

**PUBLICATIONS, TECHNICAL REPORTS, PRESENTATIONS
OPERATIONS RESEARCH DEPARTMENT, NPS, 2008**

ALDERSON

PUBLICATIONS

Alderson, D. and Doyle, J.C., 2008, "Contrasting Views of Complexity and Their Implications for Network-Centric Infrastructures," *IEEE Transactions on Systems, Man, and Cybernetics-Part A*, to appear.

Willinger, W., Alderson, D., and Doyle, J.C., 2008, "Mathematics and the Internet: A Source of Enormous Confusion and Great Potential," *Notices of the American Mathematical Society*, to appear.

Alderson, D., 2008, "Catching the 'Network Science' Bug: Insight and Opportunity for the Operations Researcher," *Operations Research*, 56, pp. 1047-1065.

PRESENTATIONS

Alderson, D., Brown, G., and Carlyle, W.M., "A Tale of Seven Bridges: Assessing the Value of Critical Infrastructure," National Infrastructure Simulation and Analysis Center, Sandia National Labs, 18 December 2008.

Alderson, D., "Optimization-Based Methods for Internet Topology Modeling and Vulnerability Analysis," Internet Multi-Resolution Analysis Workshop: Beyond Internet MRA: Networks of Networks, Institute for Pure and Applied Mathematics, UCLA, 3-7 November 2008.

Alderson, D., "Making Sense of 'Network Science': Insight and Opportunity for the Military Analyst," The USMA Network Science Workshop, United States Military Academy, West Point, NY, 15-17 October 2008.

Alderson, D., Brown, G., and Carlyle, W.M., "A Tale of Seven Bridges: Assessing the Value of Critical Infrastructure," CNO Critical Infrastructure Vulnerability Workshop, Naval Postgraduate School, 14-15 August 2008.

Alderson, D., "Internet Topology and 'Network Science'," NSF Workshop on Network Science and Network Design, USC Information Sciences Institute, Marina Del Rey, CA, 29 July 2008.

Alderson, D., "Optimization-Based Reverse Engineering for Complex Networks," ONR MURI Kickoff Meeting, University of California at San Diego, 28 July 2008.

Draft, 1 April 2009

Alderson, D., "Router-Level Topology: Principles, Models, and Validation," SIAM Annual Meeting, San Diego, CA, 7-10 July 2008.

Alderson, D., "Critical Thinking for Complex Network Systems: Trends, Tools, and Techniques for the OR Analyst," Cebrowski Institute Seminar, Naval Postgraduate School, 22 May 2008.

Alderson, D. and Carlyle, W.M., "Military Applications in OR," ONR Research Gathering for Rapid Accurate Decision-Making, Herndon, VA, 12 May 2008.

Alderson, D., Barkley, T., and Carlyle, W.M., "An Attacker-Defender Model of IP-Based Networks," INFORMS Telecom Conference, College Park, MD, 26-28 March 2008.

Alderson, D., "Critical Thinking for Complex Network Systems: Trends, Tools, and Techniques for the OR Analyst," MORS Educational Colloquium, Air Force Institute of Technology, Dayton, OH, 5 March 2008.

Alderson, D., "Catching the 'Network Science' Bug: Insight and Opportunity for Complex Network Research," Air Force Office of Sponsored Research, Alexandria, VA, 7 February 2008.

BRADLEY

PRESENTATIONS

Bradley, G., "IED Operations Analysis and Counterinsurgency (COIN) Modeling," ONR Improvised Explosive Devices (IED) Basic Research Program Review, Austin TX, 11 February 2008. (FOUO)

Bradley, G., "Introduction to Improvised Explosive Devices (IEDs)," Office of Naval Research - Research Directions in Information Integration, Monterey, CA, 7 April 2008.

Bradley, G., "Thinking about Insurgency and IEDs: A Living Systems Approach," Joint IED Defeat Organization, Washington, DC, 28 April 2008.

Bradley, G., "Thinking about IEDs: An Operations Research Perspective," Joint IED Defeat Organization, Washington, DC, 28 April 2008.

Bradley, G., "Modeling IED Bomb Making Cells," ONR Improvised Explosive Devices (IED) Basic Research Program Review, Laurel, MD, 4-6 November 2008.

