hanes

**Time Dependent Characterization of the Phyllosphere Found in Pitchers of the Purple Pitcher Plant *Sarracenia purpurea* (Sarraceniaceae)**

*Poster Presentation: Room 310, 2:45*

**Christina M. Casto**

Professor Katherine Greenwald

**Survivorship of Ploidy-variable Unisexual *Ambystoma* Salamanders Across Stages of Development**

*Oral Presentation: Room 350, 2:10*

**William J. Fitzsimmons**

Professor Anne Casper

**Identification and Analysis of Breaks in Human Common Fragile Sites Using the Yeast *Saccharomyces Cerevisiae***

*Poster Presentation: Room 310, 2:45*

**Brandon J. Hendrix**

Professor Michael Angell

**Transcription Levels of CD40 and TNF- $\alpha$  mRNA in Murine Macrophages**

*Poster Presentation: Room 310, 2:45*

**Joseph E. Hill**

Professor Cara Shillington

**Comparison of Feeding Behavior and Growth Rates Between Two Lineages of Puerto Rican Tarantula: *Avicularia Laeta***

*Oral Presentation: Room 350, 1:50*

**Katina G. Kapellas**

Professor Anne Casper

**Mitotic Recombination Following Insertion of Human Common Fragile Site Flexibility Peaks in Yeast *Saccharomyces Cerevisiae* Chromosome III**

*Poster Presentation: Room 310, 2:45*

**Sarah Schrader**

Professor Cara Shillington

**Flight or Feed: A Behavioral Comparison of Three Species of African Tarantula**

*Poster Presentation: Room 310, 2:45*

**Megan M. Scott**

Professor David Kass

**Evolution of the mysRS Element in the Genome of Rodent Species in the Cricetidae Family**

*Poster Presentation: Room 310, 2:45*

**Reid Jeffrey Tornquist**

Professor Margaret Hanes

**Characterization of the Microbial Diversity of the Carnivorous Plant *Sarracenia Purpurea* in Winter**

*Poster Presentation: Room 310, 2:45*

**Brenan M. Wilson**

Professor Cara Shillington

**Limb-Loss, Regeneration, and Orange Bitey Things (*Pterinochilus Murinus*)**

*Oral Presentation: Room 350, 1:30*

### Chemistry

**Himabindu Anumala**

Professor Cory Emal

**Novel Small Molecules for the Enhanced Inhibition of Plasminogen Activator Inhibitor-1**

*Poster Presentation: Room 310, 2:45*

**Naga Sandhya Guntaka**

Professor Cory Emal

**Design and Synthesis of Novel Inhibitors of Plasminogen Activator Inhibitor-1**

*Poster Presentation: Room 310, 2:45*

**Jacinda M. Lisi, Megan Connolly**

Professor Ellene Tratras Contis, Jose Vites

**The CSIE Program at EMU: Recruitment and Retention of STEM Students at Eastern Michigan University**

*Poster Presentation: Room 310, 2:45*

**Hareesh Mukkisa**

Professor Deborah Heyl-Clegg

**Fighting Bacterial Resistance: Modifying the Antimicrobial Peptide Tachyplesin**

*Poster Presentation: Room 310, 2:45*

**Alekhya Nimmagadda**

Professor Gregg M. Wilmes

**Synthesis of Amphiphilic Blocks Copolymers by Raft Polymerization and the Investigation of Their Self Assembly In Solution By NMR**

*Poster Presentation: Room 310, 2:45*

**Evert Njomen**

Professor Hedeel Evans

**Characterization of FAM129B, a Protein Involved in Cell Invasion**

*Oral Presentation: Room 350, 12:20*

**Oluwatobi O. Odeleye**

Professor Amy Flanagan Johnson

**The Relationship Between Students' Definition of Chemistry and Their Attitude Towards the Discipline**

*Oral Presentation: Room 350, 12:00*

**Mayank Srivastava**

Professors Deborah Heyl-Clegg, Jamie Scaglione

**Chemoenzymatic Synthesis of an Analogue of the Potent Antifungal Mycosubtilin**

*Poster Presentation: Room 310, 2:45*

**Phillip Stratton**

Professor Gavin Edwards

**Mathematical Modeling of Chemically Reactive Pollutants in Outdoor and Indoor Environments**

*Poster Presentation: Room 310, 2:45*

**Christina A. Varney**

Professor Ruth Ann Armitage

**Characterizing Organic Colorants in Mock-ups of a 15th Century Iranian Timurid Qur'an by Direct Analysis in Real Time Time-of-Flight Mass Spectrometry**

*Oral Presentation: Room 350, 12:40*

**Communication, Media, and Theatre Arts****Joseph M. Fedel**

Professor Jessica Alexander

**I Am Not Distracted: Adult ADD in Daily Life**

*Oral Presentation: Auditorium, 1:50*

**Melissa J. Giaquinto**

Professor Jessica Alexander

**In My/Her Shoes**

*Oral Presentation: Auditorium, 2:10*

**Gary Lehman**

Professor Jessica Alexander

**My Killing Joke: Humor, Tragedy, Masks, and Social Discourse through Autoethnographic Performance**

*Oral Presentation: Auditorium, 1:30*

**Joshua Parcha**

Professor Jeannette Kindred

**#constructingfamily**

*Oral Presentation: Auditorium, 3:00*

**Rebecca Marie Robinson**

Professor Lee Stille

**A Reflexive Examination of Stratford Shakespeare Festival's Shakespearean and Non-Shakespearean Choices from 1997-2006: Measuring Success through Critical Reception and Revenue**

