

Joseph Geunes

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Academic Positions

The University of Florida, Gainesville, Florida

Department of Industrial and Systems Engineering

Associate Professor, August 2004 to present

Associate Chair, November 2005 to present

Director, Outreach Engineering Management (OEM) Professional Master's Program, October 2006 to present

Graduate Coordinator, August 2000 to August 2004

Co-Founder and Co-Director, Supply Chain And Logistics Engineering (SCALE) Center

(<http://www.ise.ufl.edu/scale>), June 2002 to present

Assistant Professor, August 1998 to August 2004

Education

The Pennsylvania State University, University Park, Pennsylvania

Smeal College of Business Administration

Ph.D. in Business Administration (Management Science) and Operations Research, 1999

Master of Business Administration, with honors, 1993

Drexel University, Philadelphia, Pennsylvania

B.S. in Electrical Engineering, Magna cum Laude, 1990

Funded Research

- Collaborative Research: Mitigating the Cost of Anarchy in Complex Supply Chain Systems (PI), #CMMI-0927930 (collaborative research with H. Edwin Romeijn at the University of Michigan; 2009-2012; \$172,411)
- Characterizing the Tradeoffs and Costs Associated with Transportation Congestion in Supply Chains (PI); Center for Multimodal Solutions for Congestion Mitigation, CMS #2008-004 (2008-09; \$57,475)
- Solving Multi-Channel Resource Allocation Problems under Uncertainty (PI); Merck & Co. (2006-08; \$41,820)
- Solving Tactical Logistics Planning Problems Under Uncertainty (Co-PI with PI H. Edwin Romeijn); NSF Grant #DMI-0355533 (2004-08; \$245,984)
- Optimizing Linkages in Multistage Production/Distribution Systems (PI); NSF Grant #DMI-0322715 (2003-07; \$168,356)
- Center for Engineering Logistics and Distribution (CELDi): A Multi-Campus I/UCRC for Supply Chain Research (PI with Co-PI Elif Akçalı); NSF Grant #EEC-0449802 (2004-05; \$97,900)
- WORKSHOP: Supply Chain Management with Focus on Green Supply Chain Management, International Supply Chain Management, Auctions and Pricing Strategy; Feb. 28-Mar. 2, 2004, Gainesville, FL (Co-PI with Z.J. Shen) NSF Grant #DMI-0345162 (2003-04; \$15K)
- A Multi-Campus I/UCRC for Supply Chain Research (PI); NSF Grant #EEC-0245375 (2003-04; \$10K plus College and Department Matching Funds)
- Merck & Co. Scheduling Research Project (PI, 2003-05; \$102,016)

- Flexible Production Networks Phase II: SEEK - Scalable Extraction of Enterprise Knowledge (Co-PI with S. Bai, J. Hammer, R. Issa, M. Schmalz, and W. O'Brien); NSF Grant #CMS-0122193 (2001-04; \$638,924)
- A Simulation Tool for Improving Operations Planning at Motorola GTSS (PI with Co-PI H.E. Romeijn, 2003; \$44K)
- Motorola Global Telecommunications Solutions Sector Inventory Optimization (PI with Co-PIs E. Akçali and H.E. Romeijn, 2002-03; \$35K)
- Theory and Methodologies to Support the Operation of Flexible Production Networks (Co-PI with S. Bai, D. Conway, J. Hammer, R. Issa, and W. O'Brien); NSF Grant # CMS-0075407 (2000-01; \$199,940)
- Workshop: Collaboration and Negotiation in Supply Chain Management and eCommerce (PI with Co-PI S. Bai); NSF Grant #DMI-0131527 (2001-02; \$10K plus College and Department Matching Funds)
- 1997 ISBM Doctoral Dissertation Support Competition (1997-99; \$5K)

