

CHERYL GAIMON
Scheller College of Business
Georgia Institute of Technology
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EDUCATION

Carnegie Mellon University, Graduate School of Industrial Administration (now Tepper School of Business)

Ph.D. in Operations Research, and M.S. in Industrial Administration.

Brooklyn College, City University of New York

B.S. (Dual Major) in Mathematics and Economics (Magna cum Laude).

EMPLOYMENT

Georgia Institute of Technology, Scheller College of Business

Esther and Edward Brown Chair, May 2013 – present.

Regents Professor, July 2005 – present.

Director, Management of Technology Certificate Program, March 1999 – present.

Area Coordinator for Operations Management, August 2014 – August 2015.

Richard and Carol Kalikow Professorship, August 2007 – 2012.

Full Professor, September 1991 – June 2005.

Area Coordinator of Operations Management, June 1988 - June 1995.

Associate Professor, June 1988 - August 1991.

The Ohio State University, College of Business

Associate Professor, September 1987 - May 1988.

Assistant Professor, September 1981 - August 1987.

RESEARCH AND TEACHING INTERESTS

- Innovation and technology management
- Managing knowledge intensive services (focus on games of client and provider)
- Knowledge management (knowledge development, transfer, and depreciation)
- Strategic alliances for knowledge (between competitors and non-competing firms)
- Technology and workforce integration (e.g., dynamic forces, uncertainty, incentives)
- New product development (radical versus incremental, product and process integration)
- Knowledge management & entrepreneurship (exploration, exploitation, ambidexterity)
- Sustainability strategies (public policy incentives versus firm internal drivers)

RESEARCH

Refereed Publications

Gaimon, Cheryl, Janice Carrillo, "Successful Innovation and the Alignment of Knowledge Workers at the Executive, Management, and Technical Specialist Levels," Production and Operations Management, Special Issue on 30th Anniversary, Volume 31, No. 12, 2022, 4589-4598.

Gaimon, Cheryl, Karthik Ramachandran, "The Knowledge Value Chain: An Operational Perspective," Production and Operations Management, Volume 30, No. 3, 2021, 715-724.

Xiao, Wenli, Cheryl Gaimon, Ravi Subramanian, Markus Biehl, "Firm Level Environmental Strategies," Production and Operations Management, Volume 28, No. 2, 2019, 407-420.

Gaimon, Cheryl, Manpreet Hora, Karthik Ramachandran, "Towards Building Multidisciplinary Knowledge of Management of Technology: An Introduction to the Special Issue," Production and Operations Management, Special Issue on Management of Technology, Volume 26, No. 4, 2017, 567-578.

Ozkan-Seely, Gulru, Cheryl Gaimon, Stylianos Kavadias, "Dynamic Knowledge Transfer and Knowledge Development for Product and Process Design Teams," Manufacturing & Service Operations Management, Volume 22, No. 2, 2015, 177-190.

Xiao, Wenli, Cheryl Gaimon, "The Effect of Learning and Integration Investment on Manufacturing Outsourcing Decisions: A Game Theoretic Approach," Production and Operations Management, Special Issue on Operations Integration, Volume 22, No. 6, 2013, 1576-1592.

Gaimon, Cheryl, Jennifer Bailey, "Knowledge Management for the Entrepreneurial Firm," Production and Operations Management, Special Issue on *Operations Entrepreneurship*, Volume 22, No. 6, 2013, 1429-1438.

Erat, Sanjiv, Stylianos Kavadias, Cheryl Gaimon, "The Pitfalls of Subsystem Integration: When Less is More," Management Science, Volume 59, No. 3, 2013, 659-676.

Gaimon, Cheryl, Gulru Ozkan Karen Napoleon, "Dynamic Resource Capabilities: Managing Workforce Knowledge with a Technology Upgrade," Organization Science, Volume 22, No. 6, 2011, 1560-1578.

Chao, Raul, Stylianos Kavadias, Cheryl Gaimon, "Revenue Driven Resource Allocation and Effective NPD Portfolio Management," Management Science, Volume 55, No. 9, 2009, 1556-1569.

Gaimon, Cheryl, "The Management of Technology: A Production and Operations Management Perspective" Production and Operations Management, Special Issue on Management of Technology, Volume 17, No. 1, 2008, 1-11.

Gaimon, Cheryl, Alysse Morton, "Investment in Changeover Flexibility for Early Entry in High Tech Markets," Production and Operations Management, Special Issue on High Tech Production and Operations Management, Volume 14, No. 2, 2005, 159-174.

Napoleon, Karen, Cheryl Gaimon, "The Creation of Output and Quality in Services: A Framework to Analyze Information Technology-Worker Systems," Production and Operations Management,

Special Issue on "Service Strategy and Technology Applications," Volume 13, No. 3, 2004, 245-259.

Carrillo, Janice, Cheryl Gaimon, "Managing Knowledge-Based Resource Capabilities Under Uncertainty," Management Science, Volume 50, No. 11, 2004, 1504-1518.

Gaimon, Cheryl, Robert Burgess, "Analysis of Lead Time and Learning for Capacity Expansions," Production & Operations Management, Volume 12, No. 1, 2003, 128-140.

Carrillo, Janice, Cheryl Gaimon, "A Framework for Process Change," IEEE Transactions on Engineering Management, Volume 49, No. 4, November 2002, 409-427.

Carrillo, Janice, Cheryl Gaimon, "Improving Manufacturing Performance Through Process Change and Knowledge Creation," Management Science, Volume 46, No. 2, 2000, 265-288.

Franza, Richard, Cheryl Gaimon, "Flexibility and Pricing Decisions for High Volume Products with Short Life Cycles," International Journal of Flexible Manufacturing Systems, Volume 10, 1998, 43-71.

Gaimon, Cheryl, "Planning Information Technology - Knowledge Worker Systems," Management Science, Volume 43, No. 9, 1997, 1308-1328.

Gaimon, Cheryl, "Subcontracting Versus Capacity Expansion and the Impact on the Pricing of Services," Naval Research Logistics, Volume 41, No. 7, 1994, 875-892.

Gaimon, Cheryl and Johnny Ho, "Uncertainty and the Acquisition of Capacity: A Competitive Analysis," Computers & Operations Research, Volume 21, No. 10, 1994, 1073-1088.

Ghosh, Soumen and Cheryl Gaimon, "Production Scheduling in a Flexible Manufacturing System Environment with Setups," IIE Transactions, Volume 25, 1993, 21-35.

