

Eva Regnier

Defense Resources Management Institute
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Education

Georgia Institute of Technology, Ph.D. in Industrial Engineering	2001
M.S. in Operations Research	1999
Massachusetts Institute of Technology, B.S. in Environmental Engineering Science	1992

Academic Employment

Associate Professor of Decision Science	2007 – present
Academic Associate (Associate Chair for Instruction)	2013 – 2015
Defense Resources Management Institute Graduate School of Business and Public Policy Naval Postgraduate School	
Visiting Associate Professor of Operations Research	2009 – 2011
Operations Research Department, Naval Postgraduate School	
Assistant Professor of Decision Science	2001 – 2007
Defense Resources Management Institute, Naval Postgraduate School	

Peer-Reviewed Journal Articles

- Apte, A., Khawam, J., Regnier, E. & Simon, J. Complexity and Self-Sustainment in Disaster Response Supply Chains. *Decision Sciences*. Forthcoming.
- Regnier, E., Simon, J., Nussbaum, D.A. & Whitney, L.K. (2015) The fuel multiplier in fuel supply logistics. *Journal of Defense Modeling and Simulation*. 12(1) 5-17. DOI 10.1177/1548512913515362
- Simon, J., Regnier, E., & Whitney, L. (2014). A value-focused approach to energy transformation in the United States Department of Defense. *Decision Analysis* 11(2) 117-132. DOI: 10.1287/deca.2014.0292
- Slootmaker, L.A., Regnier, E., Hansen, J.A., & Lucas, T.W. (2013). User focus and simulation improve predictions of piracy risk. *Interfaces* 43(3):256-267. DOI:10.1287/inte.2013.0678
- Regnier, E.D. & Shechter, S.M. (2013) State-space size considerations for disease progression models. *Statistics in Medicine* 32(22):3862-3880. DOI: 10.1002/sim.5808
- Regnier, E. (2008). Public evacuation decisions and hurricane track uncertainty. *Management Science* 54(1): 16-28. DOI: 10.1287/mnsc.1070.0764
- Regnier, E.D. (2008). Doing something about the weather. *Omega: The International Journal of Management Science* 36(1): 22-32. 10.1016/j.omega.2005.07.011
- Regnier, E. (2007). Oil and energy price volatility. *Energy Economics* 29(3): 405-427.

- Regnier, E.D. and Tovey, C.A. (2007). Time horizons of environmental versus non-environmental costs: Evidence from U.S. tort lawsuits. *Business Strategy and the Environment* 16(4): 249-265.
- Griffin, S.O., Regnier, E.D., Griffin, P.M. and Huntley, V., (2007). Effectiveness of fluoride in preventing caries in adults. *Journal of Dental Research* 86(5): 410-415.
- Regnier, E. and Harr, P.A. (2006). A dynamic decision model applied to hurricane landfall. *Weather and Forecasting* 21(5): 764–780. DOI: 10.1175/WAF958.1
- Regnier, E., Sharp, G. and Tovey, C. (2004). Replacement under ongoing technological progress. *IIE Transactions* 36(6): 497-508. DOI: 10.1080/07408170490438401

Other Peer-Reviewed Publications

- MacKenzie, C.A. & Regnier, E. (2015). A Hurricane Decision Simulator for the U.S. Marine Corps Reserve Forces in New Orleans. *Proceedings of the 44th Annual Meeting of the Western Decision Sciences Institute*. April 2015, Lahaina, Hawaii.
- An, W. Martinez Ayala, D.F., Sidoti, D., Mishra, M. Han, X., Pattipati, K.R., Regnier, E.D., Kleinman, D.L., & Hansen, J.A. (2012). Dynamic asset allocation approaches for counter-piracy operations. *Proceedings of the 15th International Conference on Information Fusion*. Singapore, July 2012.
- Regnier, E.D. (2011). Evacuation planning. *Wiley Encyclopedia of Operations Research and Management Science*. DOI: 10.1002/9780470400531.eorms0306
- Esher, L., Hall, S., Hansen, J.A., Regnier, E.D., Sanchez, P.J., and Singham, D. (2010) Simulating pirate behavior to exploit environmental information. In B. Johansson, S. Jain, J. Montoya-Torres, J. Hukan, and E. Yücesan, editors, *Proceedings of the 2010 Winter Simulation Conference*, pp. 1330–1335. IEEE.