Graduate Students

Graduated Ph.D. Students

- Co-Advisor, Chase Rainwater (Ph.D. completed 2009). Thesis topic: *Resource Constrained Assignment Problems with Flexible Customer Demand*. Accepted position as Assistant Professor at the University of Arkansas, Fayetteville (IE).
- Advisor, Semra Ağralı (Ph.D. completed 2009). Thesis topic: *Optimal Supply Chain Planning Problems with Nonlinear Revenue and Cost Functions*. Accepted position as Assistant Professor at Bahçeşehir University, Turkey (IE).
- Advisor, Ismail Serdar Bakal (Ph.D. completed 2007). Thesis topic: *Demand Management Models for Two-Echelon Supply Chains*. Currently Assistant Professor at Middle East Technical University, Turkey (IE).
- Advisor, Yasemin Merzifonluoğlu (Ph.D. completed 2006). Thesis topic: *Optimization Models for Integrated Production, Capacity, and Revenue Management*. Currently Assistant Professor at Middle East Technical University (Northern Cyprus).
- Co-Advisor, Robert Murphey (Ph.D. completed 2005). Thesis topic: *Integrated Assignment and Path Planning*. Currently at Air Force Research Laboratories.
- Advisor, Kevin M. Taaffe (Ph.D. completed 2004). Thesis topic: *Models for Optimal Utilization of Operations Resources under Demand Selection Flexibility*. Currently Assistant Professor at Clemson University (IE).
- Advisor, Bibo Yang (Ph.D. completed August 2004). Thesis topic: *Models and Algorithms for Operations Scheduling Problems with Processing-Time and Lead-Time Flexibility*. Currently Assistant Professor at Hong Kong Polytechnic University (Logistics Department).
- Co-Advisor, Burak Eksioğlu (Ph.D. completed 2002). Thesis title: *Network Algorithms for Supply Chain Optimization Problems*. Currently Assistant Professor at Mississippi State University (ISE).

Current Ph.D. Students

- Advisor, Dincer Konur (Ph.D. expected 2011). Thesis topic TBD.
- Advisor, Shuang Chen (Ph.D. expected 2011). Thesis topic TBD.
- Advisor, Shantih Spanton (Ph.D. expected 2012). Thesis topic TBD.

Graduated M.S. Students with Thesis

- Advisor, Rajat Agarwal (M.S. with thesis completed 2003). Thesis title: *A Model for Minimizing Cost for Housing Laboratory Mice.*
- Advisor, Akin Emir (M.S. with thesis completed 2002). Thesis title: *Pricing Models for Maximizing Profit from Delivery Route Based Services.*
- Advisor, Kannan Rao (M.S. with thesis completed 2002). Thesis title: *Theory and Methodologies to Support Telephony Applications in VXML for Voice Enabled Electronic Commerce.*
- Advisor, Abu Hilal-Laith (M.E. with thesis completed 2001). Thesis title: *Supply Chain Inventory Control: A Comparison Between JIT, MRP, and MRP with Information Sharing using Simulation Modeling.*
- Advisor, Pradeep Kumar (M.S. with thesis completed 2001). Thesis title: *Agent Based Multi-Retailer, Single-Supplier Negotiation Model.*
- Advisor, Jyoti Khetan (M.S. with thesis completed 2001). Thesis title: *Location Based Approaches for Solving Large-Scale Requirements Planning Problems with Component Substitution Options.*
- Advisor, Jason LaRoche (M.S. with thesis completed 2001). Thesis title: *A Lagrangian Relaxation-Based Heuristic Approach to Solving the Joint Location-Inventory Problem.*
- Advisor for 202 non-thesis Master's degree graduates, 1998 – present.
- Member of additional 51 Ph.D. committees (38 graduated) and 13 Master's thesis committees (12 graduated).