Draft, 1 April 2009

Bradley, G., “Improvised Explosive Devices (IED) Tutorial,” tutorial for NPS faculty and students, one hour classified and two hours unclassified, 11 January 2008, 29 February 2008, 2 May 2008, 11 July 2008, 17 October 2008.

TECHNICAL REPORTS

Bradley, G., 2008, “Improvised Explosive Devices (IED) Tutorial,” tutorial for NPS faculty and students, 463 pages.

SOFTWARE

Naval Postgraduate School SIGACTS Viewer.

BROWN

PUBLICATIONS

Brown, G., Carlyle M., Harney R., Skroch E., and Wood, K., 2008, “Interdicting a Nuclear Weapons Project,” *Operations Research*, to appear.

Brown, G., Banks, D., Borio, L., Parnell, G., and Wilson, A., 2008, “Scientists Urge DHS to Improve Bioterrorism Risk Assessment,” *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science*, 6, pp. 353-356.

Brown, G. and Carlyle, W.M., 2008, “Optimizing the U.S. Navy’s Combat Logistics Force,” *Naval Research Logistics*, 55, pp. 800-810.

Brown, G., Carlyle, M., and Wood, K., 2008, “Optimizing Department of Homeland Security Defense Investments: Applying Defender-Attacker (-Defender) Optimization to Terror Risk Assessment and Mitigation,” Appendix E of: National Research Council Report, Department of Homeland Security Bioterrorist Risk Assessment: A Call for Change, National Academies Press, Washington, DC

Brown, G., Cox, L., and Pollock, S., 2008, “When is Uncertainty About Uncertainty Worth Characterizing?” *Interfaces*, 38, pp. 465-468.

Brown, G. and Rosenthal, R., 2008, “Optimization Tradecraft: Hard-Won Insights from Real-World Decision Support,” *Interfaces*, 38, pp. 356-366.

National Research Council, 2008, Committee on Methodological Improvements to the Department of Homeland Security's Biological Agent Risk Analysis, *Department of Homeland Security Bioterrorist Risk Assessment: A Call for Change*, National Academies Press, Washington, DC (G. Brown, committee member)

PRESENTATIONS

Brown, G. and Washburn, A., “Department of Homeland Security Bioterror Risk Assessment - A Call for Change,” Operations Research Department Seminar, Naval Postgraduate School, Monterey, CA, 6 November 2008.

Brown, G., Carlyle, M., Ghaffar, A., Kline, K., and Wood, K., “Optimizing Positions of Port Defense Radar Picket Ships: A Defender-attacker Model,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Brown, G., Carlyle, M., Dell, R., Royset, J., Salmeron, J., and Wood, K., “The Legacy of Richard E. Rosenthal, Distinguished Professor of OR, Naval Postgraduate School,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Brown, G. and Dell, R., “The Secrets of Success with Optimization,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Kelton, D., Brown, G., Kline, J., and Pidgeon, E., “Modeling the Effects of a Transportation Security Incident upon the Marine Transportation System,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

BUTTREY

PUBLICATIONS

Kerman, M.C., Jiang, W., Blumberg, A.F., and Buttrey, S.E., 2008, “A Comparison of Robust Metamodels for the Uncertainty Quantification (UQ) of New York Harbor Oceanographic Data,” *Journal of Operational Oceanography*, Vol. 2, pp. 3-11.

Kerman, M.C., Jiang, W., Blumberg, A.F., and Buttrey, S.E., 2008, “The Application of a Quantile Regression Metamodel for Salinity Event Detection Confirmation within New York Harbor Oceanographic Data,” *Journal of Operational Oceanography*, to appear.

TECHNICAL REPORTS

Fricke, R.D. and Buttrey, S.E., 2008, “Assessing the Effects of Individual Augmentation (IA) on Active Component Navy Enlisted and Officer Retention,” Naval Postgraduate School Technical Report NPS-OR-08-033.

PRESENTATIONS

Fricke, R.D. and Buttrey, S.E., “Effects of Individual Augmentation on Active-Duty Navy Retention,” Western Economics Association International 2008 Conference, Honolulu, HI, 29 June-3 July 2008.

CARLYLE

PUBLICATIONS

Brown, G. and Carlyle, W.M., 2008, "Optimizing the U.S. Navy's Combat Logistics Force," *Naval Research Logistics*, 55, pp. 800-810.