Papers Under Review

- Regnier, E. Efficient multi-period probability forecasts. Under Review at *Management Science*.
- Simon, J., Apte, A., & Regnier, E. An Application of the Multiple Knapsack Problem: The Self-Sufficient Marine. Under Review at *European Journal of Operational Research*.

Other Publications and Reports

- Regnier, E., Simon, J., Apte, A., Khawam, J., Nussbaum, D. (2013) The Logistics Burden in Fully Burdened Cost Estimates. NPS-LM-13-112.
<http://www.acquisitionresearch.net/files/FY2013/NPS-LM-13-112.pdf>
- Whitney, L., Regnier, E., Simon, J. & Nussbaum, D. (2013) Energy Objectives for the United States Department of Defense. NPS-OR-13-003.
<http://calhoun.nps.edu/public/handle/10945/3602>
- Regnier, E. & Singham, D. (2013) Targeting an Asymmetric Maritime Threat: Workshop Report. NPS-DRMI-13-001. <http://calhoun.nps.edu/public/handle/10945/30354>
- Apte, A., Khawam, J., Regnier, E., Simon, J., & Nussbaum, D. (2013) Issues and Challenges in Self-Sustaining Response Supply Chains. NPS-LM-13-107.
<http://www.acquisitionresearch.net/files/FY2013/NPS-LM-13-107.pdf>

- Regnier, E., Simon, J., Nussbaum, D., Apte, A. & Khawam, J. (2013) Fully-Burdened Cost of Supply in Self-Sustaining Logistics Networks. *Proceedings of the Tenth Annual Acquisition Research Symposium Volume II. Monterey, CA.* NPS-LM-13-C10P05R01-059. <http://www.acquisitionresearch.net/files/FY2013/NPS-LM-13-C10P05R01-059.pdf>
- Apte, A., Khawam, J., Regnier, E., Simon, J., & Nussbaum, D. (2013) Issues and Challenges in Self-Sustaining Response Supply Chains. *Proceedings of the Tenth Annual Acquisition Research Symposium Volume II. Monterey, CA.* NPS-LM-13-C10P05R06-064. <http://www.acquisitionresearch.net/files/FY2013/NPS-LM-13-C10P05R06-064.pdf>,
- Regnier, E., Simon, J. , & Nussbaum, D. (2013) Estimating Supply-Chain Burdens in Support of Acquisition Decisions. NPS Technical Report NPS-LM-13-026. <http://www.acquisitionresearch.net/files/FY2013/NPS-LM-13-026.pdf>
- Regnier, E., Simon, J. & Nussbaum, D. (2012) Estimating Logistics Burdens in Support of Acquisition Decisions. *Proceedings of the Ninth Annual Acquisition Research Symposium Volume II. Monterey, CA.* NPS-AM-12-C9P24R01-091 www.dtic.mil/dtic/tr/fulltext/u2/a563552.pdf.
- Regnier, E.D. & Nussbaum, D.A. (2011) Theory and Feasibility of Implementing Economic Input/Output Analysis of Department of Defense to Support Acquisition Decision Analysis and Cost Estimation. NPS Technical Report NPS-CE-11-204. <http://www.acquisitionresearch.net/files/FY2011/NPS-CE-11-204.pdf>
- Regnier, E.D. & Nussbaum, D.A. (2011) Theory and Feasibility of Implementing Economic Input/Output Analysis of Department of Defense to Support Acquisition Decision Analysis and Cost Estimation. *Proceedings of the Eighth Annual Acquisition Research Symposium Volume II. Monterey, CA.* <http://www.acquisitionresearch.net/beta/files/FY2011/NPS-AM-11-C8P15R03-057.pdf>
- Regnier, E.D. & Kirlik, A. (2011) Human Factors in the Joint Typhoon Warning Center Watch Floor. NPS Technical Report NPS-OR-11-003. <http://edocs.nps.edu/npspubs/scholarly/TR/2011/NPS-OR-11-003.pdf>
- Hansen, J.A. & Regnier, E.D.(2011) Battlespace on Demand (BonD) Command Decision Making: Enhanced Decision Making through More Effective Use of METOC Data. Annual Report on ONR Grant N0001410WX20795.
- Esher, L.A., Lednicky, E., Miranda, S., Regnier, E.D., Sanchez, P.J., and Upton, S. (2010) Analyzing forecasted pirate probabilities to exploit meteorological and intelligence parameters through Data Farming. *Scythe Proceedings and Bulletin of the International Data Farming Community* 9: 1-4.
- Esher, L., Hall, S., Hansen, J., Regnier, E., Sanchez, P. & Singham, D. (2010) Anti-Piracy and Terror Reduction: Simulating Pirate Behavior to Exploit Environmental Information. *Scythe Proceedings and Bulletin of the International Data Farming Community* Scythe Proceedings and Bulletin of the International Data Farming Community 8: 50-53.
- Regnier, E.D. (2008) *Decision Modeling for Smart Climatology.* NPS Technical Report NPS-64-08-001. <http://edocs.nps.edu/npspubs/scholarly/TR/2008/NPS-64-08-001.pdf>
- Regnier, E.D. (2007) Doing Something about the Weather. *Report on Workshop: Frameworks for integration of atmospheric-oceanic science and forecasting with operational decision-*