Refereed Journal Articles

- Geunes, J., R. Levi, H.E. Romeijn, D.B. Shmoys. 2009. Approximation Algorithms for Supply Chain Planning Problems with Market Choice. Forthcoming in *Mathematical Programming*.
- Sharkey, T.C., H.E. Romeijn, J. Geunes. 2009. A Class of Nonlinear Nonseparable Continuous Knapsack and Multiple-Choice Knapsack Problems. Forthcoming in *Mathematical Programming*.
- Taaffe, K., J. Geunes, H.E. Romeijn. 2008. Stochastic Customer Demand Assignment in a Network of Facilities. Forthcoming in the *European Journal of Operational Research*.
- Ağralı, S. and J. Geunes. 2009. A Single-Resource Allocation Problem with Poisson Resource Requirements. Forthcoming in *Optimization Letters*.
- Ağralı, S. and J. Geunes. 2009. Solving Knapsack Problems with S-Curve Return Functions. *European Journal of Operational Research* 193, 605-615.
- Geunes, J., Y. Merzifonluoğlu, H.E. Romeijn. 2009. Capacitated Procurement Planning with Price-Sensitive Demand and General Concave Revenue Functions. *European Journal of Operational Research* 194, 390-405.
- Rainwater, C., J. Geunes, H.E. Romeijn. 2009. The Generalized Assignment Problem with Flexible Jobs. *Discrete Applied Mathematics* 157(1), 49-67.
- Bakal, I.S., J. Geunes. 2009. Order Timing Strategies in a Single-Supplier, Multi-Retailer System. Forthcoming in the *International Journal of Production Research*.
- Bakal, I.S. and J. Geunes. 2008. Analysis of Order Timing Tradeoffs in Multi-Retailer Supply Systems. Forthcoming in the *International Journal of Production Research*.
- Yang, B. and J. Geunes. 2008. Independent Inventory Control in Multi-Component Assemble-to-Order Systems. Forthcoming in *International Journal of Operational Research*.
- Bakal, I.S., J. Geunes, H.E. Romeijn. 2008. Market Selection Decisions for Inventory Models with Price-Sensitive Demand. *Journal of Global Optimization* 41(4), 633-657.
- Taaffe, K., J. Geunes, H.E. Romeijn. 2008. Target Market Selection with Demand Uncertainty: The Selective Newsvendor Problem. *European Journal of Operational Research* 189(3), 987-1003.

- Yang, B., J. Geunes. 2008. Predictive-Reactive Scheduling on a Single Resource with Uncertain Future Jobs. *European Journal of Operational Research* 189(3), 1267-1283.
- Burke, G., J. Geunes, H.E. Romeijn, A. Vakharia. 2007. Allocating Procurement to Capacitated Suppliers with Concave Quantity Discounts. *Operations Research Letters* 36, 103-109.
- Choi, J., S.X. Bai, J. Geunes, H.E. Romeijn. 2007. Manufacturing Delivery Performance for Supply Chain Management. *Mathematical and Computer Modelling* 45, 11-20.
- Geunes, J., Z.-J. Shen, A. Emir. 2007. Planning and Approximation Models for Delivery Route Based Services with Price-Sensitive Demands. *European Journal of Operational Research* 183(1), 460-471.
- Merzifonluoğlu, Y., J. Geunes, H.E. Romeijn. 2007. Integrated Capacity, Demand, and Production Planning with Subcontracting and Overtime Options. *Naval Research Logistics* 54(4), 433-447.
- Romeijn, H.E., J. Geunes, K. Taaffe. 2007. On a Nonseparable Convex Maximization Problem with Continuous Knapsack Constraints. *Operations Research Letters* 35, 172-180.
- Yang, B., J. Geunes. 2007. Inventory and Lead-Time Planning with Lead-Time Sensitive Demand. *IIE Transactions* 39(5), 439-452.
- Yang, B., J. Geunes. 2007. A Single Resource Scheduling Problem with Job-Selection Flexibility, Tardiness Costs and Controllable Processing Times. *Computers & Industrial Engineering* 53, 420-432.
- Geunes, J., H.E. Romeijn, K. Taaffe. 2006. Requirements Planning with Pricing and Order Selection Flexibility. *Operations Research* 54(2), 394-401.
- Jiang, L., J. Geunes. 2006. Impact of Introducing Make-to-Order Options in a Make-to-Stock Environment. *European Journal of Operational Research* 174(2), 724-743.
- Merzifonluoğlu, Y., J. Geunes. 2006. Uncapacitated Production and Location Planning Models with Demand Fulfillment Flexibility. *International Journal of Production Economics* 102, 199-216.
- Choi, J., Cao, J., H.E. Romeijn, J. Geunes, S.X. Bai. 2005. A Stochastic Multi-item Inventory Model with Unequal Replenishment Intervals and Limited Warehouse Capacity. *IIE Transactions* 37(12), 1129-1142.
- Huang, W., H.E. Romeijn, J. Geunes. 2005. The Continuous-Time Single-Sourcing Problem with Capacity Constraints and Expansion Opportunities. *Naval Research Logistics* 52(3), 193-211.
- Balakrishnan, A., J. Geunes, M.S. Pangburn. 2004. Coordinating Supply Chains by Controlling Upstream Variability Propagation. *Manufacturing & Service Operations Management* 6(2), 163-183.
- Geunes, J. Z.J. Shen, H.E. Romeijn. 2004. Economic Ordering Decisions with Market Choice Flexibility. *Naval Research Logistics* 51(1), 117-136.
- Yang, B., J. Geunes, W.J. O'Brien. 2004. A Heuristic Approach for Minimizing Weighted Tardiness and Overtime Costs in Single Resource Scheduling. *Computers & Operations Research* 31(8), 1273-1301.
- Balakrishnan, A., J. Geunes. 2003. Production Planning with Flexible Product Specifications: An Application to Specialty Steel Manufacturing. *Operations Research* 51(1), 94-112.
- Geunes, J., P.M. Pardalos. 2003. Network Optimization in Supply Chain Management and Financial Engineering: An Annotated Bibliography. *Networks* 42(2), 66-84.
- Geunes, J. 2003. Solving Large-Scale Requirements Planning Problems with Component Substitution Options. *Computers & Industrial Engineering* 44(3), 475-491.
- Geunes, J., A.Z. Zeng. 2003. Optimizing Supply Shortage Decisions in Base-Stock Distribution Operations. *Journal of Global Optimization* 26(1), 25-42.
- O'Brien, W.J., R. Issa, J. Hammer, M. Schmalz, J. Geunes, S. Bai. 2002. SEEK: Accomplishing enterprise information integration across heterogeneous sources, *ITCON: Electronic Journal of Information Technology in Construction* 7, 101-124.
- Geunes, J., R. Ramasesh, J. Hayya. 2001. Adapting the Newsvendor Model for Infinite-Horizon Inventory Systems. *International Journal of Production Economics* 72(3), 237-250.