Gaimon, Cheryl, Vinod Singhal, "Flexibility and the Choice of Facilities Under Short Product Life Cycles," European Journal of Operational Research, Volume 60, No. 2, 1992, 211-223.

Ghosh, Soumen and Cheryl Gaimon, "Routing Flexibility and Production Scheduling in a Flexible Manufacturing System," European Journal of Operational Research, Volume 60, No. 3, 1992, 344-364.

Roth, Aleda, Cheryl Gaimon, and Lee Krajewski, "Optimal Acquisition of FMS Technology Subject to Technological Progress," Decision Sciences, Volume 22, Number 2, Spring 1991, 308-334.

Gaimon, Cheryl and Gerald L. Thompson, "A Real-Time Solution for Preventive and Repair Maintenance," Optimal Control Applications and Methods, Volume 10, 1989, 211-228.

Gaimon, Cheryl, "Dynamic Game Results on the Acquisition of New Technology," Operations Research, Volume 37, Number 3, May-June 1989, 410-425.

Gaimon, Cheryl, "The Acquisition of New Technology and Its Impact on a Firm's Competitive Position," Annals of Operations Research, Volume 15, 1988, 37-63.

Schwan, Karsten and Cheryl Gaimon, "Automating Resource Allocation in Multiprocessors," Journal of Systems and Software, December 1988, 1-16.

Gaimon, Cheryl, "Simultaneous and Dynamic Price, Production, Inventory, and Capacity Decisions," European Journal of Operational Research, Volume 35, 1988, 426-441.

Gaimon, Cheryl, Shantha Mohan, and Gerald L. Thompson, "A Network Approach to Cohort Personnel Planning Using Cross-Sectional Data," Computers and Operations Research, Volume 14, 1987, 183-196.

Gaimon, Cheryl, "The Optimal Acquisition of New Technology and Its Impact on Dynamic Pricing Policies," Studies in Management Science and Systems, B. Lev, Editor, Volume 13, 1986, 187-206.

Gaimon, Cheryl, "The Optimal Times and Levels of Impulsive Acquisition of Automation," Optimal Control Applications and Methods, Volume 7, 1986, 259-270.

Gaimon, Cheryl, "The Continuous Acquisition of Automation to Reduce Production and In-Process Inventory Costs," Studies in Management Science and Systems, A. Kusiak, Editor, Volume 12, 1986, 29-44.

Gaimon, Cheryl, "Optimal Inventory, Backlogging, and Machine Loading in a Serial, Multi-Stage, Multi-Period Production Environment," International Journal of Production Research, Volume 24, 1986, 647-662.

Gaimon, Cheryl, "An Impulsive Control Approach to Deriving the Optimal Dynamic Mix of Manual and Automatic Output," European Journal of Operational Research, Volume 24, 1986, 360-368.

Gaimon, Cheryl, "The Dynamical Optimal Acquisition of Automation," Annals of Operations Research, Volume 3, 1985, 59-79.

Gaimon, Cheryl, "The Optimal Acquisition of Automation to Enhance the Productivity of Labor," Management Science, Volume 31, 1985, 1175-1190.

Gaimon, Cheryl, "The Acquisition of Automation Subject to Diminishing Returns," III Transactions, Volume 17, 1985, 147-156. (Also, one of two research articles featured in Advanced Manufacturing Technology, November 1985 issue.)

Gaimon, Cheryl and Gerald L. Thompson, "A Distributed Parameter Cohort Personnel Planning Model Using Cross-Sectional Data," Management Science, Volume 30, 1984, 750-764.

Gaimon, Cheryl and Gerald L. Thompson, "Optimal Preventive and Repair Maintenance of a Machine Subject to Failure," Optimal Control Applications and Methods, Volume 5, 1984, 57-67.

Book Chapters

Gaimon, Cheryl, Manpreet Hora, Karthik Ramachandran, "Process Capabilities and Leveraging Advances in Science and Technology," The Routledge Companion to Production and Operations Management, edited by M.K. Starr and S.K. Gupta, Taylor & Francis Group, NY, 2017, 197-213.

Franza, Richard, Cheryl Gaimon, "Investment in Facility Flexibility for Early Market Entry Under Competitive Uncertainty," in Managing Business Interfaces: Marketing, Engineering, and Manufacturing Perspectives, edited by A. Chakravarty and J. Eliashberg, Kluwer Academic Publishing, 2003.

Gaimon, Cheryl, Karen Napoleon, "Information Technology - Worker Systems in Structured and Unstructured Decision-Making Environments," in Service Product Development, J. A. Fitzsimmons, Editor, Sage Publications, 2000, 183-215.

Biehl, Markus, Cheryl Gaimon, "Clean Manufacturing Strategies under the Influence of Public Policy," in Technology and Innovation Management, Dundar F. Kocaoglu, Timothy Anderson, Editors, published by IEEE and PICMET, 1999, 105-113.

Gaimon, Cheryl, "The Price-Production Problem: An Operations and Marketing Interface," in Operations Research: Methods, Models, and Applications, Jay E. Aronson and Stanley Zionts, Editors, Quorum Books, Westport, CT, 1998, 247-266.

Gaimon, Cheryl, "The Strategic Decision to Acquire Flexible Technology," Operations Research Society of America/The Institute of Management Sciences (ORSA/TIMS) Second Special Interest Conference on Flexible Manufacturing Systems, K. Stecke and R. Suri, Eds., Elsevier Science Publishers, 1986, pp. 60-82.

Gaimon, Cheryl, "The Dynamic, Optimal Acquisition of Automation," Operations Research Society of America/The Institute of Management Sciences (ORSA/TIMS) First Special Interest Conference on Flexible Manufacturing Systems, Ann Arbor, August 1984.

Gaimon, Cheryl, "The Effects of Fluctuations in the Economy or Technology on Cohort Careers," NATO Symposium on Work, Organizations, and Technological Change, R. J. Niehaus, G. Mensch, Eds., Plenum Press, 1982, pp. 343-357.

Other Publications

Gaimon, Cheryl, Book Review of "Optimal Control Theory: Applications & Methods, Third Edition," INFORMS Journal on Applied Analytics, Volume 49, No. 4, Jul-Aug 2019.

Gaimon, Cheryl, Book Review of "Optimal Control Theory: Applications & Methods, Second Edition," Interfaces, Volume 32, No. 6, November – December 2002.

Refereed Proceedings

Xiao, Wenli, Cheryl Gaimon, Janice Carrillo, "Managing Knowledge in a Three-Stage Platform Development Project," Proceedings EUROMA Conference (European Operations Management Association), Neuchatel, Switzerland, June 2015.