*Oral Presentation: Auditorium, 2:30*

**Computer Science****Alexander Martens, Anthony DiPirro, Kokouvi Djogbessi**

Professor Matthew Evett

**Game Design with Unity**

*Poster Presentation: Room 310, 2:45*

**Daniel Ouellette**

Professor William Sverdlik

**Audio Assistant Smartphone Application**

*Oral Presentation: Room 350, 3:00*

**Economics****Edward G. Cruz**

Professor James Saunoris

**An Examination of the Effects Fiscal Decentralization Has on Economic Growth**

*Oral Presentation: Room 320, 4:00*

**Marisha Sherrard**

Professor David Crary

**Has Ethanol Production Increased World Food Prices?**

*Oral Presentation: Room 320, 3:40*

**English Language and Literature****Haroon N. Alsager**

Professor Daniel Seely

**The Syntax of Yes/No Question in Modern Standard Arabic**

*Oral Presentation: Kiva Room, 3:00*

**Sarah Ali Asiri**

Professor Beverley Goodman

**Acoustics of Emphatic Stops in Alshihry Arabic**

*Oral Presentation: Kiva Room, 1:30*

**Sultan A. Asiri**

Professor Daniel Seely

**Gender Effect in Code Alternation through Text Messages of Saudis**

*Oral Presentation: Kiva Room, 3:20*

**Mark A. Ball**

Professor Laura George

**The Name-of-the-Father and Inheritance in William Wordsworth's "Michael"**

*Oral Presentation: Auditorium, 6:25*

**Ousmane Cisse**

Professor Beverley Goodman

**Analysis of Pre-nasal Stops in Mandinka Language: Discovery of a Single Sound**

*Oral Presentation: Kiva Room, 1:50*

**Maureen F. Convery**

Professor Andrea Kaston Tange

**Stories and Truth: The Inadequacy of History in Michelle Cliff's Free Enterprise**

*Oral Presentation: Auditorium, 5:45*

**Doug Dee Crandall**

Professor Nataša Kovačević

**A Peculiar Kind of Speech: Speaking Outside the Silence of Subalternity in Michelle Cliff's *No Telephone to Heaven***

*Oral Presentation: Auditorium, 6:45*

**Theresa Dark**

Professor Douglas Baker

**Multimodality: Understanding Student Processes when Composing Multigenre, Multimodal, and New Media Texts**

*Oral Presentation: Kiva Room, 6:25*

**Elizabeth Dieterich**

Professor Craig Dionne

**Catching Contemporary Conscience: Intersections of Shakespearean Performance and Textual Analysis**

*Oral Presentation: Kiva Room, 12:40*

**Mitra C. Dunbar**

Professor Douglas Baker

**Personal Reflection as Professional Development for Teachers**

*Oral Presentation: Kiva Room, 5:45*

**Leandra Edwards**

Professor Douglas Baker

**Defining Literacy: A Look at an English Teacher, Science Teacher, and the Common Core State Standards**

*Oral Presentation: Kiva Room, 6:05*

**Bethany Fort**

Professor Annette Wannamaker

**Second Star to the Right-Click: Lacan, Identity, and Ideology in J. M. Barrie's Peter Pan and Ernest Cline's Ready Player One**

*Oral Presentation: Auditorium, 3:20*

**Sarah E. Fox**

Professors Veronica Grondona, B. Goodman, Damir Cavar

**It's All Whopperjawed: A Case Study of the Maumee Dialect**

*Oral Presentation: Kiva Room, 1:00*

**Andrew Lamont**

Professor Veronica Grondona

**The Influence of Gender on Language Shift**

*Poster Presentation: Room 310, 1:00*

**Caitlin R. Litz**

Professor Andrea Kaston Tange

**Redefining Tutoring Methodology: Keeping the Writing Center Up with the Joneses**

*Oral Presentation: Auditorium, 6:05*

**Mohammad A. Mahzari**

Professor Beverley Goodman

**Acoustic Analysis: The Influence of Velar [k] and Velar Palatalization [ts] on the Vowels in the Najdi Dialect in Saudi Arabia**