- Geunes, J., A.Z. Zeng. 2001. Impacts of Inventory Shortage Policies on Transportation Requirements in Two-Stage Distribution Systems. *European Journal of Operational Research* 129(2), 299-310.
- Balakrishnan, A., J. Geunes. 2000. Requirements Planning with Substitutions: Exploiting Bill-of-Materials Flexibility in Production Planning. *Manufacturing & Service Operations Management* 2(2), 166-185.

Papers Under Review and Working Papers

- Merzifonluoğlu, Y., J. Geunes, H.E. Romeijn. 2008. The Static Stochastic Knapsack Problem with Normally Distributed Item Sizes. Submitted for publication.
- Chen, S. and J. Geunes, 2009. Optimal Allocation of Stock Levels and Stochastic Customer Demands to a Capacitated Resource. Submitted for publication.
- Rainwater, C., J. Geunes, H.E. Romeijn. 2009. Capacitated Facility Location with Single-Source Constraints and Flexible Demand. Submitted for publication.
- Rainwater, C., J. Geunes, H.E. Romeijn. 2009. A Facility Neighborhood Search Heuristic for Capacitated Facility Location with Single-Source Constraints and Flexible Demand. Submitted for publication.
- Sharkey, T.C., J. Geunes, H.E. Romeijn, Z.-J. Shen. 2009. Exact Algorithms for Integrated Facility Location and Production Planning Problems. Submitted for publication.
- Van den Heuvel, W., Kundakçioğlu, O.E., J. Geunes, H.E. Romeijn, T.C. Sharkey, and A.P.M. Wagelmans. 2009. Integrated Market Selection and Production Planning: Complexity and Solution Approaches. Submitted for publication.
- Ağralı, S., J. Geunes, Z.C. Taşkin. 2009. A Facility Location Model with Safety Stock Costs: Analysis of the Cost of Single-Sourcing Requirements. Submitted for publication.
- Konur, D., J. Geunes. 2009. A Competitive Location-Supply Game with Convex Traffic Congestion Costs. Submitted for publication.
- Konur, D., J. Geunes. 2009. A Facility Location Problem with Supply Competition in a Congested Network. Submitted for publication.

