

**DEPARTMENT OF
OPERATIONS RESEARCH**

**2001
Faculty Publications
and Presentations**

PUBLICATIONS/PRESENTATIONS

JOURNAL PAPERS

Brown, G., Keegan, J., Vigus, B., and Wood, K., "The Kellogg Company Optimizes Production, Inventory, and Distribution," *Interfaces*, Vol. 31, pp. 1-15, 2001.

Herrin, R.R., Barrett, N.L., Baker, B.G., and Koyak, R.A., "Joint Theater Air and Missile Defense Interoperability Testing Capabilities and Challenges," *ITEA Journal of Test and Evaluation*, Vol. 22, pp. 31-40, June/July 2001.

Hohzaki, R. and Washburn, A., "The Diesel Submarine Flaming Datum Problem," *Military Operations Research*, Vol. 6, No. 4, pp. 19-30, 2001.

Looney, R.E., Schradly, D.A. and Brown, R.L., "Estimating the Economic Benefits of Forward-Engaged Naval Forces," *Interfaces*, Vol. 31, No. 4, July-August 2001.

Marín, A. and Salmerón, J., "A Risk Function for the Stochastic Modeling of Electric Capacity Expansion," *Naval Research Logistics*, Vol. 48, pp. 662-683, 2001.

Schradly, D.A., "Golden Anniversary (of the NPS OR Program)," *ORMS Today*, Vol. 28, No. 1, February 2001.

Washburn, A., "A New Kind of Fictitious Play," *Naval Research Logistics*, Vol. 48, pp. 270-280, 2001.

Washburn, A., "Bits, Bangs, or Bucks? The Coming Information Crisis," *PHALANX*, Vol. 34, No. 3 (part I) and No. 4 (part II), 2001.

CONFERENCE PAPERS

Buttrey, S.E., Nolan, D. and Temple Lang, D., "An Environment for Creating Interactive Statistical Documents," *Proceedings of the 33rd Symposium on the Interface of Computing Science and Statistics*, Costa Mesa, CA, 13-16 June 2001.

Looney, R.E. and Schradly, D.A., et al., "Estimating Economic Benefits of Naval Forward Presence: A Brief Summary," *Proceedings of Conference on Globalization and Naval Forward Presence*, Ch. 3, Institute for National Security Studies, National Defense University, Washington D.C., 19 April 2001.

Marín, A. and Salmerón, J., "Modelización Conjunta para la Locacización de Facilidades y Expansión de Capacidad," *Annals of the JAIIO*, edited by SADIO, Vol. 30, pp. 94-101, Buenos Aires, Argentina, 2001.

Sanchez, S.M., "ABC's of Output Analysis," *Proceedings of the 2001 Winter Simulation Conference*, Peters, B.A., Smith, J.S., Medeiros, D.J. and Rohrer, M.W. (eds.), pp. 30-39. Institute of Electrical and Electronics Engineers, Piscataway, NJ, 2001.

Sanchez, S.M. and Hynes, G.E., "Perception and Assessment of Online Communication Skill Acquisition," *Proceedings of the Fall 2001 Symposium on Assessing Online Instruction*, Monterey, CA, October 2001.

CONFERENCE PRESENTATIONS

Bradley, G. and Buss, A., "Loosely Coupled Components for Near Real Time Modeling and Optimization," Air Force Office of Scientific Research PI Meeting, Minnowbrook, NY, 11-13 November 2001.

Bradley, G. and Buss, A., "Demonstration System for a Military Mission," Air Force Office of Scientific Research PI Meeting, Minnowbrook, NY, 11-13 November 2001.

PUBLICATIONS/PRESENTATIONS

Bradley, G., "M&S in Classroom Instruction and Thesis Research at the Naval Postgraduate School," NAVMSMO Technical Interchange Meeting, National Defense University, Ft. McNair, Washington, DC, 23 August 2001.

Bradley, G. and Buss, A., "Demonstration System for a Military Mission," Air Force Office of Scientific Research PI Meeting, Minnowbrook, NY, 11-13 November 2001.

Bradley, G. and Buss, A., "Loosely Coupled Components for Near Real Time Modeling and Optimization," Air Force Office of Scientific Research PI Meeting, Minnowbrook, NY, 11-13 November 2001.

Brown, G., Byrne, P. and Washburn, A., "The Fast Theater Model," 69th Military Operations Research Symposium, U. S. Naval Academy, Annapolis, MD, 12-14 June 2001.

Brown, G.G., Newman, A.M., Rosenthal, R.E and Rowe, A.A., "Optimizing Tomahawk Strikes," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, 12-14 June 2001.

Dell, R.F. and Tarantino, W.J., "Optimal Stationing of Army Forces," National Meeting of the Institute for Operations Research and the Management Sciences, Miami, FL, 4-7 November 2001.

Dell, R.F. and Noble, J.D., "Scheduling and Distributing Intra-Theatre Wartime POL Requirements," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, 12-14 June 2001.

Dell, R.F. and Brown, G.G., "Tutorial on Optimizing Military Capital Budgeting," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, 12-14 June 2001.