*Oral Presentation: Kiva Room, 2:10*

**Nicholas M. Mourning**

Professor Christine Hume

**This Much is True: An (Auto)Ethnographic Cartography Narrative**

*Oral Presentation: Kiva Room, 12:20*

**Pat D. Mullarkey**

Professor Annette Wannamaker

**Trading Places: Humans and "The Other" in Two Disney Films**

*Oral Presentation: Auditorium, 3:40*

**Kellie Nadler**

Professor Christine Hume

**One-on-One Basic Adult Literacy Tutoring**

*Oral Presentation: Kiva Room, 12:00*

**Justin A. Petro**

Professor Daniel Seely

**Out of the Past: A Diachronic Corpus-Based Analysis of English Prepositions**

*Oral Presentation: Kiva Room, 3:40*

**Rachel Rickard**

Professor Annette Wannamaker

**Some Writer/Some Friend: Charlotte's Web and The Elements of Style**

*Oral Presentation: Auditorium, 4:00*

**Jana Rosinski, Joe Torok**

Professor Derek Mueller

**Regionalism, Heterotopoi, and Circumferences: Rethinking Distant Reading**

*Poster Presentation: Room 310, 1:00*

**Lindsay Stefanski**

Professor Beverley Goodman

**Vowels in African American English: Acoustic and Perceptual Analysis**

*Oral Presentation: Kiva Room, 2:30*

**Brent Woo**

Professor Daniel Seely

**Zero Copula in Russian**

*Oral Presentation: Kiva Room, 4:00*

### Geography and Geology

**Lindsey Benson**

Professor Norman Tyler

**Mycofiltration: The Great Lakes Basin**

*Poster Presentation: Room 310, 1:00*

**Lisa Denys**

Professor Yichun Xie

**GIS Cellular Automata Model to Predict Habitat Vulnerability to Invasion by Phragmites Australis**

*Poster Presentation: Room 310, 1:00*

**Amara J. Frontczak**

Professor Dan Bonenberger

**Shifting Gears: The Life of One Collection Through Two Repositories and Two Digital Projects**

*Poster Presentation: Room 310, 1:00*

**Jeanette Garpel**

Professor Norman Tyler

**Public Art and Community Identity in Saginaw, MI**

*Oral Presentation: Room 300, 5:45*

**Kimberly A. Long**

Professor Ted Ligibel

**Historical and Provenance Research: The Importance of**

**Distinguishing Museum Collections**

*Oral Presentation: Room 300, 3:20*

**Edward L. Mackowiak**

Professor Ted Ligibel

**Future Directions for Mount Carmel Centre**

*Poster Presentation: Room 310, 1:00*

**Melinda Ortiz**

Professor Ted Ligibel

**Hidden History: Revealing a Larger Picture of Washtenaw County through Historic Preservation**

*Oral Presentation: Room 300, 3:40*

**Virginia L. Schomisch**

Professor Ted Ligibel

**Re-imagining Mid-Century Modern**

*Poster Presentation: Room 310, 1:00*

**Marcus P. Schwimmer**

Professors Ted Ligibel, Dan Bonenberger

**3D Laser Scanning: A New Era of Preservation Technology**

*Oral Presentation: Room 300, 1:50*

**Elizabeth C. Searls**

Professor Ted Ligibel

**University Archives: Real World Experience, Right on Campus**

*Oral Presentation: Room 300, 4:00*

**Shannon E. Webb**

Professor Dan Bonenberger

**Graphic Novels and Cultural Heritage**

*Oral Presentation: Room 300, 1:30*

**Amanda R. Wetzel**

Professor Ted Ligibel

**Maritime History on the Great Lakes and Historic Preservation**

*Oral Presentation: Room 300, 2:10*

**Lindsey J. Wooten**

Professor Ted Ligibel

**Jupiter and Saturn: Shipwrecks and the National Register of Historic Places**

*Oral Presentation: Room 300, 2:30*

### History and Philosophy

**Andrea S. Christmas**

Professor Jesse Kauffman

**Masculinity in the Nineteenth Century Paris Opéra Ballet**

*Oral Presentation: Room 300, 12:00*

**Scott Manley**  
Professor Joseph Engwenyu  
**The Four Little Dragons of Asia in a Global Context**  
*Oral Presentation: Room 300, 6:45*

**Lynda J. McCarron**  
Professor John McCurdy  
**Refinement of Early Architecture in Michigan**  
*Oral Presentation: Room 300, 12:20*

**DeAnna P. Mitchell**  
Professor Joseph Engwenyu  
**The Angolan Civil War and UNITA's Blood Diamonds**  
*Poster Presentation: Room 310, 1:00*

**Kate E. Morland**  
Professor Roger Long  
**John Wycliffe: On "Worldly Highness"**  
*Oral Presentation: Room 300, 12:40*

**Tabatha L. Morris**  
Professor Joseph Engwenyu  
**Hate Media: Case Study on the Responsibility of the Media in Modern Genocide**  
*Oral Presentation: Room 300, 6:05*

**Lorinda F. Rausch**  
Professor Ronald Delph  
**Beyond Normal: The Academic Career of Miss Clara Janet Allison, 1897-1940**  
*Oral Presentation: Room 300, 1:00*

**Cassandra K. Smith**  
Professor Joseph Engwenyu  
**Women's Struggle for Acknowledgement and Equality in the African Union**  
*Oral Presentation: Room 300, 6:25*

#### Mathematics

**Megan B. Frame**  
Professor Stephanie Casey  
**The Development of Misconceptions about Sampling Distribution**  
*Oral Presentation: Room 350, 3:40*

**Daniel Taylor**  
Professor Tanweer Shapla  
**Confidence Interval Estimation using the Bootstrap Technique**  
*Oral Presentation: Room 350, 4:00*

**Sarah Thompson**  
Professor Paul Howard  
**Borel Sets and the Axioms of Choice and Determinacy**  
*Poster Presentation: Room 310, 2:45*

**Swee Meng Yong**  
Professor Khairul Islam  
**Survival Analysis on Survival and Risk Discrepancies Among Lung Cancer Patients**  
*Oral Presentation: Room 350, 3:20*

#### Music and Dance

**Alejandra Escobar**  
Professor Joel Schoenhals  
**Franz Liszt: Vallée d'Obermann**  
*Oral Presentation: Auditorium, 1:00*

**Samuel Joshua**  
Professor David Pierce  
**History of Film Music**  
*Oral Presentation: Auditorium, 12:20*

**Kevin T. Shay**  
Professor Garik Pedersen  
**"Weinen, Klagen, Sorgen, Zagen" by Franz Liszt**  
*Oral Presentation: Auditorium, 12:00*

#### Political Science

**Garland S. Doyle**  
Professor Claudia Petrescu  
**Nonprofit Leadership Competencies a new way to Develop Leaders and Build Nonprofit Capacity: A MPA Program Case Study**  
*Oral Presentation: Room 320, 3:00*

**Jennifer Hawes**  
Professor Claudia Petrescu  
**Organizational Change and Growth Influence an Organization's Ability to Thrive or Die**  
*Oral Presentation: Room 320, 2:30*

**Andrew Levin**  
Professor Claudia Petrescu  
**Organizational Changes: How Theory Helps Managerial Practices**  
*Oral Presentation: Room 320, 1:30*