Xiao, Wenli, Cheryl Gaimon, Janice Carrillo, "Managing Knowledge in a Three-Stage Derivative Product Development Project," Proceedings PICMET Conference (Portland International Center for Management of Engineering Technology), Kanazawa, Japan, July 29, 2014.

Ozkan, Gulru, Cheryl Gaimon, Stylianos Kavadias, "Knowledge Management in New Product Development," Proceedings EUROMA Conference (European Operations Management Association), Amsterdam, NL, July 2012.

Gaimon, Cheryl, Karen Napoleon, Gulru Ozkan "Knowledge Management for Technology Acquisition and Implementation," Proceedings EUROMA Conference (European Operations Management Association), Ankara Turkey, June 2007.

Ozkan, Gulru, Cheryl Gaimon, Stylianos Kavadias, "Knowledge Management in the Product and Process Design Lifecycle," Proceedings EUROMA Conference (European Operations Management Association), Ankara Turkey, June 2007.

Janice Carrillo, Cheryl Gaimon, "Investing in Knowledge-Based Resources: Analysis of Uncertainty and Managerial Systems," Proceedings, National DSI Meeting, Washington, DC, November 2003.

Morton, Alysse, Cheryl Gaimon, "Changeover Flexibility and NPD Cycle Time Reduction: Determining Market Entry Strategies," Proceedings, MSOM Conference, Ann Arbor, MI, June 2000.

Napoleon, Karen, Cheryl Gaimon, "Sequential Investment in IT Upgrades and Worker Skill to Improve Performance in Service Operations," Proceedings, Production and Operations Management Society (POMS) Conference, San Antonio, TX, March 2000.

Current Working Papers

Cheryl Gaimon, Jaeseok Lee, Karthik Ramachandran, "Knowledge Outsourcing from a Consultant to a Client: Implications of Absorptive Capacity and Knowledge Reuse."

Ozkan-Seely, Gulru, Cheryl Gaimon, "Game Theoretic Analysis of Strategic Alliances Between Competing Firms: Knowledge Transfer and Sharing."

Presentations and Panels (Conferences and University Speaker)

"Mechanisms Impacting Collaboration, Product Development, and Entrepreneurship", invited session organizer, INFORMS, Phoenix, Arizona, October 2023.

Doctorial Consortium Speaker, POMS Conference, Orlando, Florida, May 2023.

"Meet the Editors," POMS Conference, Orlando, Florida, May 2023.

Distinguished Speaker, Technology, Innovation Management and Entrepreneurship (TIMES) Section, INFORMS, Indianapolis, Indiana, October 2022.

"An Economic Model of Knowledge Outsourcing," with Jaeseok Lee and Karthik Ramachandran, Information Systems and Operations Management Workshop, University of Florida, Gainesville, Florida, February 26, 2022.

“Managing New Product Development Between Competing Firms,” with Gulru Ozkan-Seely, POMS Conference, online, May 2021.

“Panel: Frontiers of Technology Management, Innovation and Entrepreneurship,” POMS Conference, online, May 2021.

“Panel: Holding the Door Open: A Networking Workshop for Women,” POMS Conference, online, May 2021.

“Meet the Editors: Technology, Innovation and Entrepreneurship,” INFORMS Conference, online, October 2021.

“The Development of an NPD Project and the Improvement of an Existing Product: The Impact of Knowledge Transfer,” with Wenli Xiao, INFORMS Conference, online, November 2020.

“Knowledge Transfer from a Radical to an Existing Product Development Project,” with Wenli Xiao, International INFORMS Conference, Cancun, Mexico, June 2019.

“The Development of a New Product Versus the Improvement of an Existing Product,” with Wenli Xiao, POMS Conference, Washington DC, May 2019.

“An Economic Model of Knowledge Outsourcing,” with Jaeseok Lee and Karthik Ramachandran, POMS Conference, Washington DC, May 2019.

“Knowledge Transfer from a Radical Development Project to Improve an Existing Product,” 2019 Annual ISOM Research Workshop, University of Florida – Gainesville, March 2019.

“Knowledge Outsourcing for Competing Buyers,” with Jaeseok Lee and Karthik Ramachandran, INFORMS Conference, Phoenix, AZ, November 2018.

“Impact of Knowledge Transfer on Knowledge Development Strategies,” with Wenli Xiao, INFORMS Conference, Phoenix, AZ, November 2018.

“Knowledge Development and Knowledge Transfer Subject to High Technical Uncertainty,” with Wenli Xiao, Illumina Corporation, (manufacturer of genome sequencing technology), San Diego, August 2018.

“Knowledge Outsourcing for Multiple Buyers,” with Jaeseok Lee and Karthik Ramachandran, POMS Conference, Houston, TX, May 2018.

“An Economic Model of Knowledge Outsourcing,” invited speaker at Tulane University, March 2018.

“Investment in Environmental Process Improvement,” invited speaker at University of Washington – Bothel, May 2017.

“Advancing Women Leadership Panel,” POMS Conference, Bothel, Washington, May 2017.

“Innovation and Technology Management Panel,” POMS Conference, Bothel, Washington, May 2017.

“Meet the Editors Panel,” INFORMS Conference, Nashville TN, November 2016.

“An Economic Model of Knowledge Outsourcing,” with Jaeseok Lee and Karthik Ramachandran, INFORMS Conference, Nashville TN, November 2016.

“An Economic Model of Knowledge Outsourcing,” with Jaeseok Lee and Karthik Ramachandran, POMS Conference, Orlando FL, May 2016.

“An Economic Model of Knowledge Outsourcing,” with Jaeseok Lee and Karthik Ramachandran, INFORMS Conference, Philadelphia PA, November 2015.

“Managing NPD Knowledge Between Competing Firms,” with Gulru Ozkan-Seely and Sriram Venkataraman, INFORMS Conference, Philadelphia PA, November 2015.

“Managing Knowledge in a Three-Stage Platform Development Project,” with Wenli Xiao and Janice Carrillo, EUROMA (European Operations Management Association) Conference, Neuchatel, Switzerland, June 2015.

“Opportunities for Behavioral Research: Management of Technology,” POMS Conference, Washington DC, May 2015.

“An Economic Model for Knowledge Outsourcing,” with Jaeseok Lee, POMS Conference, Washington DC, May 2015.

“Dynamic Firm Level Investments in Environmental Process Improvement,” with Wenli Xiao, Ravi Subramanian, Markus Biehl, POMS Conference, Washington DC, May 2015.