Refereed Book Chapters

- Geunes, J., K. Taaffe. 2007. Transportation Systems Overview, Chapter 14 in *The Handbook of Logistics Engineering* (G.D. Taylor, Ed.), Taylor and Francis.
- Geunes, J., Y. Merzifonluoğlu, H.E. Romeijn, K. Taaffe. 2005. Demand Selection and Assignment Problems in Supply Chain Planning, in *TutORials in Operations Research*, INFORMS.
- Taaffe, K., J. Geunes. 2004. Models for Integrated Customer Order Selection and Requirements Planning Decisions under Limited Production Capacity, in *Supply Chain and Finance* (P.M. Pardalos, A. Migdalas, and G. Baourakis, Eds.), World Scientific.
- Balakrishnan, A., J. Geunes, M.S. Pangburn. 2002. Coordinating the Distribution Chain: New Models for New Challenges. Chapter 9 in *Supply Chain Management: Models, Applications, and Research Directions*, (J. Geunes, P.M. Pardalos, H.E. Romeijn, eds.), Kluwer Academic Publishers.
- Geunes, J., B. Chang. 2001. Operations Research Models for Supply Chain Management and Design. *Encyclopedia of Optimization* v4 (C.A. Floudas and P.M. Pardalos, eds.), 133-144, Kluwer.

Edited Books and Special Issues of Journals

- Geunes, J., P.M. Pardalos, eds. *Supply Chain Optimization*, Springer, New York (2005).
- Geunes, J., E. Akçali, P.M. Pardalos, H.E. Romeijn, Z.J. Shen, eds. *Applications of Supply Chain Management and E-Commerce Research*, Springer, New York (2005).
- Geunes, J., P.M. Pardalos, H.E. Romeijn, eds., *Supply Chain Management: Models, Applications, and Research Directions*, Kluwer Academic Publishers, Dordrecht, The Netherlands (2002).
- Special Issue of *Journal of Industrial and Management Optimization* on Supply Chain Optimization (J. Geunes, P.M. Pardalos, Guest Editors), 3(1), February 2007.
- Special Issue of *Production and Operations Management* on Collaboration and Coordination in Supply Chain Management and E-Commerce (A. Balakrishnan, J. Geunes, Guest Editors) 13(1), Spring 2004.

Refereed Conference Proceedings

- Bakal, I.S., J. Geunes. 2007. Early versus Delayed Commitments in Multi-Retailer Inventory Systems. *Proceedings of the 2007 Industrial Engineering Research Conference*, G. Bayraksan, W. Lin, Y. Son, and R. Wysk, eds.
- Sharkey, T., J. Geunes, H.E. Romeijn. 2006. An Analysis of a Class of Nonlinear Knapsack Problems. *Proceedings of the 2006 Industrial Engineering Research Conference (IERC)*, Orlando.
- Levi, R., J. Geunes, H.E. Romeijn, D.B. Shmoys. 2005. Inventory and Facility Location Models with Market Selection. *Proceedings of 2005 Integer Programming and Combinatorial Optimization (IPCO) Conference*, Springer's Lecture Notes in Computer Science.
- Taaffe, K., J. Geunes, H.E. Romeijn. 2005. Capacity Acquisition and Stochastic Customer Demand Assignment in a Network of Facilities. *Proceedings of the 2005 Industrial Engineering Research Conference (IERC)*, Atlanta.
- Huang, W., J. Geunes, H.E. Romeijn. 2004. Multi-period Production Planning with Product Specification Flexibility. *Proceedings of the 2004 Industrial Engineering Research Conference (IERC)*, Houston.
- Merzifonluoglu, Y., J. Geunes. 2004. The Order Selection Problem with Demand Time Windows. *Proceedings of the 2004 Industrial Engineering Research Conference (IERC)*, Houston.
- Taaffe, K., J. Geunes, H.E. Romeijn. 2004. Market Entrance and Product Ordering Decisions under Demand Uncertainty. *Proceedings of the 2004 Industrial Engineering Research Conference (IERC)*, Houston.
- Yang, B. and J. Geunes. 2004. Models for integrated inventory and lead-time planning. *Proceedings of the 2004 Industrial Engineering Research Conference (IERC)*, Houston.
- Geunes, J., H.E. Romeijn, K. Taaffe. 2002. Models for Integrated Production Planning and Order Selection. *Proceedings of Industrial Engineering Research Conference (IERC)*, Orlando, May 2002.
- Geunes, J., J. Hayya. 1997. The Newsvendor Model: A Dynamic Heuristic for Infinite-Horizon Inventory Analysis. *Conference Proceedings DSI National Meeting*, San Diego, November 1997.