Carlyle, W.M., Royset, J.O., and Wood, R.K., 2008, "Lagrangian Relaxation and Enumeration for Solving Constrained Shortest-Path Problems," *Networks*, 52, pp. 256-270.

Brown, G., Carlyle, M., and Wood, K., 2008, "Optimizing Department of Homeland Security Defense Investments: Applying Defender-Attacker (-Defender) Optimization to Terror Risk Assessment and Mitigation," Appendix E of: National Research Council report *Department of Homeland Security Bioterrorist Risk Assessment: A Call for Change*, National Academies Press, Washington, DC

Brown, G.G., Carlyle, W.M., Harney, R., Skroch, E., and Wood, R.K., 2008, "Interdicting A Nuclear Weapons Project," *Operations Research*, to appear.

Carlyle, W.M., Royset, J.O., and Wood, R.K., 2008, "Routing Military Aircraft with a Constrained Shortest-Path Algorithm," *Military Operations Research*, to appear.

PRESENTATIONS

Alderson, D., Brown, G., Carlyle, M., Salmeron, J., and Wood, K., "Critical Infrastructure Vulnerability Analysis: Network Optimization and Interdiction," CNO Distinguished Fellows Program, Workshop on Critical Infrastructure Vulnerability Analysis, Monterey, CA, 12-14 August 2008.

Brown, G., Carlyle, M., Ghaffar, A., Kline, K., and Wood, K., "Optimizing Positions of Port Defense Radar Picket Ships - A Defender-Attacker Model," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Brown, G., Carlyle, M., Dell, R., Royset, J., Salmeron, J., and Wood, K., "The Legacy of Richard E. Rosenthal, Distinguished Professor of OR, Naval Postgraduate School," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

CHUNG

PUBLICATIONS

Chung, T.H. and Burdick, J.W., 2008, "Multi-Agent Probabilistic Search in a Sequential Decision-Theoretic Framework," *Proceedings of the 2008 IEEE International Conference on Robotics and Automation*, Pasadena, CA, 19-23 May, pp. 146-151.

Chung, T.H., 2008, "On Probabilistic Search Decisions under Searcher Motion Constraints," *Proceedings of the 2008 Workshop on the Algorithmic Foundations of Robotics*, Guanajuato, Mexico, pp. 8-10 December, to appear.

PRESENTATIONS

Chung, T.H., Kress, M., and Royset, J.O., "Spatio-Temporal Optimization for Multi-object Search and Identification," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Chung, T.H. and Burdick, J.W., "Probabilistic Search: Active Decision Making for Robots," abstract/poster at the *ESF-JSPS Frontier Science Conference for Young Researchers on Cognitive Robotics*, Kanagawa, Japan, 9-15 March 2008.

DELL

PUBLICATIONS

Dell, R.F., Royset, R.O., and Zyngirdis, I., 2008, "Optimizing Container Movement using One and Two Automated Stacking Cranes," *Journal of Industrial and Management Optimization*, to appear.

Dell, R.F., Ewing, P.L., and Tarantino, W.J., 2008, "Optimally Stationing Army Forces," *Interfaces*, pp. 421-435.

Martins, G.H.A. and Dell, R.F., 2008, "Solving the Pallet Loading Problem," *European Journal of Operational Research*, 184, pp. 429-440.

Dell, R.F., Roman, P.E., and Velasquez, J.D., 2008, "Web User Session Reconstruction Using Integer Programming," *Proceedings of the IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology*, Vol. 1, pp. 385-388.

Dell, R.F., Roman, P.E., and Velasquez, J.D., 2008 "Identificación de las sesiones de un usuario web usando un enfoque de optimización discreta," *Annales de XIV Congreso Latino-Iberoamericano de Investigación Operativa*, to appear.

PRESENTATIONS

Dell, R.F., Roman, P.E., and Velasquez, J.D., “Web User Session Reconstruction Using Integer Programming,” 2008 IEEE/WIC/ACM International Conference on Web Intelligence, Sydney, Australia, 9-12 December 2008.

Dell, R.F. and Brown, G.G., “Secrets for Success with Optimization,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Brown, G., Carlyle, M., Dell, R., Royset, J., Salmeron, J., and Wood, K., “The Legacy of Richard E. Rosenthal, Distinguished Professor of OR, Naval Postgraduate School,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Roman, P.E., Dell, R.F., and Velasquez, J.D., “Identificación de las sesiones de un usuario web usando un enfoque de optimización discreta,” XIV Congreso Latino-Iberoamericano de Investigación Operativa, Cartagena, Colombia, 9-12 September 2008.