**David Palmer, David Rodriguez**  
Professor Claudia Petrescu  
**Organizational Systems, Leadership and Lifecycle Analysis: A Case Study of Bethesda Christian Church, Washtenaw County, MI**  
*Oral Presentation: Room 320, 1:50*

**Shane Redman**  
Professor Claudia Petrescu  
**Overcoming Groupthink and Structural Rigidity: A Case Study Applying Organizational Theory to Practice**  
*Oral Presentation: Room 320, 2:10*

**Psychology**

**Tiffany Abrego, M. Gardner, E. Mendelowitz, J. Rock, A. Rolston, E. Valain, D. Sandberg**  
Professor Carol Freedman-Doan  
**Disorders of Sex Development: Families' Experiences in Clinic**

*Poster Presentation: Room 310, 1:00*

**Sarah M. Ahlfs-Dunn**  
Professor Alissa Huth-Bocks  
**Maternal Interpersonal Trauma and Disrupted Maternal Representations: Implications for Infant Social-Emotional Development**  
*Oral Presentation: Room 304, 1:30*

**Rhonda Caldwell**  
Professor Jin Bo  
**Sleep Protects Against Interference to Motor Sequence Learning**  
*Oral Presentation: Room 304, 12:00*

**Pelin D. Catak**  
Professor Tamara Loverich  
**Mindfulness at the Workplace: Relationship to Burnout**  
*Poster Presentation: Room 310, 1:00*

**Shannon M. Clark**  
Professor Karen K. Saules  
**Validation of the Yale Food Addiction Scale Among a Post-Bariatric Surgery Population**  
*Poster Presentation: Room 310, 1:00*

**Alison M. Colbert**  
Professor Jin Bo  
**Elucidating the Relationships Among Working Memory, Sequence Learning, and Clinical Symptoms of Neurodevelopmental Disorders**  
*Poster Presentation: Room 310, 1:00*

**Amanda Ellis**  
Professor Carol Freedman-Doan  
**Individual and Interactive Effects of Childhood Externalizing Behavior and Parental Harsh Discipline Use on Child Parent Affective Relationship**  
*Oral Presentation: Room 304, 2:30*

**Katherine L. Harris**  
Professor Alissa Huth-Bocks  
**Examining Trajectories of Maternal Depression in Relation to Infant and Toddler Affect Expression**  
*Oral Presentation: Room 304, 1:50*

**Kathleen Hlavaty**  
Professor Carol Freedman-Doan  
**Developmental Changes in the Parent/Adolescent Relationship**  
*Poster Presentation: Room 310, 1:00*

**Sierra Iwanicki**  
Professor Dean Lauterbach  
**Coping with Traumatic Stress Inventory: Development of a Measure of Coping with Traumatic Stress**  
*Oral Presentation: Room 304, 2:10*

**Arshdeep Kaur, R. Kentor, B. Gourley, C. Spickler, A. Richard, J. Carey, S. Proudfoot, K. Waddell, K. Alschuler**  
Professor Flora Hoodin  
**Psychological vs Pharmaceutical Intervention for Depressed HCT Survivors: Patient Preferences and Perceptions**  
*Poster Presentation: Room 310, 1:00*

**Rachel Kentor, L. Baker, B. Gourley, C. Spickler, A. Richard, J. Carey, S. Proudfoot, K. Waddell, K. Alschuler**  
Professor Flora Hoodin  
**Factors Influencing the Use of CAM and Mental Health Services (MHS) in Hematopoietic Cell Transplant (HCT) Recipients: Examining the Role of Social Constraint, Social Support, and Help-Seeking Attitudes**  
*Poster Presentation: Room 310, 1:00*

**Jamie King, S. Theran, K. Harris, A. Burditt**  
Professor Alissa Huth-Bocks  
**A Longitudinal Ecological Examination of Predictors of Preschooler Language Development**  
*Poster Presentation: Room 310, 1:00*

**Chi-Mei Lee**  
Professor Jin Bo  
**Error Argumentation Enhance Adaptability in Adults with Low Motor Ability**  
*Poster Presentation: Room 310, 1:00*

**JooHyun Lee**  
Professor Tamara Loverich  
**An Evaluation of the Impact of Culture-Specific Risk Factors and Emotion Regulation Strategies on Psychological Distress and Maladaptive Behaviors among Asian and non-Asian Americans**  
*Oral Presentation: Room 304, 12:40*

**Kettrin J. Lengu**  
Professor Steven Huprich  
**Interpersonal Difficulties among College Students with Overt and Covert Expressions of Pathological Narcissism**  
*Poster Presentation: Room 310, 1:00*

**Meredith Merlanti, Erica Rouleau, Danielle Painter**

Professor Alissa Huth-Bocks

**Prenatal Predictors of the Parent-Child Relationship: The Association Between Child Abuse Potential During Pregnancy and the Parent-Child Relationship Two Years Postpartum**