Book Reviews

- Geunes, J. 2002. Review of *Foundations of Inventory Management*, by Paul H. Zipkin (McGraw-Hill, Burr Ridge Illinois, 2000), *Interfaces* 32(1), 105-106.
- Geunes, J. 2003. Review of *Financial Engineering, E-commerce, and Supply Chain*, P.M. Pardalos and V.K. Tsitsiringos (Eds.) (Kluwer Academic Publishers, Applied Optimization Series, v70, Dordrecht, 2002), *Optimization Methods and Software* 18(3), 357-358.

Professional Activities

Editorial Responsibilities

- Associate Editor, *Decision Sciences* journal, January 2005 – Present.
- Associate Editor, *OMEGA*, August 2008 – Present.
- Area Editor, Logistics and Inventory Systems, *Computers & Industrial Engineering*, January 2008 – Present.
- Member of Editorial Board, *Production and Operations Management* journal, 2003 – Present.
- Member of Editorial Board, *International Journal of Inventory Research*, August 2006 – Present.
- Member of Editorial Board, *Manufacturing & Service Operations Management* journal 2003 – 2006.
- Reviewed articles for *Management Science*, *Operations Research*, *Interfaces*, *M&SOM*, *IIE Transactions*, *Naval Research Logistics*, *Networks*, *INFORMS J. on Computing*, *Decision Sciences*, *Telecom. Systems*, *Production and Operations Mgmt.*, *Eur. J. of Oper. Res.*, *Int. J. of Production Economics*, *Int. J. of Production Research*, *J. of Global Opt.*, *Computational Optimization and Applications*, *Computers & OR*, *Computers & IE*, *IBM Systems J.*, *J. of Operations Management*, *Optimization and Engineering*, *OR Spectrum*, *IEEE Trans. on Automation Sci. and Eng.*, *OR Letters*, *Computers & Mathematics with Applications*.

Conference Organization

- Co-Program Chair (with J. Cole Smith), 2009 Industrial Engineering Research Conference.
- Member of Organizing Committee, 2009 POMS Supply Chain College meeting, June 2008 – Present.
- POMS 2007 Conference Track Chair, *Optimization Models for Operations*.
- INFORMS 2006 Annual Meeting Supply Chain Management Cluster Co-Chair (with A. Balakrishnan).
- Planning committee member, 2005 Industrial Engineering Research Conference, May 2005, Atlanta.
- Planning committee member, 2004 Industrial Engineering Research Conference, May 2004, Houston.
- Co-chaired and Co-organized Annual Supply Chain and Logistics Engineering (SCALE) Conference, Feb. 27 – Mar. 1, 2003, Feb. 27 – Mar. 4, 2004, Feb. 25–27, 2005, Feb. 25-26, 2006, Feb. 16-17, 2007.
- Chaired and Co-organized NSF Workshop on Collaboration and Negotiation in Supply Chain Management and E-Commerce, Feb. 26-27, 2002 and Conference on Optimization in Supply Chain Management and E-Commerce, Feb. 28 – Mar. 2, 2002, Gainesville, FL.
- INFORMS Miami 2001 Organizing Committee member.

Committee, Professional Organization, and Advisory Board Memberships

- MSOM 2009 Best Paper Competition Judge.
- INFORMS 2009 Junior Faculty Interest Group (JFIG) Best Paper Committee Member.
- Member, *INFORMS Journal on Computing*, Editor-in-Chief Review/Reappointment Committee, 2009.
- Advisory council member, Florida Banner Center for Logistics and Distribution, March 2008 – Present.
- INFORMS Conference Interactive Presentation Judge, Washington, DC, October, 2008.
- INFORMS Publications Committee, February 2008 – Present.
- Search committee member, *Management Science* Editor-in-Chief, 2008.
- MSOM 2008 Student Paper Competition Judge.
- POMS 2008 Supply Chain Management Best Student Paper Committee Member.
- MSOM 2008 Conference Review Board.
- POMS 2007 Supply Chain Management Best Student Paper Committee Member.
- *IIE Transactions* Best Paper Committee, Scheduling and Logistics Focus, July 2005 – June 2006.