making. January 3-5, 2007, Monterey, California. (viewable at <http://wikidev.nps.edu/Weather/index.php/Reporting>)

Regnier, E.D. (2006) Empirical analysis of production-input price-dynamics. *Proceedings of the 2006 NSF Design, Service, and Manufacturing Grantees and Research Conference*, St. Louis, MO.

Regnier, E.D. and Harr, P.A. (2006) Information forecasting for hurricane preparation. *Preprints, American Meteorological Society 27th Conference on Hurricanes and Tropical Meteorology*, Monterey, CA, 24-28 April 2006. (viewable at http://ams.confex.com/ams/26HURR/techprogram/paper_76038.htm)

Regnier, E.D. (2005) Should I Stay or Should I Go? Decision Making in the Face of Hurricanes. DRMI Newsletter 14, October 2005.

Regnier, E.D. (2005) Activity Completion Times in PERT and Scheduling Network Simulation, Part II, DRMI Newsletter 12, April 2005.

Regnier, E.D. (2005) Hidden Assumptions in Project Management Tools. DRMI Newsletter 11, January 2005.

Regnier, E.D. and Harr, P.A. (2004) Assessment of the value of tropical cyclone track forecasts. *Preprints, American Meteorological Society 26th Conference on Hurricanes and Tropical Meteorology*, Miami, FL, 3-7 May 2004. (viewable at http://ams.confex.com/ams/27Hurricanes/techprogram/session_19495.htm)

Realff, M.J. and Regnier, E.D. (1998) System effects in reverse production planning. *Meeting of the International Society for the Systems Sciences*, Atlanta, GA.

Regnier, E.D. and Hoffman, W.F., III (1998) Uncertainty model for product environmental performance scoring. *Proceedings of the Institute of Electrical and Electronics Engineers International Symposium on Electronics and the Environment*, May 4-6, Oak Brook, IL, p. 207-212.

Regnier, E.D. (1992) Trade Policy and the Environment: U.S.-Mexico Free Trade. *Journal of the Institute for Environmental Sciences* 35(2).