*Poster Presentation: Room 310, 1:00*

**Brendan K. Molinar**

Professor Rusty McIntyre

**Social Relationships and Ideology**

*Oral Presentation: Room 304, 1:00*

**Kyle C. Moxley**

Professor Rusty McIntyre

**The Influence of Racial Stereotypes on Mortality Judgments**

*Poster Presentation: Room 310, 1:00*

**Rebecca A. Neill**

Professor Jin Bo

**Visuomotor Adaptation in Physically Active and Sedentary Older Adults**

*Poster Presentation: Room 310, 1:00*

**Sharon Nelson**

Professor Steven Huprich

**Preliminary Evidence of the Reliability and Validity of the Malignant Self-Regard Scale**

*Oral Presentation: Room 304, 12:20*

**Jessica L. Riggs, M. Calvert, S. Scott, S. Rosenberg**

Professor Alissa Huth-Bocks

**The Relationships Between Historical, Perinatal, and Current Threats to the Caregiving System and Parenting Outcomes**

*Poster Presentation: Room 310, 1:00*

**Jeffrey Michael Schaffert**

Professor Jin Bo

**Visuomotor Adaptation and Its Relationship to Dementia**

*Poster Presentation: Room 310, 1:00*

**Corey M. Spickler**

Professor Flora Hoodin

**Use of Psychological, Contemporary, and Alternative Therapies by Hematopoietic Stem Cell Transplant (HCT) Survivors and Satisfaction with Those Services**

*Poster Presentation: Room 310, 1:00*

**Alicia M. Totten, Sarah Ahlfs-Dunn**

Professor Alissa Huth-Bocks

**The Impact of Maternal Posttraumatic Stress and Disrupted Caregiving on Toddler Social-Emotional Development and Trauma Symptoms**

*Poster Presentation: Room 310, 1:00*

**Ashley A. Wiedemann, Shannon Clark**

Professor Karen K. Saules

**Are Substance Use Disorders and “Food Addiction” Associated with Other Addictive Behaviors Among Weight Loss Surgery Patients?**

*Poster Presentation: Room 310, 1:00*

### Sociology, Anthropology, and Criminology

**Lisa M. deRamos**

Professor Kristine Ajrouch

**Is It Really All About the Sex? White Husbands’ and Cohabiting Males’ Sexual and Relationship Satisfaction**

*Oral Presentation: Room 320, 12:00*

**Michele M. Kuzila**

Professor Marilyn Corsianos

**Forensic Science Misconduct: Exploring the Role of the Individual and the Organization**

*Oral Presentation: Room 320, 12:20*

**Ashley Wiegand**

Professor Marilyn Corsianos

**What Works? An Evaluation of Prisoner Reentry**

*Oral Presentation: Room 320, 12:40*

### Women’s and Gender Studies

**Dana M. Creighton**

Professor Margaret Crouch

**Cultural Relativism and Universal Human Rights**

*Oral Presentation: Room 352, 2:10*

**Leah N. Davidson**

Professor Kathryn Ziegler

**Beyond Body: An Exploration of the Queer Dynamics of Sex and Sexuality in Creation to the Bodiless Lover**

*Poster Presentation: Room 310, 1:00*

**Shuli Han**

Professor Solange Simoes

**Linguistic Violence: A Glimpse into Transnational Dialogue through Major Feminist Publications in China**

*Oral Presentation: Room 304, 6:25*

**Melissa Lininger**

Professor Solange Simoes

**Exploration of the Dominance of the English Language in Nordic Countries: Investigating Major Publications**

*Oral Presentation: Room 304, 5:45*



**Jessica Lohmann**

Professor Solange Simoes

**Decolonizing Feminist Thought: A Transnational Perspective of Feminist Publications in Francophone Africa**

*Oral Presentation: Room 304, 6:45*

**Chelsea Miles**

Professor Solange Simoes

**Feminist Psychology's Presence in Spain: A Comparative Analysis of Contemporary Article Themes**

*Oral Presentation: Room 304, 6:05*

**Kathleen B. Pullen**

Professor Deanna Mihaly

**Individual Sexuality in Relation to Queer Theory**

*Oral Presentation: Room 352, 1:50*

**World Languages**

**Lauryn Gallo**

Professor Zuzana Tomas

**L2 Writers' Conceptualization of Plagiarism and Identification of Problematic Source-Use**

*Oral Presentation: Room 352, 1:30*

**Masaki Hashimoto**

Professor Hitomi Oketani

**Tablet Computer Applications for Japanese-English Two-Way Immersion Schools**

*Oral Presentation: Room 352, 12:20*

**Yuriko Ishida**

Professor Hitomi Oketani

**Developing Children's JSL Proficiency in the Two-Way Immersion School**

*Oral Presentation: Room 352, 12:40*

**Kathleen Snyder, Andrew Wurtz**

Professor Wendy Wang

**Sheltered Instruction in the Two-Way Immersion Classroom**

*Oral Presentation: Room 352, 1:00*

**COLLEGE OF BUSINESS**

**Accounting and Finance**

**Andrew L. Walla**

Professor Angela Hwang

**Accounting for Hedging Derivatives: A Tutorial**

*Poster Presentation: Room 310, 2:45*

**Marketing**

**Chelsea Lockwood**

Professor Matthew Sauber

**X T R M Performance Management Network Managing the Business of Action Sports**

*Oral Presentation: Room 320, 3:20*

**COLLEGE OF EDUCATION**

**Leadership and Counseling**

**Daniela Bickel**

Professor Devika Choudhuri

**Effects of School Counselors on the Achievement Gap**

*Oral Presentation: Room 330, 2:10*

**Anglesia Brown**

Professor Eboni Zamani-Gallaher

**Re-tooling the Workforce: The Role of the Community College**

*Oral Presentation: Room 330, 12:00*

**Kevin A. Calhoun**

Professor Eboni Zamani-Gallaher

**In the Pipeline: Transferring from Community Colleges to HBCUs**

*Oral Presentation: Room 330, 1:00*

**Stephanie Chastain**

Professor Ronald Flowers

**Supplemental Instruction and the Academic Success of Students in Science Courses**

*Poster Presentation: Room 310, 1:00*

**Michelle DiMondo, Kevin A. Calhoun**

Professor Eboni Zamani-Gallaher

**An Arm and a Leg: The Rising Cost of Higher Education**

*Oral Presentation: Room 330, 12:40*

**Angela Elkordy**

Professor James Berry

**Digital Badges: Assessment and Learning Supports for STEM in Middle School Connected Learning Environments**

*Poster Presentation: Room 310, 1:00*

**Ellen E. Forsman**

Professor Ella Burton

**First Year Academic Support Programs through the Lens of High School Grade Point Averages (Eastern Michigan University)**