- INFORMS 2006 Junior Faculty Interest Group (JFIG) Best Paper Committee Member.
- MSOM 2006 Conference Review Board.
- INFORMS 2005 Junior Faculty Interest Group (JFIG) Best Paper Committee Chair.
- INFORMS George E. Nicholson Best Student Paper Competition Committee Member, 2004, 2005.
- Member of INFORMS since 1997.
- Member of IIE since 2003.

Conference Session Chair

- “Optimization Models for Operations Planning,” INFORMS 2008 Annual Meeting, Washington, DC.
- “Multi-Stage Supply Chain Operations Planning,” 2007 Industrial Engineering Research Conference, Nashville.
- “Supply Chain Operations Planning,” INFORMS 2006 Annual Meeting, Pittsburgh.
- Presenter, Tutorial: Integrated Production and Demand Planning Models, INFORMS 2005 Annual Meeting, San Francisco.
- “JFIG Paper Competition I & II,” INFORMS 2005 Annual Meeting, San Francisco.
- “Nonlinear Optimization,” INFORMS 2004 Annual Meeting, Denver.
- “Integrated Production and Demand Planning,” INFORMS 2003 Annual Meeting, Atlanta.
- INFORMS 2002 National Meeting, San Jose, CA, “Single Machine Scheduling” and “Managing Demand in Supply Chains” (also organized the latter session).
- “Models for Supply Chain Management,” INFORMS Fall 2000 Meeting, San Antonio.
- “Managing Product Variety III,” INFORMS Spring 2000 Meeting, Salt Lake City.
- “Network Applications in Production and Logistics,” International Symposium on Mathematical Programming (ISMP) 2000, Atlanta, Aug. 2000.

Additional Professional Activities

- Advisor, University of Florida Chapter, Alpha Pi Mu Honor Society, Fall 1998 – Spring 2000
- NSF Panel Reviewer, 2001, 2002, 2003, 2008
- Visiting Scholar, Erasmus University, June 2008.

Invited Lectures

- University of Michigan, Industrial and Operations Engineering Department Seminar, Optimal Allocation of Stock Levels and Stochastic Customer Demands to a Capacitated Resource, Ann Arbor, MI, September, 2009.
- University of Wisconsin, Madison, Industrial and Systems Engineering Department Seminar, Integrated Facility Location and Production Planning Problems, Madison, WI, March, 2009
- University of Pittsburgh, Industrial Engineering Department Seminar, Stochastic Demand Assignment in a Network of Facilities, Pittsburgh, PA, November, 2008
- Mississippi State University, Industrial and Systems Engineering Department, A Facility Location Model with Safety Stock Costs: Analysis of the Cost of Single-Sourcing Requirements, Starkville, MS, October, 2008
- Erasmus University, Econometrics Institute, The Static Stochastic Knapsack Problem with Normally Distributed Item Sizes, Rotterdam, The Netherlands, June, 2008
- Virginia Tech, Industrial and Systems Engineering Department, Integrated Market Selection and Production Planning: Complexity and Solution Approaches, Blacksburg, VA, February, 2008