Sponsored Research

Energy Return on Investment. (with Dan Nussbaum and Keith Snider) ONR Code 822. FY 2012 – FY 2016, ongoing. ONR grant numbers N0001412WX21244 and N0001413WX20536

Fully-Burdened Cost of Supply in Self-Sustaining Logistics Networks. NPS Acquisition Research Program, (with Jay Simon and others) Period of performance: Oct. 2012-Sept. 2013, \$100K.

Support for Agile Decision-Making in Complex and Dynamic Environments. ONR Code 34 (Warfighter Performance). Nov. 2012 – Nov. 2013, \$150K. ONR grant number N0001412WX20805

Estimating Supply-Chain Burdens in Support of Acquisition Decisions. NPS Acquisition Research Program, (with Dan Nussbaum) NPS-BAA-11-002BAA. Period of performance: Oct. 2011-Sept. 2012, \$113K.

Theory and Feasibility of Implementing Economic Input/Output Analysis of Department of Defense to Support Acquisition Decision Analysis and Cost Estimation. NPS Acquisition Research Program, (with Dan Nussbaum) Theory. Oct. 2010-Sept. 2011, \$100K.

Battlespace on Demand (BonD) Command Decision Making: Enhanced Decision Making through More Effective Use of METOC Data. Sponsored by ONR N0001410WX20795, administered through Naval Research Laboratory. Nov. 2009-Nov. 2011, \$160K to NPS.

Principal Investigator, Workshop: Frameworks for integration of atmospheric-oceanic science and forecasting with operational decision-making. National Science Foundation, Award # DMI-0647362

Principal Investigator: Eastern North Carolina Marine Corps Forces and Installations (ENCMCFI) High-Intensity Hurricane (HIH) Evacuation. Marine Corps Installations East.

Investigator, Smart Climatology System: Prototype for Strategic Planning and Evaluation. Office of Naval Research. Space and Naval Warfare research program.

Principal Investigator, Evaluating Competing Models for Production Investment Valuation. US National Science Foundation Award # DMI-0411930.

Investigator, Optimization and Statistical Models for The Army Basing Study. The Army Basing Study, 2003-2005.

Other Sponsored Activities

Human Factors in Joint Typhoon Warning Center Watchfloor, sponsored by Joint Typhoon Warning Center. Sept 2010-March 2011, \$33,850.

Principles of Ensemble Modeling and Decision Support, sponsored by Commander, Naval Meteorology and Oceanography Command. November 2009-September 2010, \$23,223.

Teaching Experience

Instructor in team-taught professional development (executive education) courses

- Multiple Criteria Decision Making Course (2 weeks, 2006-2010, 2012-2015)
- Risk Management Course (2 weeks, 2012-2015)
- Senior International Defense Management Course (4 weeks, 2001-2008, 2012-2015)
- Defense Resources Management Course (4 weeks, 2001-2009, 2012-2015)
- International Defense Management Course (10 weeks, 2001-2009, 2012-2015)
- Mobile courses in defense resources management (one to two weeks) in Argentina, Belize, Bangladesh, Bosnia, Colombia, Estonia, Germany, Guinea, Guatemala, Kenya, Macedonia, Mexico, Senegal, Slovakia, South Africa, Thailand
- NAVAIR Leadership Development Program CAPSTONE course (3 days, 2015)

Instructor

- Engineering Risk Benefit Analysis (MS in Systems Analysis)
- Decision Theory (MS in Operations Analysis)
- Analytical Tools for Managerial Decisions (MBA)
- Engineering Economy (BS)

Instructor and developer

- Weather for Warfighter Decision-Making (MS in Meteorology, with Tony Eckel)
- Basic Quantitative Methods in Management (MBA)