*Oral Presentation: Room 330, 1:30*

**Inna Gorlova**

Professor David Anderson

**Entrepreneurialism and Institutionalization of Novel Activities at One School of Education at a Public Comprehensive University: A Case Study**

*Poster Presentation: Room 310, 1:00*

**Nicole Johnson, R. Marshall, C. Weaver, A. Gallardo**

Professors Yvonne Callaway, E. Zamani-Gallaher, Sue Stickel

**Two-Year Innovation**

*Poster Presentation: Room 310, 1:00*

**Cheyenne C. Luzynski**

Professor Ron Flowers

**Applying Schlossberg's Transition Theory to Transfer Student Athletes**

*Oral Presentation: Room 330, 3:20*

**Courtney L. McCormick**

Professor Ron Flowers

**Identifying Gaps in Athletic Training Education**

*Oral Presentation: Room 330, 3:00*

**Melissa G. Merkel, Felicia Mitrovich**

Professor Elizabeth Broughton

**Advising Student Athletes**

*Oral Presentation: Room 330, 1:50*

**Brittany Reed, Katie Maiuri, Brandi White**

Professor Eboni Zamani-Gallaher

**Transfer Innovations for Two-Year Institutions**

*Poster Presentation: Room 310, 1:00*

**Andrea J. Sulek**

Professor Diane Parfitt

**Helping Students with ADHD in Post-Secondary Planning**

*Poster Presentation: Room 310, 1:00*

**Cheyenne C. Luzynski, Makeda C. Turner**

Professors Eboni Zamani-Gallaher, Chiron Graves

**Exploring the Relationship of Race and Gender among Transfer Science, Technology, Engineering, and Math (STEM) Students**

*Oral Presentation: Room 330, 12:20*

**Xingbei (Eva) Ye**

Professor David Anderson

**Paradoxes of Leadership: Leading in the Front or Leading Behind?**

*Oral Presentation: Room 330, 3:40*

**Special Education**

**Jessica Bradley**

Professor Carole Gorenflo

**The Role Pediatricians Play in Referring Children to Early**

**Intervention Services**

*Poster Presentation: Room 310, 1:00*

**Andrew C. Gowman**

Professor Loreena D. Parks

**Visual Instructional Methods for the Teaching of Mathematics**

*Oral Presentation: Room 330, 5:45*

**Erica J. Johnson**

Professor Derrick Fries

**Observation of Gender Differences in Interacting with Hands-on Science Exhibits**

*Oral Presentation: Room 330, 6:05*

**Janet M. Lopez**

Professor Derrick Fries

**The Effects of Positive Behavior Support on Student Discipline**

*Oral Presentation: Room 330, 6:25*

**Janis W. Neal**

Professor Ana Claudia Harten

**Psychological Disorders and Traumatic Brain Injury Among War Veterans: The Impact of Co-occurring Conditions on Speech-Language Treatment**

*Poster Presentation: Room 310, 1:00*

**Rachel Richter**

Professor Ana Claudia Harten

**Language Therapy and Academic Achievement: Speech-Language Pathologists' Roles and Perceptions**

*Poster Presentation: Room 310, 1:00*

**Ruth P. Salles**

Professor Phil Smith

**Ebonics in the Classroom: Teaching Standard English to Nonstandard English Speakers**

*Oral Presentation: Room 330, 4:00*

**Deanna M. Shaya, Aisha L. Darnell**

Professor Lidia W. Lee

**Is Your Music Too Loud? Conserve Your Hearing!**

*Poster Presentation: Room 310, 1:00*

**Kathlene C. Talladay**

Professor Ana Claudia Harten

**Perceived Expectations of Roles in Training and Maintenance of Augmentative and Alternative Communication Devices**

*Oral Presentation: Room 330, 6:45*

## Teacher Education

### **Kristen J. Barnes**

Professor Valerie Polakow

#### **Policy Speaks Volumes: Women and Illiteracy**

*Oral Presentation: Room 352, 4:00*

### **Amanda Bell**

Professor Valerie Polakow

#### **Intersecting Identities: The Experiences of College Students with Disabilities that Belong to a Second Minority Group**