Gaver, D.P., Jacobs, P.A. and Takahara, G., "On Service of Time-Limited Tasks with Uncertain Outcomes (Uncertain Time-Critical Tasking)," INFORMS International Hawaii, Maui, HI, 17-20 June 2001.

Gaver, D.P., Glazebrook, K.D., Jacobs, P.A. and Takahara, G., "On Service of Time-Limited Tasks with Uncertain Outcomes (Uncertain Time-Critical Tasking)," XXI International Seminar on Stability Problems for Stochastic Models, Eger, Hungary 28 January–3 February 2001.

Gaver, D.P., Jacobs, P.A. and Seglie, E., "Stochastic Models for Promoting and Testing System Reliability Evolution" European Safety and Reliability Conference, Turino, Italy, 16-20 September 2001.

Gaver, D.P., Jacobs, P.A., Carpenter, R.L., Robinson, P. and Bobb, A., "Towards a Model of Liver Insult and Recovery After Insult by Xenobiotic Chemicals," Poster Session, 40th Annual Meeting, Society of Toxicology, San Francisco, CA, 24–29 March 2001.

Lucas, T.W. and Sanchez, S.M., "Adaptive Exploration of Agent-Based Command and Control Simulations" INFORMS Military Applications Society 4th Annual International Meeting, Quantico, VA, May 2001.

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Lucas, T.W. and Sanchez, S.M., "Adaptive High-Dimensional Explorations of Agent-based Command and Control Simulations," INFORMS National Meeting, Miami, FL, 4-7 November 2001.

Lucas, T.W. and Sanchez, S.M., "Exploring Agent-based Simulations: Simple Models, Complex Analyses," 11/01 – INFORMS, Miami, FL, November 2001.

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Morton, D., Salmerón, J. and Wood, K., "A Sampling-Based Cutting-Plane Method for Stochastic Programming," INFORMS International Hawaii, Maui, HI, 17-20 June 2001.

Morton, D., Salmerón, J. and Wood, K., "A Stochastic Program for Optimizing Military Sealift subject to Attack," Workshop on Decision-Making Under Uncertainty, Molde, Norway, 18-20 May 2001.

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Sanchez, S.M. and Lucas, T.W., "Adaptive Exploration of Project Albert Distillations," INFORMS International, Maui, HI, June 2001.

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Schrady, D.A., "Combat Logistics," Commander Naval Forces Korea, Commanders Conference, Port Hueneme, CA, 10 February 2001.

Tarantino, W.J, Dell, R.F. and Connor, G., "Optimal Stationing of Army Forces (OSAF)," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, 12-14 June 2001.

Wood, R.K. and Sanchez, S.M., "Solving Stochastic Network Interdiction with the BEST Algorithm," AFOSR PI Meeting, Minnowbrook, NY, 2001.

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Baker, S.F., Rosenthal, R.E. and Williams, L., *Tanker Requirements Study 2005: The Impact of Weapons of Mass Destruction Attack on Airlift Throughput*, Naval Postgraduate School Technical Report, June 2001.

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Gates, W. and Washburn, A., *The Navy Operational Support Aircraft Fleet*, Naval Postgraduate School Technical Report, NPS-OR-01-006-PR, 2001.

Gaver, D.P, Jacobs, P.A. and Kemp, J., *Modeling the Operation of a Platoon of Amphibious Vehicles for Support of Operational Test and Evaluation (OT&E)*, Naval Postgraduate School Technical Report, NPS-OR-01-009, July 2001.

Gaver, D.P., Jacobs, P.A., and Seglie, E., *Stochastic Models for Promoting and Testing System Reliability Evolution*, Naval Postgraduate School Technical Report, NPS-OR-01-011, September 2001.

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Glazebrook, K.D., Gaver, D.P., and Jacobs, P.A., *On a Military Scheduling Problem*, Naval Postgraduate Technical Report, NPS-OR-01-010, August 2001.

Looney, R.E, Schradly, D.A. and Porch, D., *Economic Impact of Naval Forward Presence: Benefits, Linkage and Future Prospects as Modified by Trends in Globalization*, Naval Postgraduate School Technical Report, NPS-NS-02-001, December 2001.

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Washburn, A., *The Fast Theater Model (FATHM)*, Naval Postgraduate School Technical Report, NPS-OR-01-002-PR, 2001.

CONTRIBUTION TO BOOK

Gaver, D.P., Jacobs, P.A., and Seglie, E., "Stochastic Models for Promoting and Testing System Reliability Evolution," *Safety & Reliability: ESREL 2001 Towards a Safer World*, E. Zio, M. Demichela, N. (eds.), Piccinini, Politecnico di Torino, Vol. 2, pp. 1109-1116, 2001.

OTHER

Bullock, G., "Delphi Software Implementation of Model for System Survival Probability," January 2001.

Bullock, G., "Delphi Software Implementation of Model for Sustainability of a Platoon of Amphibious Vehicles," June 2001.

Gaver, D.P., "Operational Test and Evaluation," Web Site: <http://www.nps.navy.mil/opnsrsch/testeval/>