Dell, R.F. and Sparling, S.J., “Optimal Distribution of Resources for Non-Combatant Evacuation,” Rist Prize presentation, 76th Military Operations Research Society Symposium, New London, CT, 10-12 June 2008.

EWING

PUBLICATIONS

Dell, R.F. and Sparling, S.J., “Optimal Distribution of Resources for Non-Combatant Evacuation,” Rist Prize presentation, 76th Military Operations Research Society Symposium, New London, CT, 10-12 June 2008.

FRICKER

PUBLICATIONS

Fricker, R.D., Jr. and Chang, J.T., 2008, “A Spatio-Temporal Methodology for Real-Time Biosurveillance,” *Quality Engineering*, 20, pp. 465-477.

Fricker, R.D., Jr., Knitt, M.C., and Hu, C.X., 2008, “Directionally Sensitive MCUSUM and MEWMA Procedures with Application to Biosurveillance,” *Quality Engineering*, 20, pp. 478-494.

Joner, M.D., Jr., Woodall, W.H., Reynolds, M.R., Jr., and Fricker, R.D., Jr., 2008, "A One-Sided MEWMA Chart for Health Surveillance," *Quality and Reliability Engineering International*, 24, pp. 503-519.

Fricker, R.D., Jr., Hegler, B.L., and Dunfee, D.A., 2008, "Comparing Syndromic Surveillance Detection Methods: EARS' Versus a CUSUM-Based Methodology," *Statistics in Medicine*, 27, pp. 3407-3429.

Fricker, R.D., Jr., "Syndromic Surveillance," 2008, *Encyclopedia for Quantitative Risk Assessment*, E. Melnick and B. Everitt (Eds.), John Wiley & Sons Ltd., pp. 1743-1752.

Fricker, R.D., Jr., 2008, "Sampling Methods for Web and E-mail Surveys," *The SAGE Handbook of Online Research Methods*, N. Fielding, R.M. Lee, and G. Blank (Eds.), Chapter 11, London: SAGE Publications, pp. 195-216.

Fricker, R.D., Jr., 2008, "Looking for a Few Good...Statisticians: Being a Government Statistician at the Naval Postgraduate School," *Amstat News*, August.

TECHNICAL REPORTS

Fricker, R.D., Jr. and Buttrey, S.E., 2008, "Assessing the Effects of Individual Augmentation (IA) on Active Component Navy Enlisted and Officer Retention," Naval Postgraduate School Technical Report, NPS-OR-08-003.

PRESENTATIONS

Fricker, Jr., R.D., "Using the Repeated Two-sample Rank Procedure for Detecting Anomalies in Space and Time," University of California, Riverside, Statistics Department, Riverside, CA, 18 November 2008.

Fricker, Jr., R.D., "Using Elluminate (and Similar Products) for Distance Learning Teaching," Naval Postgraduate School Brown Bag Symposium on Using Elluminate, Naval Postgraduate School, Monterey, CA, 27 October 2008.

Fricker, Jr., R.D., "Optimizing Biosurveillance Systems," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Fricker, Jr., R.D., "Detecting Anomalies in Space and Time with Application to Biosurveillance," CNO DFP Critical Infrastructure Vulnerability Workshop, Naval Postgraduate School, Monterey, CA, 15 August 2008.

Fricker, Jr., R.D., "Improving Biosurveillance: Protecting People as Critical Infrastructure," CNO DFP Critical Infrastructure Vulnerability Workshop, Naval Postgraduate School, Monterey, CA, 14 August 2008.

Fricker, Jr., R.D., "Using the Repeated Two-Sample Rank Procedure for Detecting Anomalies in Space and Time," 2008 Joint Statistical Meetings, Denver, CO, 3-7 August 2008.

Fricker, Jr., R.D. and Buttrey, S., “Assessing the Effects of Individual Augmentation on the Retention of Navy Personnel,” Western Economics Association 83rd Annual Conference, Honolulu, HI, 1-3 July 2008.

Fricker, Jr., R.D., Discussant: “Black and Hispanic Marines: Their Accession, Representation, Success and Retention in the Corps” by A. Quester et al., Western Economics Association 83rd Annual Conference, Honolulu, HI, 1-3 July 2008.

