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Department of Information Sciences   Information Sciences Department Newsletter

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Naval Postgraduate School, Monterey, CA.

Information Sciences Department Newsletter

Volume 5, Issue 1, January – March 2010

Sponsor: Dan Boger
Editor: Mark Nissen

Publications

Books

none this quarter

Articles in Refereed Journals

Nissen, M.E. and Leweling, T.A., "Knowledge Sharing as a Contingency in the Design of Counterterrorism Organizations," *International C2 Journal* 4:2 (2010), pp. 1-30.

Regine Pei Tze Oh, Susan Sanchez, Thomas Lucas, Hong Wan, and **Nissen**, M.E., "Efficient Experimental Design Tools for Exploring Large Simulation Models," *Computational and Mathematical Organization Theory* 15:3 (2009), pp. 237-257; DOI 10.1007/s10588-009-9059-1.

Chapters in Books

Oros, C. and **Nissen**, M.E., "Designing Complex Organizations Computationally," in: M. Wang and Z. Sun (Eds.), *Handbook of Research on Complex Dynamic Process Management: Techniques for Adaptability in Turbulent Environments* Hershey, PA: IGI Global (2010), pp. 573-598.

Articles in Conference Proceedings

Adams, A.A, Lee, J.G.C.Y. and **Nissen**, M.E., "Tacit Knowledge Flows and Institutional Theory: Accelerating Acculturation," *Proceedings* Hawaii International Conference on System Sciences, Koloa, Kauai, HI (January 2010); nominated for Best Paper Award.

Other Publications

Schacher, G., **Kimmel**, R., and **MacKinnon**, D. J. (2009), "PACOM JIOC – Business Process Model," with Schacher, S., and Kimmel, R., prepared for Joint Staff, J262, Pentagon, Washington DC, Naval Postgraduate School, Technical Report, NPS-IS-10-001, Monterey, CA, (December 2009).

Presentations (not included in conference proceedings above)

Looney, J.P. and **Nissen**, M.E., "Modeling and Simulating Military Organizations with POWer," invited presentation, Simulation Experiments and Efficient Designs (SEED) Seminar, Monterey, CA (February 2010).

Alberts, D.S. and **Nissen**, M.E., "Emerging DoD and NATO Research Vectors," invited presentation, Modeling in Virtual Environments and Simulation (MOVES) Seminar, Monterey, CA (February 2010).

MacKinnon, D.J. and **McClain**, B., "Joint Reconfigurable Vehicle (JRV): Its capabilities and Missions," invited presentation to California State University Monterey Bay (CSUMB) and the Joint Forces Command (JFCOM) Special Operations Symposium, 12 Feb 2010.

MacKinnon, D. J., "DISE Research in FY10 and Thesis Research Opportunities," invited presentation to C4I symposium for LtCol Karl Pfeiffer at the Naval Postgraduate School, Monterey, CA, 11 Feb 2010.

MacKinnon, D. J., "DISE Research in FY10," invited presentation to the Assistant Chief of Staff for Command and Control, Communications, Computers, and Combat Systems (C5) for Carrier Strike Group Two, CAPT Barrett, hosted by the Cebrowski Institute at the Naval Postgraduate School, Monterey, CA, 7 Jan 2010.

Wood, B.P., Gallup, S.P., **Irvine**, N.J., Joint Multi Mission Electro-Optic System (JMMES) Joint Capabilities Technology Demonstration (JCTD) results briefed to Commander Third Fleet staff and NAVAIR staff, San Diego, CA, 12 January 2010.

Ying, Z, and **MacKinnon**, D. J., "Towards Real-time MDA System-awareness via Lexical Link Analysis (LLA): Learning Agent Technology for Visualization of Unstructured Data," invited presentation to the Maritime Defense and Security Research Program (MDSRP), Monterey, CA, 20 Jan 2010.

Grants and Funding

Rick **Hayes-Roth** and Carl **Oros** as Co-PIs, "Rapid Pro VIRT," Marine Corps Systems Command (MARCORSYSCOM) Intelligence Systems, 3-years, $8.5M; Read more in: http://faculty.nps.edu/fahayesr/docs/VIRT_article.pdf .

John **Osmundson**, "Collaborative Systems Research," SPAWAR, $73,766.

Wood, B.P. and **Gallup,** S.P. "Transnational Information Sharing Cooperation (TISC) Joint Capabilities Technology Demonstration (JCTD)" US Southern Command, $187,300.

Awards

none this quarter

Significant Professional Activities

Garza, V.R. **Wood,** B.P., **Irvine,** N.J., **Pham,** B.Q., **Baer,** W., **Das,** A., **McClain,** B.J., **Roeting,** W.H., participated in various Empire Challenge 10 events (e.g., Spiral-1, Camp Roberts, CA, 22-26 February 2010; Main Planning Conference, Virginia Beach, VA 2-5 March 2010; Spiral-2, 16-19 March 2010; main event).

Gallup, S.P., **Wood,** B.P. met with the Mayor of Salinas, Dennis Donohue, to discuss Salinas Police Department project (via Department of Homeland Security), Monterey, CA, 05 March 2010.

Gallup, S.P., **Roeting,** W.H., **Wood,** B.P., met with Salinas Police Department to kick off research effort (via Department of Homeland Security), Salinas, CA, 15 March 2010.

PhD Student Accomplishments

Koons, J.L., "Extending Contingency Theory to Tacit Knowledge: Case Study of an Information Assurance Organization," invited presentation, joint Information Sciences/Computer Science/Software Engineering/MOVES Institute PhD Research Seminar, Naval Postgraduate School, Monterey CA (April 2010).