*Oral Presentation: Room 352, 5:45*

### **Audrey M. Bernard**

Professor D. Marty Raymond

#### **Michigan Speech Language Pathology Graduate Students' Attitudes Toward Cultural and Linguistic Diversity**

*Poster Presentation: Room 310, 1:00*

### **Lena E. Boraggina-Ballard**

Professor Valerie Polakow

#### **Service-Learning: Impacting the "Whole" Student**

*Oral Presentation: Room 352, 3:20*

### **Marva Brooks**

Professor Valerie Polakow

#### **The Lived Experiences of African American Registered Nurses**

*Oral Presentation: Room 352, 6:25*

### **Linda K. Foran**

Professor Valerie Polakow

#### **Powerless in the Process?**

*Oral Presentation: Room 352, 3:00*

### **Celeste L. Hawkins**

Professor Valerie Polakow, Martha Baiyee

#### **Zero Tolerance Policies and Educational Exclusion**

*Oral Presentation: Room 352, 3:40*

### **Tonia Hayes**

Professor Valerie Polakow

#### **Perspectives from Young Adults Who Have Aged out of the Foster Care System**

*Oral Presentation: Room 352, 6:05*

### **Kay E. Hong, Kimberly Tsukiyama**

Professor Mary Rearick

#### **EMU-Hinoki International School Project**

*Oral Presentation: Room 352, 12:00*

### **Janet L. Mayotte**

Professor Robert D. Carpenter

#### **Professional Development Coaching Models: A**

## **Comparative Analysis**

*Poster Presentation: Room 310, 1:00*

### **Matthew Mooney - CANCELLED**

Professor Mary Rearick

#### **Scooping It: Using Web 2.0 to House and Present Data**

*Oral Presentation: Room 330, 2:30*

### **Cristal G. Nichols**

Professor Valerie Polakow

#### **Students' Perceptions of their Educational Experiences**

*Oral Presentation: Room 352, 6:45*

## **COLLEGE OF HEALTH AND HUMAN SERVICES**

### School of Health Promotion and Human Performance

#### **Heather Anderson**

Professor Kay Woodiel

#### **Theory of Planned Behavior to Predict Multivitamin Use by Female Collegiate Lightweight Rowers**

*Oral Presentation: Room 302, 3:00*

#### **Melissa S. Burner, Brian Emling, Samer Moussa, Kevin Vines**

Professor Frank J. Fedel

#### **Lifecasting in Orthotics and Prosthetics**

*Poster Presentation: Room 310, 2:45*

#### **Jacob Troy Caldwell**

Professor Stephen McGregor

#### **Primary Components of Running Biomechanics Differ with Body Mass Index**

*Oral Presentation: Room 302, 12:00*

#### **Tyler D. Klenow**

Professor Frank J. Fedel

#### **The Effect of Unilateral Custom Solid Plastic Ankle Foot Orthoses with Built-in Medial and Lateral Heel Wedges on Gait**

*Oral Presentation: Room 302, 1:50*

#### **Theresa C. Field**

Professor Frank J. Fedel

#### **A Literature Review on the "Rigo Systems Cheneau Brace," A Spinal Orthosis**

*Poster Presentation: Room 310, 2:45*

#### **Angela Kanavel, Alisha Thompson, Kristen Balcom, Katie Wellman**

Professor Frank J. Fedel

#### **Gait: Common Clinical Deviations, Presentations, and Associations**

*Poster Presentation: Room 310, 2:45*

**Tyler D. Klenow**

Professor Frank J. Fedel

**The Potential Use of a Vicon Motion Capture System in Preliminary Evaluation of Gait Interventions: Calculating Basic Variables of Gait and Stability and Defining Line of Progression and Its Role in Research**