Fricker, Jr., R.D., “The Repeated Two-Sample Rank Procedure for Detecting Anomalies in Space and Time,” Quality and Productivity Research Conference, Madison, WI, 6 June 2008.

Fricker, Jr., R.D., “Optimizing Biosurveillance Systems,” Joint session of the 2008 Qualitative Methods in Defense and National Security conference and the closing workshop for the SAMSI Program on Risk Analysis, Durham, NC, 28 May 2008.

Fricker, Jr., R.D., “A Nonparametric Method for Detecting Anomalies in Space and Time,” Interface 2008 conference, Durham, NC, 31 May 2008.

Fricker, Jr., R.D., “Assessing the Effects of Individual Augmentation on Navy Retention,” Eighth Annual Navy Workforce Research and Analysis Conference, Arlington, VA, 7 May 2008.

Fricker, Jr., R.D., “Assessing the Effects of Individual Augmentation on the Retention of Navy Personnel,” 2008 West Point Workshop: “Real Data – The Art of Statistical Analysis,” United States Military Academy, West Point, NY, 17-18 April 2008.

GAVER

PUBLICATIONS

Gaver, D.P., Jacobs, P.A., and Sato, H., 2008, “Assessing Resource Requirements for Maritime Domain Awareness and Protection (Security),” *International Journal of Performability Engineering*, to appear.

Gaver, D.P., Jacobs, P.A., and Glazebrook, K.D., 2008, “Search for a Malevolent Needle in a Benign Haystack,” Chapter 6 in *Game Theoretic Risk Analysis of Security Threats*, V.M. Bier and M.N. Azaiez (Eds.), International Series in Operations Research and Management Science, Vol. 128, Springer, New York, to appear.

PRESENTATIONS

Gaver, D.P., Jacobs, P.A., Glazebrook, K.D., and Seglie, E.A., “The Economic Tradeoff Between Capability and Suitability,” Invited paper, 24th Annual National Test & Evaluation Conference, Palm Springs, CA, 25-28 February 2008.

HORNE

PUBLICATIONS

Horne, G.E. and Meyer, T.E. (Eds.), 2008, *The Scythe, Proceedings and Bulletin of the International Data Farming Community*, Issue 3, Workshop 15, pp. 1-36.

Horne, G.E. and Meyer, T.E. (Eds.), 2008, *The Scythe, Proceedings and Bulletin of the International Data Farming Community*, Issue 4, Workshop 16, pp. 1-40.

Horne, G.E. and Schwierz, K.P., 2008, "Data Farming Around the World, Overview," *Proceedings of the 2008 Winter Simulation Conference*, S.J. Mason, R.R. Hill, L. Monch, and O. Rose (Eds.), pp. 1442-1447.

PRESENTATIONS

Horne, G.E. and Schwierz, K.P., "Data Farming Around the World, Overview," 2008 Winter Simulation Conference, Miami, FL, 7-10 December 2008.

JACOBS

PUBLICATIONS

Gaver, D.P., Jacobs, P.A., and Sato, H., 2008, "Assessing Resource Requirements for Maritime Domain Awareness and Protection (Security)," *International Journal of Performability Engineering*, to appear.

Gaver, D.P., Jacobs, P.A., and Glazebrook, K.D., 2008, "Search for a Malevolent Needle in a Benign Haystack," Chapter 6 in *Game Theoretic Risk Analysis of Security Threats* V.M., Bier and M.N. Azaiez (Eds.), International Series in Operations Research and Management Science, Vol. 128, Springer, New York, to appear.

PRESENTATIONS

Gaver, D.P., Jacobs, P.A., Glazebrook, K.D., and Seglie, E.A., "The Economic Tradeoff Between Capability and Suitability," Invited paper, 24th Annual National Test & Evaluation Conference, Palm Springs, CA, 25-28 February 2008.

Jacobs, P.A., Discussant in Statistical Science Applications in National Security: A Session in Honor of Professor Donald P. Gaver, Joint Statistical Meetings, Denver, CO, August 2008.

KENNEDY

PUBLICATIONS

Kennedy, Q., 2008, "Aging, Motivation, and Autobiographical Memory," In *Issues in Psychology of Motivation*, F. Columbus (Ed.), Hauppauge, NY: Nova Science Publishers, pp. 53-64.