“Special Topics: Doctoral Consortium, POMS Conference, Washington DC, May 2015.

“Supplier and Buyer Coordination for Knowledge Outsourcing under Asymmetric Information,” with Jaeseok Lee, INFORMS Conference, San Francisco, CA, November 2014.

“Knowledge Transfer in Derivative Product Development Projects,” with Wenli Xiao and Janice Carrillo, INFORMS Conference, San Francisco, CA, November 2014.

“Investment in Environmental Process Improvement in Response to Regulation,” with Ravi Subramanian and Markus Biehl, INFORMS Conference, San Francisco, CA, November 2014.

“Managing Knowledge in a Three-Stage New Product Development Project,” with Wenli Xiao and Janice Carrillo, PICMET Conference (Portland International Center for Management of Engineering Technology), Kanazawa, Japan, July 29, 2014.

“Supplier and Buyer Coordination for Knowledge Outsourcing,” with Jaeseok Lee, POMS Conference, Atlanta, GA, May 2014.

“Forward Versus Feedback Knowledge Transfer in a Three-Stage NPD Project,” with Wenli Xiao, POMS Conference, Atlanta, GA, May 2014.

“Knowledge Transfer in Product Development Projects,” with Wenli Xiao, POMS Conference, Atlanta, GA, May 2014.

“The Ambidexterity Paradox: The Benefits and Perils of Exploration, Exploitation, and Learning from Failure,” with Jennifer Bailey and Manpreet Hora, POMS Conference, Atlanta, GA, May 2014.

Panel moderator, “Making Professional Connections,” POMS Conference, Atlanta, GA, May 2014.

“Forward Versus Feedback Knowledge Transfer in a Three-Stage NPD Project,” University of Calgary, Canada, April 2014.

“Forward Versus Feedback Knowledge Transfer in a Three-Stage NPD Project,” University of Texas-Austin, Texas, April 2014.

“Forward Versus Feedback Knowledge Transfer in a Three-Stage NPD Project,” Ohio State University, Ohio, March 2014.

“Editors’ Panel,” College of Product Innovation and Technology Management Conference, Minneapolis, MN, October 2013.

“Editors’ Panel on Innovation, Product Development, and Technology Management, INFORMS Conference, Minneapolis, MN, October 2013.

“Knowledge Creation in a Three-Stage New Product Development Project,” with Wenli Xiao and Janice Carrillo, 27th European Conference on Operational Research, Rome, Italy, July 2013.

“The Impact of Exploration, Exploitation and Learning from Experience on Innovation Success and Failure,” with Jennifer Bailey and Manpreet Hora, Darden-Cambridge Entrepreneurship and Innovation Research Conference, May 2013.

“Knowledge Management and Entrepreneurship,” with Jennifer Bailey, POMS Conference, Denver, CO, May 2013.

Panel moderator, “Women in Operations Management: Navigating the Dual Career Lifestyle,” POMS Conference, Denver, CO, May 2013.

“Analysis of Knowledge Transfer from a New Product Development Project to an Existing Project,” with Wenli Xiao, POMS Conference, Denver, CO, May 2013.

“Panel on OM Research in Learning and Knowledge Management,” POMS Conference, Denver, CO, May 2013.

“Impact of Exploration, Exploitation and Learning from Experience on Innovation Success and Failure,” with Jennifer Bailey and Manpreet Hora, POMS Conference, Denver, CO, May 2013.

“Knowledge Development and Knowledge Transfer in New Product Development Projects,” with Wenli Xiao and Janice Carrillo, INFORMS Conference, Phoenix, AZ, October 2012.

“A Dynamic Model of Knowledge Creation from Exploration and Exploitation,” with Jennifer Bailey, INFORMS Conference, Phoenix, AZ, October 2012.

“Knowledge Management in New Product Development,” with Gulru Ozkan and Stylianos Kavadias, EUROMA Conference, Amsterdam, NL, July 2012.

“Dynamic Knowledge Creation from Exploration and Exploitation in the High-Tech Venture,” with Jennifer Bailey, POMS Conference, Chicago, IL, April 2012.

“Knowledge Creation and Transfer in New Product Development Projects,” with Wenli Xiao, POMS Conference, Chicago, IL, April 2012.

“Managing Knowledge for Joint Development of New Products,” with Gulru Ozkan, POMS Conference, Chicago, IL, April 2012.

Panel Moderator, “Women in POM: An International Perspective,” POMS Conference, Chicago, IL, April 2012.

“Knowledge Transfer in New Product Development Projects,” invited speaker Wilfrid Laurier University, Canada, February 2012.

“Knowledge Management in New Product Development,” with Gulru Ozkan and Stylianos Kavadias, University of Utah Conference on Marketing and Operations Innovation, January 2012.

Panel member on “Product Innovation and Technology Management” PITM Conference, University of Charlotte, Charlotte NC, November 2011.

“Managing New Product Development Knowledge between Competing Firms,” with Gulru Ozkan, Sriram Venkataraman, INFORMS Conference, Charlotte, NC, November 2011.

Knowledge Creation from Exploration and Exploitation in the High-Tech Venture,” with Jennifer Bailey, INFORMS Conference, Charlotte, NC, November 2011.

Knowledge Transfer and Knowledge Creation in New Product Development Projects,” with Wenli Xiao, INFORMS Conference, Charlotte, NC, November 2011.

Panel member, “Why Women Are Leaving Academia” INFORMS Conference, Charlotte, NC, November 2011.

“Knowledge Transfer and Creation in New Product Development Projects,” with Wenli Xiao IFORS (International Federation of Operations Research Societies), Melbourne, Australia, July 2011.

“Knowledge Creation and Knowledge Transfer in New Product Development,” with Wenli Xiao, POMS Conference, Reno, Nevada, May 2011.

“Managing New Product Development Knowledge Between Competing Firms,” with Gulru Ozkan, POMS Conference, Reno, Nevada, May 2011.

“Collaboration and Competition in Exploration and Exploitation Learning in Technology Ventures, with Jennifer Bailey, POMS Conference, Reno, Nevada, May 2011.

Panel discussion “Meet the Editors” POMS Conference, Reno, Nevada, May 2011.

“Dynamic Learning Strategies for High-Tech Start-Up Ventures,” with Jennifer Bailey, INFORMS Conference, Austin, TX, November 2010.

“Knowledge Creation and Knowledge Transfer in New Product Development Projects,” with Wenli Xiao and Janice Carrillo, INFORMS Conference, Austin, TX, November 2010.

“Managing New Product Development Knowledge for Competing Firms: Case of Joint Development,” with Gulru Ozkan, INFORMS Conference, Austin, TX, November 2010.