Theses Advised

- Priester, P., Grusich, A. & Tortora, P. (2015, June) MBA Professional Report. Renewable energy and storage implementation in Naval Station Pearl Harbor.
- Lantz, S.W. (2014, June) M.S. Thesis Operations Analysis. Incorporation of Tropical Cyclone Avoidance Into Automated Ship Scheduling.
- Ceschini, E.M. (2013, June) M.S. Thesis Meteorology. Optimization of lightning warning areas at Cape Canaveral/Kennedy Space Center. (second reader)
- Hathorn, B. (2013, March) M.S. Thesis Operations Analysis. Resource Burden of Logistics to Navy Ships Under Threat Scenarios.
- Hall, S.L. (2012, June) M.S. Thesis Operations Analysis. Effect of the Environment and Environmental Uncertainty on Ship Routes.
- Hills, J. (2011, December) M.S. Thesis, Operations Analysis. Modeling the DOD Bulk Fuels Supply Chain using Input Output Analysis. Finalist for MORS/Tisdale Award.
- Dubbs, S.R. (2011, September) Estimating the Fully Burdened Cost of Fuel Using an Input-Output Model – A Micro-Level Analysis. Finalist for MORS/Tisdale Award.
- Pearman, D.W. (2011, September) Evaluating Tropical Cyclone Forecast Track Uncertainty Using a Grand Ensemble of Ensemble Prediction Systems.
- Slootmaker, L.A. (2011, March) M.S. Thesis in Operations Research. Naval Postgraduate School. Countering piracy with the next-generation piracy performance surface model. Winner of MORS/Tisdale Award and Surface Naval Association thesis award.
- Taylor, B.J. (2007, June) M.S. Thesis, Naval Postgraduate School. Eastern North Carolina Marine Corps Forces and Installations (ENCMCFI) High Intensity Hurricane (HIH) Evacuation Decision Support -- A Dynamic Decision Model Under Uncertainty and Risk. Finalist for MORS-Tisdale Award.
- Dzwonchyk, J.D. (2002, June) M.S. Thesis, Operations Research. Naval Postgraduate School. Optimal selection of Army military construction projects. (second reader)

Invited Presentations

- Simon, J., Regnier, E. & Whitney, L. (2015, April) A Value-Focused Approach to Energy Transformation in the United States Department of Defense. Western Decision Sciences Institute meeting, Maui HI.
- Regnier, E. & MacKenzie, C. (2015, April) A Hurricane Decision Simulator for the U.S. Marine Corps Reserve Forces in New Orleans. Western Decision Sciences Institute meeting, Maui HI.
- Regnier, E. (2014, November 10) Scoring rules for sequences of probabilistic forecasts. INFORMS Annual Meeting, San Francisco, CA.
- DeGrange, W., Lantz, S. & Regnier, E. (2014, November 12) Avoiding Tropical Cyclones in Automated Naval Logistics Planning. INFORMS Annual Meeting, San Francisco, CA.
- Apte, A., Regnier, E. & Simon, J. (2014, November 12) The self-sufficient Marine problem. INFORMS Annual Meeting, San Francisco, CA.
- Regnier, E. (2014, June 18) Evaluating sequences of probabilistic forecasts. Advances in Decision Analysis. Georgetown University, Washington, DC.

Regnier, E. & Simon, J. (2014, April 3) Managing portfolio effects in costs and benefits for Department of Defense installation energy projects. Western Decision Sciences Institute meeting, Napa, CA.

Simon, J., & Regnier, E. (2013, October 8). Decision Support for Reducing Consumption in Self-Sustaining Supply Chains. INFORMS Annual Meeting, Minneapolis, MN.

Simon, J., & Regnier, E. (2013, October 6). Energy Objectives for the U.S. Department of Defense. INFORMS Annual Meeting, Minneapolis, MN.

Regnier, E.D. & Whitney, L.A. (2013, July 16) Cost-Benefit Analysis of Energy Demonstration Projects. ESTEP Interim Program Review. San Diego, CA.

Simon, J., Regnier, E.D. & Whitney, L.A. (2012, October 17) Estimating Costs of Self-Sustaining Logistics Networks. INFORMS Annual Meeting, Phoenix, AZ.

Regnier, E.D., & Singham, D. (2012, October 14) Uncertainty Model for Rapid Updating of Target Positions. INFORMS Annual Meeting, Phoenix, AZ.