PRESENTATIONS

Taylor, J., Kennedy, Q., Adamson, M., Murphy, G., and Yesavage, J., "Expert Knowledge, APOE Epsilon4, and Risk for Decline in Aviation Performance," Thirty-Sixth Annual Meeting International Neuropsychological Society, Waikoloa, HI, 6-9 February 2008.

Kennedy, Q., Taylor, J., Reade, G., and Yesavage, J., "The Roles of Age and Aviation Expertise in Approach Performance Under Adverse Weather Conditions," Gerontological Society of America Annual Conference, National Harbor, MD, 21-25 November 2008. (poster)

Adamson, M., Kennedy, Q., Duong, X., Xu, X., Noda, A., Samarina, V., Murphy, G., Weiner, M., and Taylor, J., "Predicting Flight Simulator Performance with Baseline Brain Volumes, Expertise and Age in Older Pilots at Risk for Alzheimer's Disease," Cognitive Aging Conference, Atlanta, GA, 10-13 April 2008. (poster)

Adamson, M., Hutchinson, B., Rappako, S., Samarina, V., Kennedy, Q., Rosen, A., Wagner, A., and Taylor, J., "Neurocorrelates of Perspective-Dependent Spatial Memory in Middle-Aged and Older Pilots," Presented at the International Neuropsychological Society Annual Conference, Waikoloa, HI, 6-9 February 2008. (poster)

KLINE

PRESENTATIONS

Kelton, D., Brown, G., Kline, J., and Pidgeon, E., "Modeling the Effects of a Transportation Security Incident upon the Marine Transportation System," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Kelton, D., Brown, G., Kline, J., and Pidgeon, E., "Modeling the Effects of a Transportation Security Incident upon the Marine Transportation System," Presented to Mr. Owen Doherty, Director of Maritime Security, Department of Transportation, Washington, DC, 8 December 2008.

KOYAK

TECHNICAL REPORTS

Koyak, R.A., 2008, "Risk on Roads: A Modeling Approach. Part I: Estimation Models," white paper, September, 26 pages.

PRESENTATIONS

Koyak, R.A., Whitaker, L.R., and Buttrey, S.E., "Statistical Modeling of IED Events and Blue Force Activities in a Dynamic Environment," JIEDDO Program Review, Monterey, CA, 9 August 2008.

Koyak, R.A., "Estimation Models for IED Risk on Roads and Their Uses," ONR Improvised Explosive Devices (IED) Basic Research Program Review, Laurel, MD, 4-6 November 2008.

KRESS

PUBLICATIONS

Kress, M. and Royset, J.O., 2008, "Aerial Search Optimization Model (ASOM) for UAVs in Special Operations," *Military Operations Research*, 13, pp. 23-33.

Szechtman, R., Kress, M., Lin, K., and Cfir, D., 2008, "Models of Sensor Operations for Border Surveillance," *Naval Research Logistics*, 55, pp. 27-41.

Kress, M., Lin, K., and Szechtman, R., 2008, "Optimal Discrete Search with Imperfect Specificity," *Mathematical Methods of Operations Research*, 68, pp. 539-549.

Kress, M., Szechtman, R., and Jones, J., 2008, "Efficient Employment of Non-Reactive Sensors," *Military Operations Research*, 13, pp. 45-57.

Kress, M. and Szechtman, R., 2008, "Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations – A Best Case Scenario," *Operations Research*, to appear.

Lin, K., Kress, M., and Szechtman, R., 2008, "Scheduling Policies for an Antiterrorist Surveillance System," *Naval Research Logistics*, to appear.

PRESENTATIONS

Kress, M. and Szechtman, R., "Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations," Invited seminar, University of Toronto, 28 March 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” Invited seminar, Technion – Israel Institute of Technology, 7 July 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Szechtman, R. and Kress, M., “Efficient Employment of Reactive and Non-Reactive Sensors,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Chung, T., Kress, M., and Royset, J., “Spatio-Temporal Optimization for Multi-Object Search and Identification,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Kaplan, E., Kress, M., and Szechtman, R., “Confronting Elusive Insurgents,” INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” Department seminar, INSEAD, France, October 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” Intelligence Summit, Naval Postgraduate School, July 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” Urban Operations M&S Summits, Naval Postgraduate School, November 2008.