Panel discussion “Meet the Editors” INFORMS Conference, Austin, TX, November 2010.

“Dynamic Resource Capabilities: Workforce Knowledge Management with a Technology Upgrade,” Tsinghua University, Beijing, China, August 2010.

Plenary talk: “Management of Technology and the Resource-Based View of the Firm,” 4th International Conference of Operations and Supply Chain Management,” Hong Kong and Guangzhou, China, July 2010.

Panel member, “Meet the Editors,” INFORMS Conference, Charlotte, NC, November 2011.

“Technology Management: How Times Are Changing,” POMS Conference, Vancouver BC, Canada, May 2010.

“Managing New Product Development Knowledge for Competing Firms: Case of Joint Development,” with Gulru Ozkan, POMS Conference, Vancouver BC, Canada, May 2010.

“Dynamic Learning Strategies for High-Tech Start-Up Ventures,” with Jennifer Bailey, POMS Conference, Vancouver BC, Canada, May 2010.

“Knowledge Transfer in New Product Development Projects,” with Wenli Xiao and Janice Carrillo, POMS Conference, Vancouver BC, Canada, May 2010.

“Knowledge Management with a Technology Upgrade,” invited speaker, University of Minnesota, Minneapolis, MN, October 2009.

“Workforce Knowledge Management and the Implementation of New Technology,” with Gulru Ozkan and Karen Napoleon, INFORMS Conference, San Diego, CA, October 2009.

“Managing New Product Development Knowledge Between Competing Firms,” with Gulru Ozkan, INFORMS Conference, San Diego, CA, October 2009.

“The Effect of Learning on Manufacturing Outsourcing Decisions: A Game Theoretic Approach,” with Wenli Xiao, INFORMS Conference, San Diego, CA, October 2009.

“The Effect of Learning on Manufacturing Outsourcing Decisions: A Game Theoretic Approach,” with Wenli Xiao, POMS Conference, Orlando, FL, May 2009.

“Managing New Product Development Knowledge Between Competing Firms,” with Gulru Ozkan, POMS Conference, Orlando, FL, May 2009.

“Knowledge Management for Product and Process Development Teams,” with Gulru Ozkan, invited speaker, ESSEC, Paris, France, March 2009.

“Knowledge Management for New Product Development in a Competitive Environment,” with Gulru Ozkan, INFORMS Conference, Washington DC, October 2008.

“Modes of Experimentation to Facilitate New Product Development Knowledge Management,” with Janice Carrillo, INFORMS Conference, Washington DC, October 2008.

“Firm Level Environmental Strategies,” with Ravi Subramanian, INFORMS Conference, Washington DC, October 2008.

"Knowledge Management Strategies for Product and Process Design Teams," with Gulru Ozkan and Stylianos Kavadias, POMS Conference, San Diego, CA, May 2008.

"Firm Level Environmental Strategies," with Ravi Subramanian, Markus Biehl, POMS Conference, San Diego, CA, May 2008.

"Knowledge Management to Accelerate Production Ramp-Up," with Janice Carrillo, POMS Conference, San Diego, CA, May 2008.

"Budget Creation and Control for Effective NPD Portfolio Management," with Raul Chao and Stylianos Kavadias, INFORMS Conference, Seattle, WA, November 2007.

"Workforce Knowledge Management and the Investment in New Technology," with Karen Napoleon and Gulru Ozkan, INFORMS Conference, Seattle, WA, November 2007.

"Knowledge Management for the Product and Process Design Teams," with Gulru Ozkan and Stylianos Kavadias, INFORMS Conference, Seattle, WA, November 2007.

"Knowledge Management for Technology Acquisition and Implementation," with Karen Napoleon and Gulru Ozkan, EUROMA (European Operations Management Association) Conference, Ankara Turkey, June 2007.

“Knowledge Management in the Product and Process Design Lifecycle,” with Gulru Ozkan EUROMA Conference, Ankara, Turkey, May 2007.

"Knowledge Management for Technology Acquisition and Implementation," with Karen Napoleon and Gulru Ozkan, POMS Conference, Dallas, TX, May 2007.

“Knowledge Management in the Product and Process Design Lifecycle,” with Ozkan, Gulru, POMS Conference, Dallas, TX, May 2007.

"Strategic New Product Development Resource Allocation with an Endogenous Budget," with Raul Chao and Stylianos Kavadias, Technology Management Conference, Wharton Business School, Philadelphia, PA, April 2007.

Budget Creation and Control for Effective NPD Portfolio Management," with Raul Chao and Stelios Kavadias, INFORMS Conference, Pittsburgh, PA, November 2006.

"Knowledge Management for Product and Process Design Teams," with Gulru Ozkan, INFORMS Conference, Pittsburgh, PA, November 2006.

"Knowledge Management and the Purchase and Implementation of New Technology," invited speaker, INSEAD, France, June 2006.

"Knowledge Management and Technology Acquisition and Implementation," with Karen Napoleon, invited speaker, University of Oregon, Eugene, OR, May 2006.

"Budget Creation and Control for NPD Portfolio Management," with Raul Chao and Stelios Kavadias, invited speaker, Conference on Management Science and Applications in Honor of Suresh Sethi, University of Texas at Dallas, Dallas TX, May 2006.

"The Transition to Clean Manufacturing," with Markus Biehl, invited speaker, Conference on Management Science and Applications in Honor of Suresh Sethi, University of Texas at Dallas, Dallas TX, May 2006.

"Knowledge Management and Technology Acquisition and Implementation," with Karen Napoleon, invited speaker, Conference on Management Science and Applications in Honor of Suresh Sethi, University of Texas at Dallas, Dallas TX, May 2006.

"R&D Intensity: The Missing Link in NPD Portfolio Management," with Raul Chao and Stelios Kavadias, POMS Conference, Boston, MA, April 2006.

"Knowledge Management for Product and Process Design Teams," with Gulru Ozkan, POMS Conference, Boston, MA, April 2006.

"Knowledge Management and Technology Acquisition and Implementation," with Karen Napoleon, POMS Conference, Boston, MA, April 2006.

"Knowledge Management and Technology Acquisition and Implementation," with Karen Napoleon, invited speaker, University of Texas at Dallas, Dallas TX, February 2006.

"Knowledge Management and Technology Acquisition and Implementation," Knowledge Management: Learning Economics Group Workshop, invited speaker, hosted by Genetech, San Francisco, CA, December 2005.