*Poster Presentation: Room 310, 2:45*

**Tyler D. Klenow, Scott Dombroski, Tara Wright**

Professor Frank J. Fedel

**Multimedia User's Manual for the Vicon Motion Capture System at Eastern Michigan University**

*Oral Presentation: Room 302, 2:10*

**Brian D. Koster, Tyler Klenow**

Professor Frank J. Fedel

**Box-type Alginate Molding Process**

*Oral Presentation: Room 302, 1:30*

**Amy Norland, Meghan Prunty**

Professor Frank J. Fedel

**An Evaluation of Current AFO Literature on Neuromuscular Pathologies**

*Oral Presentation: Room 302, 2:30*

**Zara G. Northover**

Professor Brenda Riemer

**The Effects of Sports Mega-Events on Host Cities and the Associated Individuals**

*Oral Presentation: Room 304, 3:20*

**Joshua Schubring, Brian Koster, Caitlin Hayes**

Professor Frank J. Fedel

**Multimedia Universal Learning Glossary for Orthotics and Prosthetics**

*Oral Presentation: Room 302, 12:40*

**Ryan Sheridan**

Professor Robert Rhodes, Ted Trower

**A Survey of Dorsiflexion Range of Motion in the General Population**

*Poster Presentation: Room 310, 2:45*

**Christine Skelton**

Professor Frank J. Fedel

**Case Study with Transfermoral Amputee Evaluating Feldenkrais Method on Balance, Posture, and Coordination**

*Poster Presentation: Room 310, 2:45*

**Melody Van Sledright, Malachi Knauff**

Professor Frank J. Fedel

**Walk a Mile in an Amputee's Shoes**

*Poster Presentation: Room 310, 2:45*

**Lucas J. Wall**

Professor Stephen McGregor

**Trained Collegiate Runners Exhibit Different Principal Components of Running Biomechanics than Untrained Individuals**

*Oral Presentation: Room 302, 12:20*

**Nicole Whiddon, Brittany Patton**

Professor Frank J. Fedel

**Orthotics and Prosthetic Media Catalogue**

*Oral Presentation: Room 302, 1:00*

**Kathryn Yonkers, John Stukel, Scott Dombroski**

Professor Frank J. Fedel

**A Comprehensive Guide of Lifecasting Tips and Techniques**

*Poster Presentation: Room 310, 2:45*

**Erica Zonder**

Professor Brenda Riemer

**Student-Athlete Perceptions of International Participation in Collegiate Athletics**

*Oral Presentation: Room 304, 3:00*

#### School of Health Sciences

**Adrienna E. Bartnicki**

Professor Abbey Marterella

**The Drama of Doing Everyday Occupation in a Supportive Housing Community**

*Poster Presentation: Room 310, 2:45*

**Adele M. Curtis**

Professor Alice Jo Rainville

**An Investigation of Dialysis Patients' Medication Compliance and the Relationship of Physician Ordering Practices**

*Oral Presentation: Room 302, 3:40*

**Christen Mitchell, Sherilyn Butler, Lindsay Moskal, Steve Szelag**

Professors David Clifford, Larry Schwartz

**MHA Pilot Project: Operational Diagnosis of Local Medical Practice**

*Oral Presentation: Room 302, 3:20*

**Amanda Reisedge, Paige Jaeger, April Kral, Taylor Reckert**

Professor Gretchen Dahl Reeves

**Effects of the Integrated Play Groups Model on Children with an Autism Spectrum Disorder**

*Poster Presentation: Room 310, 2:45*

**Melissa Schiffman, Laura Dahl, Lori Lay**

Professor Abbey Marterella

**Bridging a Cultural Divide: Understanding Perceived Staff and Tenant Roles in a Supportive Housing Community**

*Poster Presentation: Room 310, 2:45*

### School of Social Work

**Diana L. Staten**

Professor Donald Loppnow

**Services for Adjudicated Youth: A Qualitative Study of Two Residential Treatment Centers Located in Lenawee County, MI**

*Poster Presentation: Room 310, 2:45*

**Jessica R. Young, Miriam Beth Shabazz**

Professor Janet Okagbue-Reaves

**Love and Logic: Bluefields, Jamaica**

*Poster Presentation: Room 310, 2:45*

### **COLLEGE OF TECHNOLOGY**

#### School of Engineering Technology

**Sabreen Alsini**

Professor Shinming Shyu

**A Study on Indoor Air Quality: Issues and Solutions for Residential Design in Saudi Arabia**

*Oral Presentation: Room 301, 1:30*

**Olfat Mohammad Barayan**

Professor Shinming Shyu

**How Sustainability Strategies Perform to Reduce the Impact of Hot Climate on Buildings**

*Oral Presentation: Room 301, 1:50*

**Adam J. Bogedain**

Professor James J. Stein

**Construction: Integrated Safety Planning (ISP)**

*Oral Presentation: Room 301, 3:20*

**Hinalbahen Desai**

Professor Vijay Mannari

**Novel Soy-Polyol: Process Optimization Using DOE Methodology**

*Poster Presentation: Room 310, 2:45*

**Preetinder S. Gill**

Professor John Dugger

**Birth Defects: A Preliminary Investigation to Explore the Relationship Between Birth Defects and Prenatal Care**

*Oral Presentation: Room 301, 3:40*

**Na Han**

Professor Shinming Shyu

**A Study on Environmental Ethics and Sustainable Design in Traditional Asian Building**

*Oral Presentation: Room 301, 2:10*

**Kimberly A. Michels**

Professor Shinming Shyu

**Social Responsibility and Profitability: IKEA as Case Study**

*Oral Presentation: Room 301, 2:30*

**Linda Montgomery**

Professor Shinming Shyu

**Evidence-Based Design: Redesigning the Halle Library Café**

*Oral Presentation: Room 301, 3:00*

**Mahshid Niknahad**

Professor Vijay Mannari

**Sol-gel Derived Organic-Inorganic Hybrid Chromate-Free Pretreatment for Industrial Aluminum Alloys**

*Poster Presentation: Room 310, 2:45*

**Melida E. Ruiz-Quiroz**

Professor James Stein, William Moylan

**Sustainable Construction: Green Roofing and its Impact on Building in Tropical Zones**

*Poster Presentation: Room 310, 2:45*

#### School of Technology Studies

**Nadia A. Arafah**

Professor Michelle Belt

**Challenges Saudi Interior Designers Face While Completing Their Higher Education in the United States**

*Oral Presentation: Room 301, 5:45*

**Aditi Sunil Bakshi**

Professor Subhas Ghosh

**Study of Waterproof Breathable Fabrics**

*Oral Presentation: Room 301, 12:40*

**Essraa M. N. Fatani**

Professor Michelle Belt

**A Study on the Lighting Strategies and Ventilation Systems in Mosque Design in Saudi Arabia**

*Poster Presentation: Room 310, 2:45*

**David A. Gomez**

Professor Denise Pilato

**Assessing Age Group Acceptance of Biometric and Smartphone Banking Convergence**

*Oral Presentation: Room 301, 12:00*

**Kimberly Hopper, Ian Boone, Andrew Box**

Professor Alphonso Bellamy

**Student Satisfaction in Online Courses**

*Poster Presentation: Room 310, 2:45*

**Vikas Pannalal Joshi**

Professor Subhas Ghosh

**Discoloration Of Dye in Effluent by Accelerated Oxidation  
Using H<sub>2</sub> O<sub>2</sub> /Fe Ion in Presence Of UV Light**

*Oral Presentation: Room 301, 1:00*

**Odai Y. Khasawneh**

Professor Denise Pilato

**American Women Inventors at the Chicago World's Fair  
1893**

*Oral Presentation: Room 301, 12:20*

**Sindhusha Sanga, Sushma Sanga**

Professor Skip Lawver

**Forensic Investigation on Identity Theft**

*Oral Presentation: Room 301, 4:00*

**Cindi M. Staudenmeyer**

Professor Michelle Belt

**Impact of Interior Design on Human Behavior**

*Oral Presentation: Room 301, 6:05*

**Judy L. Weaver**

Professors Pat Pokay, Virginia Harder

**The Weaver Model: On Target for a Successful  
Dissertation**

*Oral Presentation: Room 301, 6:45*

**Zachary L. Williamson**

Professor Pamela Speelman

**3D Printers and DRM - The Death of Possibility?**

*Oral Presentation: Room 301, 6:25*

**Hsiao Jou Wu**

Professor Vijay Mannari

**A Comparative Study of UV-curable Oligomers with  
Varying Chemical Structure and Molecular Weight**

*Poster Presentation: Room 310, 2:45*