Kress, M. and Szechtman, R., “Why Defeating Insurgencies is Hard: The Effect of Intelligence in Counterinsurgency Operations,” Brief to the Sponsor, TRISA, Ft. Leavenworth, August 2008.

LIN

PUBLICATIONS

Bish, E.K., Lin, K.Y., and Hong, S., 2008, “Allocation of Flexible and Indivisible Resources with Decision Postponement and Demand Learning,” *European Journal of Operational Research*, 187(2), pp. 429-441.

Szechtman, R., Kress, M., Lin, K.Y., and Cfir, D., 2008, “Models of Sensor Operations for Border Surveillance,” *Naval Research Logistics*, 55(1), pp. 27-41.

Sibdari, S., Lin, K.Y., and Chellappan, S., 2008, "Multiproduct Revenue Management: An Empirical Study of Auto Train at Amtrak," *Journal of Revenue and Pricing Management*, 7(2), pp. 172-184.

Lennon C., McGowan J., and Lin, K.Y., 2008, "A Game-Theoretic Model for Repeated Assignment Problem Between Two Selfish Agents," *Journal of the Operational Research Society*, 59(12), pp. 1652-1658.

Kress, M., Lin, K.Y., and Szechtman, R., 2008, "Optimal Discrete Search with Imperfect Specificity," *Mathematical Methods of Operations Research*, 68, pp. 539-549.

Lin, K.Y., Kress, M., and Szechtman, R., 2008, "Scheduling Policies for an Antiterrorist Surveillance System," *Naval Research Logistics*, to appear.

Lin, K.Y. and Sibdari, S., "Dynamic Price Competition with Discrete Customer Choices," *European Journal of Operational Research*, to appear.

Kao, C., Robertson, C., and Lin, K.Y., 2008, "Performance Analysis and Simulation of Cyclic Code-Shift Keying," *Proceedings of the IEEE Military Community Conference*, to appear.

PRESENTATIONS

Lin, K.Y., "A Game-Theoretic Model for Jamming Radio-Controlled Improvised Explosive Devices," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

LUCAS

PUBLICATIONS

Sanchez, S.M., Wan, H., and Lucas, T.W., 2008, "A Two-Phase Screening Procedure for Simulation Experiments," *ACM Transactions on Modeling and Computer Simulation*, to appear.

PRESENTATIONS

Lucas, T.W. and Sanchez, S.M., "Agent-Based Models in the Department of Defense: Motivation, History, and Applications," NISS Agent-Based Modeling Workshop, National Institute of Statistical Sciences, Research Triangle Park, NC, 20-21 November 2008.

Lucas, T.W., "SEED Center Support for JIEDDO," Naval Postgraduate School Foundation, Monterey, CA, 29 October 2008.

Lucas, T.W. and Sanchez, S.M., "Efficient Design of Experiments at the Naval Postgraduate School," Universität der Bundeswehr, Munich, Germany, 30 September 2008.

Draft, 1 April 2009

Lucas, T.W. and Sanchez, S.M., “Better than a Petaflop: The Power of Efficient Experimental Design,” International Data Farming Workshop 17, Garmisch-Partenkirchen, Germany, 23 September 2008.

Lucas, T.W., “The Bootstrap: Or, What to do When My Statistics Book Fails Me!” National Assessment Group, Kirtland Air Force Base, Albuquerque, NM, 24 January 2008.

MCCAULEY

PRESENTATIONS

McCauley, M.E., “Concurrent Experiment on C4I, CMS Integration, WICS, Conformal Battery, and Power Consumption.” Scripted Network Briefing for Future Warrior Technology Integration Program, U.S. Army Soldier Systems Center, Natick, MA, 15 October 2008.

MEYER

PRESENTATIONS

Murphree, T. and Meyer, D., 2008, “Long Term Changes in Tropical Cyclone Activity in the Western North Pacific,” 33rd Annual Climate Diagnostics and Prediction Workshop, Lincoln, NE, 21 October 2008.

MILLER

PUBLICATIONS

Miller, N.L., Shattuck, L.G., Panagiotis, M., and Dyche, D., 2008, “Sleep and Academic Performance in U.S. Military Training and Education Programs,” *International Mind, Brain and Education Society*, Vol. 2, No. 1, pp. 29-33.

TECHNICAL REPORTS

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