"Technology Markets: The Case of Component Providers," with Sanjiv Erat and Stelios Kavadias, INFORMS Conference, San Francisco, CA, November 2005.

"Managing Employee Knowledge Through External Knowledge Transfer and Learning-by-Doing," with Gulru Ozkan, INFORMS Conference, San Francisco, CA, November 2005.

"New Product Development, Innovation and Technology," member of panel, INFORMS Conference, San Francisco, CA, November 2005.

"Strategic NPD Pipeline Management with an Endogenous Budget," with Raul Chao and Stylianos Kavadias, INFORMS, San Francisco, CA, November 2005.

"Knowledge Management and the Purchase/Implementation of New Technology," with Karen Napoleon, invited speaker, University of Texas-Dallas, October 2005.

"Knowledge Transfer in the Presence of Learning," with Gulru Ozkan, POMS Conference, Chicago, IL, May 2005.

"NPD Pipeline Management with an Endogenous Budget," with Raul Chao and Stelios Kavadias, POMS Conference, Chicago, IL, May 2005.

"Strategic New Product Development Resource Allocation with an Endogenous Budget," with Raul Chao and Stylianos Kavadias, INFORMS Conference, Denver, CO, October 2004.

"Research Themes in the Management of Technology," moderated a panel, POMS Conference, Cancun, Mexico, April 2004.

"Managing Knowledge-Based Core Capabilities Under Uncertainty," with Janice Carrillo, invited speaker, Purdue University, April 2004.

"Investment in IT-Worker Systems," with Karen Napoleon, invited speaker, Workshop on Technology Management, University of Florida, Gainesville, FL, February 2004.

"Investing in Knowledge-Based Resources: Analysis of Uncertainty and Managerial Systems," with Janice Carrillo, National DSI Meeting, November 2003.

"Dynamic Investment in Knowledge for IT-Worker Systems," with Karen Napoleon, INFORMS Conference, Atlanta, GA, October 2003.

"Managing Knowledge-Based Resource Capabilities Under Uncertainty," with Janice Carrillo, invited speaker, Boston College, April 2003.

"Managing Knowledge-Based Resource Capabilities Under Uncertainty," with Janice Carrillo, POMS Conference, Savannah, GA, April 2003.

"Managing Knowledge-Based Resource Capabilities Under Uncertainty," with Janice Carrillo, invited speaker, University of North Carolina at Chapel Hill, NC, March 2003.

"Managing Knowledge-Based Core Capabilities Under Uncertainty," with Janice Carrillo, invited speaker, Workshop on Managing Knowledge in Organizations: Creating, Retaining, and Transferring Knowledge, Carnegie Mellon University, Pittsburgh, PA, September 2001.

"Leveraging Knowledge for Effective Process Change Management," with Janice Carrillo, invited speaker, University of Pittsburgh, Pittsburgh, PA, September 2001.

"Changeover Flexibility and NPD Cycle Time Reduction: Determining Market Entry Strategies," with Alysse Morton, MSOM Conference, Ann Arbor, MI, June 2000.

"Sequential Investment in Information Technology and Worker Skill to Improve Performance in Service Operations," with Karen Napoleon, POMS Conference, San Antonio, TX, April 2000.

"Changeover Flexibility Investments Under Different Market Conditions and Competitive Uncertainty," with Richard Franza, National DSI Meeting, New Orleans, LA, November 1999.

"Clean Manufacturing Strategies Under the Influence of Public Policy," with Markus Biehl, PICMET Conference, Portland, OR, July 1999.

"Process Change Implementation Dynamics," with Janice Carrillo, PICMET Conference, Portland, OR, July 1999.

"Dynamic Investment in Information Technology for Improved Service Operations Performance," with Karen Napoleon, invited speaker, Decision and Information Sciences Workshop on the IT/Operations Interface, Warrington College of Business Administration, University of Florida, Gainesville, FL, February 1999.

"New Technology Impact on Operations Performance in Manufacturing and Services," invited speaker, Cox School of Business, Southern Methodist University, Dallas, TX, January 1999.

"Dynamic Investment and Implementation of Information Technology to Improve Production Performance in Services," with Karen Napoleon, National DSI Meeting, Las Vegas, Nevada, November 1998.

"Effective Linkage of Multiple Process Change Projects," with Janice E. Carrillo, Manufacturing & Service Operations Management (MSOM) Summer Conference, Seattle, WA, 1998.

"Information Technology-Worker Systems in Structured versus Unstructured Decision-Making Environments," with Karen Napoleon, POMS Conference, Santa Fe, NM, March 1998.

"Implementation of Multiple Process Improvements," with Janice E. Carrillo, POMS Conference, Santa Fe, NM, March 1998.

"A General Formulation of Firm Level Clean Manufacturing Strategies," with Markus Biehl, INFORMS Conference, Dallas, TX, October 1997.

"Effective Implementation of Multiple Process Improvements: Managing Synergy and Conflict," with Janice Carrillo, INFORMS Conference, Dallas, TX, October 1997.

"Coordination of R&D, Manufacturing, and Marketing Strategy," with Alysse Rosewater, PICMET (Portland International Conference on Management of Engineering and Technology, Portland OR, July 1997.

"The Implications of Firm Size on Process Improvement Strategy," with Janice Carrillo, PICMET, Portland OR, July 1997.

"Manufacturing Strategy Response to Environmental Policy," with Markus Biehl, European Operations Research and Management Science (Euro-INFORMS), Barcelona, Spain, July 1997.

"The Impact of Facility Flexibility on Marketing Competitiveness," with Alysse Rosewater, INFORMS Conference, San Diego CA, May 1997.

"Implementation of Mass Customization Using Process Improvement," with Robert Burgess, POMS Conference, Miami, FL, April 1997.

"Market Share Effects of Process Improvement in Dynamic Markets," with Robert Burgess, INFORMS Conference, Atlanta, November 1996.

"Framework for Strategic Analysis of Process Improvement," with Janice Carrillo, INFORMS Conference, Atlanta, November 1996.

"Technology Investment for Strategic Marketing/Operations Success," with Alysse Rosewater, INFORMS Conference, Atlanta, November 1996.

"Taxonomies for Process Improvement," with Janice Carrillo, National DSI Meeting, Orlando, FL, November 1996.

"Facility Flexibility: A Strategic Operations and Marketing Interface," with Alysse Rosewater, National DSI Meeting, Orlando, FL, November 1996.

"The Strategic Value of Source Reduction and Recycling for Manufacturing Management," with Markus Biehl, National DSI Meeting, Orlando, FL, November 1996.