- North Carolina State University IE/OR Seminar, Integrated Market Selection and Production Planning: Complexity and Solution Approaches, Raleigh, NC, November, 2007
- University of Texas at Dallas Graduate Seminar, Integrated Market Selection and Production Planning: Complexity and Solution Approaches, Dallas, TX, October, 2007
- Penn State University Operations Research Colloquium, Capacitated Procurement Planning with Price-Sensitive Demand and General Concave Revenue Functions, University Park, PA, January 2007
- University of Maryland, Robert H. Smith School of Business, Decision & Information Technologies Department Seminar Series, Models for Integrated Demand and Inventory Planning with Price-Sensitive Demand, College Park, MD, September 22, 2006
- Clemson University Industrial Engineering Department, Capacity, Demand, and Production Planning with Subcontracting and Overtime Options, Clemson, SC, October 21, 2005
- Université Laval, Department of Operations and Decision Systems, Capacity, Demand, and Production Planning with Subcontracting and Overtime Options, Québec City, October 11, 2005
- Case Western Reserve University, Weatherhead School of Management, Models for Integrated Production and Demand Planning, September 16, 2004
- Penn State University Operations Research Colloquium, Models for Integrated Production and Demand Planning, University Park, PA, December 2003
- Virginia Tech, Industrial and Systems Engineering Department, Models for Integrated Operations and Demand Planning, Blacksburg, VA, February 2003
- International Workshop on Optimization in Supply Chain Planning, Integrated Production Planning & Order Selection Decisions, Maastricht, The Netherlands, June 2002
- Penn State University Operations Research Colloquium, Production Planning with Market Choice Flexibility, April 3, 2001
- Graduate Seminar Series, Lehigh University, Industrial and Manufacturing Eng. Dept., Production Planning with Market Choice Flexibility, March 30, 2001

Teaching Experience

Courses Taught at the University of Florida (*Instructor evaluation scores on a 5.0 scale shown for most recent courses*)

- Applied Probability Methods in Engineering (Graduate) Fall 2007, 2008
(4.42 Instructor Overall Rating, 24 respondents, Fall 2008)
- Models for Supply Chain Management (Graduate, On Campus) Fall 1999 – 2006, (Outreach Engineering Management Program) Summer 2001 – 2009
(4.45 Instructor Overall Rating, 42 respondents, Summer 2008)
- Advanced Production & Inventory Control (Graduate) Fall 1998, Spring 1999, 2000, 2005, 2008, and 2009
(4.44 Instructor Overall Rating, 26 respondents, Spring 2009)
- Operations Research 1 (Undergraduate; Deterministic Models) Spring 2003, 2004
- Production Systems Analysis and Design (Senior Project Course) Summer/Fall 2002, Fall 2003
- Production & Distribution Systems (Undergraduate) Fall 1998, Spring/Fall 1999, Spring & Fall 2000, Spring & Fall 2001
- Manufacturing Management (Graduate Outreach Engineering Management Program) Summer 2000
- Matrix and Numerical Methods (Undergraduate), Summer 1999
- Topics in Optimization, Spring 2000 (Ph.D. level, 2-week module on decomposition methods)
- Linear Programming Extensions (Ph.D. level) Summer 2001

- Supply Chain Modeling (1-credit Graduate Reading Course) Spring 2000

Courses Taught at Penn State University

- Models and Methods for Managerial Decision Making (course instructor) Fall 1996
- Business Statistics (course instructor) Summer 1995

Industry Experience

AT&T, Bedminster, New Jersey, 1990 to 1992

Network Development Project Manager, 800 Services Product Development Division. Managed phases of design, development, testing and deployment of new 800 service technologies.

Cooperative Education Work Experience

Employment through Drexel University's Cooperative Education Program:

- Bell of Pennsylvania; Philadelphia, Pennsylvania, Summer/Fall 1988 & Summer 1989
- Metropolitan Edison; Reading, Pennsylvania, Summer/Fall 1987
- McNeil Consumer Products Company; Fort Washington, Pennsylvania, Fall, 1986

Honors/Awards

- Received *Manufacturing & Service Operations Management* journal's 2005 Meritorious Service Award
- Invited to participate in "Emerging Scholars" session for junior faculty development at the Production and Operations Management Society World Conference, 2004
- Appointed to Young Researchers Roundtable, INFORMS Conference on OR/MS Practice, Phoenix AZ, May 2003
- Recognized for excellence in Mentoring by the National Science Foundation and University of Florida Alliance for Graduate Education and the Professoriate (AGEP), April 2003
- Awarded University of Florida ISE department Outstanding Faculty Member by Alpha Pi Mu and IIE student groups, Spring 1999, Fall 1999, and Spring 2004
- Phi Kappa Phi National Honor Society, 1997
- Penn State Executive Programs Scholarship, 1994 - 1997
- Penn State Graduate School Fellowship, 1992 - 1993
- Eta Kappa Nu Electrical Engineering Honor Society, 1989