Regnier, E., Simon, J., & Nussbaum, D. (2012, May 17). Estimating Logistics Burdens in Support of Acquisition Decisions, Ninth Acquisition Research Symposium, Monterey, CA.

Seagren, C.W. & Regnier, E. (2011, June 22) Improving State-Space Partitioning for Markov Models: A Manpower Application. Annual meeting of the Military Operations Research Society, Monterey, CA.

Regnier, E.D., Hansen, J.A. (2011, June 1) Risk Assessment in Support of Command Decision Making. ONR Command Decision Making Program Review, Arlington, VA.

Hansen, J., Esher, L., Regnier, E., & Lingsch, W. (2011, January 24) Pirate probabilities: On the importance of the dynamic coupling of meteorological and intelligence information for piracy interdiction. American Meteorological Society Annual Meeting, Seattle, WA.

Regnier, E.D., Hansen, J.A. (2010, November 8) Risk Assessment in Support of Command Decision Making. INFORMS Annual Meeting, Austin, TX.

Regnier, E.D. (2010, June 17). Factors Affecting Forecaster Performance. Joint Typhoon Warning Center, Pearl Harbor, HI.

Regnier, E.D., Hansen, J.A. (2010, May 12) Risk Assessment for Decision Support: Risk as a Function of Course of Action. ONR Program Review, Arlington, VA.

Regnier, E.D. (2010, February 11). Data-Informed Stochastic Model Construction. NPS OR Departmental Seminar. Monterey, CA. Regnier, E.D.

Regnier, E.D. (2009, October 11) Impact of Improving Intensity Forecasts. INFORMS Annual Meeting, San Diego, CA.

Regnier, E.D. Communicating Uncertainty for Public Evacuation Decisions. (2008, October 12) Institute for Operations Research and the Management Sciences (INFORMS) annual meeting, Washington, D.C.

Regnier, E.D. Operational Factors in Civilian and Military Support. (2008, November 18) Geospatial Data in the Operational Decision Making Process workshop. NATO Undersea Research Centre (NURC), La Spezia, Italy.

Regnier, E.D. (2007, July 9) Doing Something about the Weather. INFORMS International meeting Rio Grande, P.R.

- Regnier, E.D. Influence Diagrams. (2007, January 26) CASA Decision Sciences Workshop, Dallas/Forth Worth, TX.
- Regnier, E.D. (2007, January 3) The Optimizer's Perspective. Workshop: Doing Something about the Weather, Monterey, CA.
- Regnier, E.D. (2006, November) Tropical Cyclone Predictability and the Decision Space for Hurricane Preparation. INFORMS annual meeting in Pittsburgh, PA.
- Regnier, E.D. (2006, April 21) Oil and energy price volatility. SIEPR Policy Forum on Energy, Stanford Institute for Economic Policy Research, Stanford, CA. (videotaped and viewable at http://siepr.stanford.edu/siepr_news/news_PolicyForum_406.html#Overview)
- Regnier, E.D. (2005, November) The impact of energy and biomass price dynamics. INFORMS annual meeting in San Francisco, CA.
- Regnier, E.D. and Harr, P.A. (2005, October 27) Forecasts and decision analysis for hurricane preparations. Naval Research Laboratory research seminar, Monterey, CA.
- Regnier, E.D. (2005, July) Marginal analysis of multi-objective decision methods in the public sector. International Federation of Operational Research Societies (IFORS) triennial conference, Honolulu, HI.
- Regnier, E.D. Input price dynamics and sustainability. (2005, June 23) Presented to Interface Research Corporation.
- Olwell, D.H., Dell, R.F., Smith, D.A., Regnier, E.D. (2004, June) Environment cost modeling. Composite Group D: Army Modeling to Support Installation and Stationing Analyses, 72nd Military Operations Research Society Symposium.
- Regnier, E.D. and Harr, P.A. (2003, October 20) Uncertainty resolution in hurricane forecasting. INFORMS annual meeting in Atlanta, GA.
- Regnier, E.D. and Wash, C.W. (2002) The Value of Meteorological Services to the US Navy. International Federation of Operational Research Societies 16th Triennial Conference, Edinburgh, U.K., July 8-12, 2002.
- Regnier, E. (2002) "Constraining Environmental Decision Problems", Institute For Operations Research and the Management Sciences Annual Meeting, San Jose, CA, November 17-20, 2002.
- Regnier, E. (2000) Integrating Environmental Costs into Firm Decisions. Department of Energy, Department of Energy, September 12, 2000.