"Facility Flexibility: A Manufacturing and Marketing Interface," with Alysse Rosewater, IEEE Engineering Management Conference, Vancouver, B.C. Canada, August 1996.

"Investment in Facility Flexibility Under Uncertain Competitor Market Entry," with Richard Franza, IEEE Engineering Management Conference, Vancouver, B.C. Canada, August 1996.

"Optimal Investment in Facility Flexibility for Rapid Market Entry," with Alysse Rosewater, INFORMS Conference, Washington D.C., May 1996.

"Managing Manufacturing Process Improvement Under Uncertainty," with Janice Carrillo, INFORMS Conference, Washington D.C., May 1996.

"Revenue and Cost Implications of Process Improvements in Dynamic Markets," with Robert Burgess, INFORMS Conference, Washington D.C., May 1996.

"Economic Modeling of Information Technology-Worker Systems," First INFORMS Conference on Information Systems and Technology, Washington D.C., May 5-8, 1996.

"Revenue Implications of Manufacturing Quality: A Dynamic Model," with Robert H. Burgess, National DSI Meeting, Boston, MA, November 1995.

"Process Improvements for Competitive Advantage: Applications and Theory," with Janice E. Carrillo, National DSI Meeting, Boston, MA, November 1995.

"Dynamic Investment in Technology and Training to Increase Output," with Karen Napoleon, National DSI Meeting, Boston, MA, November 1995.

"Planning Information Technology-Worker Systems," GERAD (Group d'etudes et de recherche en analyse des decisions), invited speaker, Ecole des Hautes Etudes Commerciales, Ecole Polytechnique, Universite McGill, CA, October 1995.

"The Effect of Uncertainty of Competitor Market Entry Time on Changeover Flexibility Investment," with Richard M. Franza, Institute for Operations Research and Management Science (INFORMS) Conference, New Orleans, LA, October 1995.

"Strategic Implications of Process Improvements for Manufacturing Environments," with Janice E. Carrillo, INFORMS Conference, New Orleans, LA, October 1995.

"The Effect of Lead-Time and Learning on Planning Capacity Expansions: Part Two," NSF Grantees Conference, La Jolla, CA, January 1995.

"Investment in New Technology for Operations Strategy," invited speaker, Department of Management Science and Operations Management, University of Cincinnati, Cincinnati, OH, January 1995.

"Investments in Manufacturing Quality: A Response to Increased Demand in Product Variety," with Robert Burgess, National DSI Meeting, Honolulu, HI, November 1994.

"Analysis of Process Improvements for Manufacturing Excellence," with Janice Carrillo, National DSI Meeting, Honolulu, November 1994.

"Quality and Productivity: Improvements Through Worker Skill and Information Technology Systems," with Karen Napoleon, National DSI Meeting, Honolulu, HI, November 1994.

"Technology Choice and Work Force Skill: Quality and Productivity Improvement in a CAD Environment," with Karen Napoleon, ORSA/TIMS Conference, Detroit, MI, October 1994.

"Capacity Expansion: The Effect of Expansion Size, Lead Time and Learning," with Robert Burgess, ORSA/TIMS Conference, Detroit, MI, October 1994.

"Achieving Long Term Goals While Minimizing Confusion: Optimal Policies for Process Improvements," with Janice Carrillo, ORSA/TIMS Conference, Detroit, MI, October 1994.

"Facility Flexibility for High-Volume Production of Products with Short Life Cycles," with Rick Franza, ORSA Technical Section on Manufacturing Management (TECMAN) Conference, Carnegie Mellon University, June 1994.

"Technology Choice and Manufacturing Flexibility," invited speaker, Workshop on Capacity Planning, Management Sciences Dept., University of Florida, Gainesville, FL, April 1994.

"Operations Strategy for the Competitive Advantage," invited speaker, Management Sciences Department, Penn State University, State College, PA, February 1994.

"The Effect of Lead Time and Learning on Planning Capacity Expansions," with Robert Burgess, NSF Grantees Conference, Cambridge, MA, January 1994.

"Manufacturing Flexibility When Competitive Uncertainty Exists," ORSA/TIMS Conference, Phoenix, AZ, November 1993.

"Flexible Manufacturing Facilities for High Volume Products with Short Life Cycles," with Richard Franza, ORSA/TIMS Conference, Phoenix, AZ, November 1993.

"Planning Information Technology-Worker Systems," invited speaker, Management Information System Seminar Series, College of Business, University of Arizona, Tucson, AZ, October 1993.

"The Price-Production Problem: An Operations and Marketing Interface," invited speaker, *Conference on the Occasion of Professor Gerald L. Thompson's 70th Birthday*, Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, PA, October 1993.

"Planning Technological Support for the Work Force," invited speaker, Operations Management Seminar Series, Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, PA, April 1993.

"Strategic Resources Planning: Technological Support and the Work Force," NSF Grantees Conference, Charlotte, NC, January 1993.

"New Issues for Decision Making on Incremental Capacity Expansion," National DSI Meeting, San Francisco, November 1992.

"Planning Technological Support for the Work Force," ORSA/TIMS Conference, San Francisco, CA, October 1992.

"New Directions for Operations Management," ORSA/TIMS Conference, Orlando, FL, April 1992.

"Optimal Sizes and Times of Incremental Capacity Expansions Subject to Learning," ORSA/TIMS Conference, Orlando, FL, April 1992.

"Incremental Capacity Expansion: The Effect of Lead-Time and Learning," invited speaker, Operations Management Colloquium Series, Fuqua School of Management, Duke University, Durham, NC, December 1991.

"Flexibility and the Choice of Manufacturing Facilities," with Vinod Singhal, National DSI Meeting, Miami, Florida, November 1991.

"Incremental Capacity Expansion Subject to Learning," Production Operations Management Society (POMS) Conference, New York, NY, November 1991.

"Flexibility and the Choice of Manufacturing Facilities Under Short Product Life Cycles," with Vinod Singhal, ORSA/TIMS, Nashville, May 1991.

"Planning Technological Support Subject to Learning," National DSI Meeting, San Diego, November 1990.

"Planning Technological Support for the Work Force," invited speaker, Workshop on Manufacturing Management, University of Florida, Gainesville, April 1990.

"Incremental Versus Radical Capacity Expansion Under Uncertainty," ORSA/TIMS Conference, New York, October 1989.

"Production Scheduling in an MRP Driven Flexible Manufacturing System," with Soumen Ghosh, ORSA/TIMS Conference, New York, October 1989.

