

Information Sciences Department Newsletter

Volume 6, Issue 2, April – June 2011

Sponsor: Dan Boger
Editor: Mark Nissen

Publications

Articles in Refereed Journals

Chaturvedi, A., **Dolk**, D., Drnevich, P. Design Principles for Virtual Worlds. *MIS Quarterly* 35, 3 (Sept 2011), 673-684.

Nissen, M.E. and Burton, R.M., "Designing Organizations for Dynamic Fit: System Stability, Maneuverability and Opportunity Loss," *IEEE Transactions on Systems, Man and Cybernetics – Part A* 41:3 (May 2011), pp. 418-433.

Books

Hayes-Roth, R. *Truthiness Fever: How Lies and Propaganda are Poisoning Us and a Ten-Step Program for Recovery*. Booklocker.com, 2011. See www.truthinessfever.com

Chapters in Books

None this quarter

Articles in Conference Proceedings

Huynh, Thomas V., and John S. **Osmundson**, "Systems Integration Assessment," Systems Engineering, Test & Evaluation (SETE) Conference Proceedings, Canberra, Australia, 2-4 May, 2011.

Levitt, T. S. , Leister, K. G., Woodaman, R. F., Askvig, J. K., Laskey, K. B., and **Hayes-Roth**, R. "Valuing Persistent ISR Resources," AFCEA-GMU C4I Center Symposium, Critical Issues in C4I, George Mason University, Fairfax, Virginia, 2011.
<http://c4i.gmu.edu/events/reviews/2011/papers/9-Levitt-paper.pdf>

Hudson, K. and **Nissen**, M.E., "Understanding the Potential of Virtual Environments for Improving C2 Performance," *Proceedings International Command & Control Research & Technology Symposium*, Quebec City, Quebec (June 2011).

Osmundson, John; Thomas Huynh, and Gary Langford, "Systems Engineering of a Regional Economy," Systems Engineering, Test & Evaluation (SETE) Conference Proceedings, Canberra, Australia, 2-4 May, 2011.

Osmundson, John and Jason Holgerson, "Systems Analysis of On-Line Collaborative Systems," Conference on Systems Engineering Research (CSER) Proceedings, Redondo Beach, CA, 15-16 April, 2011.

Osmundson, John, Rene Rendon and Thomas Huynh, "System-of-Systems Acquisition: Alignment and Collaboration," Proceedings of the 8th Acquisition Research Symposium, Monterey, CA, 10-12 May, 2011.

Zhao, Y., MacKinnon, D.J., and Gallup, S.P., "Lexical Analysis of the Haiti Earthquake Relief Operation Using Open Data Sources," 16th International Command and Control Research and Technology Symposium (ICCRTS), Quebec City, Canada, June 21-23, 2011.

Other Publications

None this quarter

Presentations (not included in conference proceedings above)

HOUSEL, THOMAS J. AND LORENTZ, REBECCA, "MODELING THE RISKS OF INTANGIBLES," PRESENTATION TO THE 7TH WORLD CONFERENCE ON INTELLECTUAL CAPITAL FOR COMMUNITIES, PARIS, FRANCE, MAY 26, 2011.

Hutchins, S. G., Zhao, Y., & Kendall, A. (2011). Use of a Model of Team Collaboration to Investigate Inter-Organizational Collaboration during the Haiti Relief Effort. In *Proceedings of the 16th International Command and Control Research & Technology Symposium*. Quebec City, Canada, 21-23 June. www.dodccrp.org

Hutchins, S. G., & Kendall, A. (2011). Collaboration during the Haiti Relief Effort from a Macrocognition Perspective. Paper to be presented at the 55th *Annual Meeting of the Human Factors and Ergonomics Society*, Las Vegas, NV. September 19-23, Santa Monica, CA.

Hutchins, S. G., Miller, S., & Deleot, C. (2011). Ensuring Effective Information Flow through the JTB Enterprise in Support of Combat Operations. In *Proceedings of the 16th International Command and Control Research & Technology Symposium*. Quebec City, Canada, 21-23 June. www.dodccrp.org

Nissen, M.E., "Key Principles of Dynamic Knowledge," invited presentation, Army Operational Knowledge Management Qualification Course Pilot, Ft. Leavenworth, KS (May 2011).

Nissen, M.E., "KM404: Advanced Knowledge Management Principles & Techniques for Viral Organizational Transformation," Knowledge Management Conference & Exposition, McLean, VA (May 2011).

Pfeiffer, K. D., Hutchins, S. G., Kleinman, D. L., Miller, S. A., & Kemple, W. G. (2011). Operational planning with uncertain and ambiguous information: Command and control and the natural environment. *Proceedings of the 16th International Command and Control Research and Technology Symposium (ICCRTS)*. Quebec City: DODCCRP.

Zhao, Y., Gallup, S. P., MacKinnon, D. J., "A Web Service Implementation for Large-scale Automation, Visualization, and Real-time Program-Awareness," 8th Annual Acquisition Research Symposium, Monterey, California, May 11-12, 2011.

Grants and Funding

None the quarter

Awards

John Osmundson, Wayne E. Meyer Award for Excellence in Systems Engineering, June, 2011.

Significant Professional Activities

Tom **Housel** was a Visiting Professor at the University of Paris (Sud 11) from May 23-June23, 2011.

Wood, B.P., Crissman, D.C., Garza, V.R., Irvine, N.J., Jensen, J.J., Schulz, R.H., Utschig, J.M., participated in Empire Challenge 2011 in support of Joint Battlespace Awareness ISR Integration Capability (JBAIIC), Fort Huachuca, AZ, 09 May-03 June 2011.

PhD Student Accomplishments

Paul **Robards** defended successfully his dissertation entitled *Two-Sided Matching in Hierarchical Organizations – An Application for the Assignment of Military Personnel*.