Other Professional Experience

Motorola, Inc. June – August 1997; June – August 1998, Schaumburg, IL

Developed statistical methods for evaluating confidence limits for environmental performance scoring by Motorola proprietary software. Developed and tested methods for eliciting customer preferences for multi-attribute decisions. Researched data quality in state of the art Life Cycle Assessment databases and tools. Corporate Manufacturing Research Center, Environmental Technologies division.

Groundwater Technology, Inc. August 1994 – May 1996, Columbia, MD

Responsible for engineering design, construction oversight, permitting and environmental compliance monitoring for in situ soil and groundwater remediation systems. Technologies included soil vapor and dual-phase extraction, hot-air injection and sparging, and a proprietary chromium remediation technology.

Ecology and Environment, Inc. October 1993 – July 1994, Arlington, VA

Oil and Hazardous Substances Technical Assistance Team for U.S. Environmental Protection Agency. Oil Pollution Act facility inspections and facility response plan review for oil storage facilities and on-site responsible party oversight of Superfund assessments and removals.

Schlumberger, Ltd. June 1993 – September 1993, Paris, France

Researched and prepared report on European materials recovery industry, and prospective responses to and impacts of proposed European manufacturer take-back legislation for electronic products.

Ecole Polytechnique, Programme Jean Monnet August 1992 – June 1993, Palaiseau, France

Internship at the French Commissariat à l'Énergie Atomique conducting verification testing of a three-dimensional finite-element geochemistry/hydrology model.

Affiliations, Boards and other Service

Naval Postgraduate School, Energy Academic Group

Naval Postgraduate School, SEED Center for Data Farming

Associate Editor, *Decision Analysis*

Best paper award committee, 2014

Editorial Board 2010-2015

INFORMS Decision Analysis Society

Co-chaired subdivision cluster at INFORMS 2006 annual meeting

Co-chair (2005) and panelist (2004) of DAS student paper competition, 2005

INFORMS Forum on Women in Operations Research and Management Science

President-Elect, President, Past President (years)

V.P. for meetings (2004-2005)

American Meteorological Society, Board of Enterprise and Economic Development 2008-2010

National Science Foundation panelist

External Advisory Board, Naval Research Laboratory, Monterey Probabilistic Research Office

American Association of University Women

Tau Beta Pi, National Engineering Honor Society

Reviewer for Agricultural Systems, Decision Analysis, Disasters Journal, Energy Economics, The Energy Journal, The Engineering Economist, Environment, Systems and Decisions, IEEE Systems Journal, Journal of Defense Modeling and Simulation Journal of the Operational Research Society, Manufacturing and Service Operations Management, Management Science, Ocean Dynamics, Operations Research, Omega: The International Journal of Management Science, Production and Operations Management, Risk Analysis, Statistics in Medicine and Weather Climate and Society.

Awards

Defense Resources Management Institute Teaching Award, 2014

Finalist, INFORMS Junior Faculty Interest Group paper competition, 2007.

U.S. Department of Energy Integrated Manufacturing Predoctoral Fellowship 1997-2000.

Georgia Tech President's Scholarship 1996-2000.

Achievement Rewards for College Scientists Foundation Scholarship 1998-2001.

Awarded National Science Foundation Graduate Research Fellowship, 1997.

MIT Undergraduate Research Opportunities Program Funding: Public Service Center Fellowship, Summer 1990; Sea Grant Award, Spring 1990; Class of 1971 Award, Fall 1989.

Tau Beta Pi, National Engineering Honor Society.