"Incremental Capacity Expansion When Expansion Lead Time is Proportional to the Size of Capacity Added," ORSA/TIMS Conference, Vancouver, May 1989.

"Subcontracting Capacity and Pricing," National DSI Meeting, Las Vegas, November 1988.

"Optimal Sizing and Timing for Capacity Expansion with Lags and Economies of Scale," ORSA/TIMS Conference, Denver, October 1988.

"Production Scheduling in a Flexible Manufacturing System Environment," with Soumen Ghosh, ORSA/TIMS Conference, Washington, D.C., April 1988.

"Closed Versus Open Loop Dynamic Game Results on the Acquisition of New Technology," National DSI Meeting, Boston, November 1987.

"The Optimal Application of Therapy to Hospital Patients," with Sue Siferd, National DSI Meeting, Boston, November 1987.

"Dynamic Game Results on the Acquisition of New Technology," invited speaker, Industrial Engineering Seminar Series, Ohio State University, Columbus, OH, October 1987.

"Subcontracting Versus Capacity Expansion and the Impact on Pricing," ORSA/TIMS Conference, St. Louis, October 1987.

"The Effect of Lags Due to Work Force Learning on the Acquisition of New Technology," ORSA/TIMS Conference, New Orleans, May 1987.

"Production Planning and Lot Sizing and Flexible Manufacturing Systems," with Soumen Ghosh, ORSA/TIMS Conference, Miami, October 1986.

"Strategic Impact of Acquiring New Technology: A Dynamic Game Approach," ORSA/TIMS Conference, Miami, October 1986.

"Optimal Acquisition of FMS Technology Subject to Technological Progress," with Aleda Roth and Lee Krajewski, National DSI Meeting., Hawaii, October 1986. (Winner of the Best Paper Award.)

"Closed Versus Open Loop Dynamic Results on the Acquisition of New Technology," Operations Management Colloquium Series, Ohio State University, Fall 1986.

"The Strategic Decision to Acquire Flexible Technology," ORSA/TIMS Special Interest Conference on Flexible Manufacturing Systems, Ann Arbor, MI, August 1986.

"Dynamic Pricing and Technological Acquisition Policies in a Closed Loop Game," with Michael Kostreva, ORSA/TIMS Conference, Los Angeles, April 1986.

"Dynamic Acquisition of Flexible Automation," ORSA/TIMS Conference, Atlanta, November 1985.

"Simultaneous Determination of Production and Maintenance Policies in a Flowshop," with Soumen Ghosh, ORSA/TIMS Conference, Atlanta, November 1985.

"Optimal Production and Maintenance in a 3-Stage Flowshop," with Soumen Ghosh, National DSI Meeting, November 1985.

"The Strategic Decision to Acquire Flexible Technology," Operations Management Colloquium Series, Ohio State University, Fall 1985.

"Strategic Planning and the Acquisition of New Technology," invited speaker, GTE Research Labs, Boston, MA, October 1985.

"The Optimal Dynamic Pricing Policy and the Acquisition of New Technology," invited speaker, GTE Research Labs, Boston, MA, June 1985.

"The Optimal Acquisition of Technology," ORSA/TIMS Conference, Boston, May 1985.

"Automating Resource Allocation for the CM* Multiprocessor," with Karsten Schwan, 5th International Conference on Distributed Computing Systems, Denver, May 1985.

"The Simultaneous Determination of the Price, Production Level, and Productive Capacity for a Profit Maximizing Firm," ORSA/TIMS Conference, Dallas, November 1984.

"Optimal Production, Inventory, Backlogging and Machine Loading in a Group Technology Environment," National Decision Sciences Institute (DSI) Conference, Toronto, November 1984.

"Strategic Planning for the Acquisition of Manufacturing Technology," with Aleda V. Roth ORSA/TIMS Conference, Dallas, November 1984.

"The Simultaneous Determination of the Price, Production Level, and Productive Capacity for a Profit Maximizing Firm," Operations Management Colloquium Series, Ohio State University, Fall 1984.

"The Dynamic, Optimal Acquisition of Automation," ORSA/TIMS Special Interest Conference on Flexible Manufacturing Systems, Ann Arbor, August 1984.

"The Dynamic, Optimal Acquisition of Automation," The International Institute of Management Sciences (TIMS) Conference, Copenhagen, Denmark, June 1984.

"A Network Approach to Cohort Personnel Planning Using Cross Sectional Data," with Shantha Mohan and Gerald L. Thompson, ORSA/TIMS Conference, San Francisco, May 1984.

"The Optimal Acquisition of Automation to Enhance the Productivity of Labor," ORSA/TIMS Conference, San Francisco, May 1984.

"The Optimal Acquisition of Automation to Enhance the Productivity of Labor," invited speaker, Industrial and Systems Engineering Seminar Series, Ohio State University, April 1984.

"Optimal Inventory, Backlogging, and Machine Loading in a Serial Production Environment," Operations Management Colloquium Series, Ohio State University, Fall 1983.

"Optimal Inventory, Backlogging, and Machine Loading for a Group Technology Environment," presented at ORSA/TIMS Conference, Orlando, November 1983.

"Optimal Acquisition of Automation," invited speaker, IBM, Owego, NY, July 1983.

"Acquisition of New Technology," invited speaker, Cincinnati Milacron, Cincinnati, OH, May 1983.

"Automation to Enhance to Productivity of Labor," invited speaker, NCR, Dayton, OH, April 1983.

"The Continuous Acquisition of Automation Relative to Its Accumulated Level to Reduce Production and Inventory Costs: An Optimal Control Approach," ORSA/TIMS Conference, Chicago, April 1983.

"The Continuous Acquisition of Automation to Reduce Production and In-Process Inventory Costs," Operations Management Colloquium Series, Ohio State University, Spring 1983.

"The Continuous Acquisition of Automation to Reduce Production and In-Process Inventory Costs: An Optimal Control Theory Approach," ORSA/TIMS Conference, San Diego, California, October 1982.

"Optimal Time and Level of Technological Acquisition Required to Alleviate a Labor Supply Shortage," ORSA/TIMS Conference, Detroit, May 1982.

"Optimal Time and Level of Technology Acquisition Required to Alleviate a Labor Supply Shortage," Operations Management Colloquium Series, Ohio State University, Spring 1982.

"The Effects of Fluctuations in the Economy or Technology on Cohort Careers," NATO Symposium on "Work Organizations and Technological Change," W. Germany, June 1981.

"Optimal Preventive and Repair Maintenance of a Machine Subject to Failure and a Declining Resale Value," with Gerald L. Thompson, ORSA/TIMS Conference, Toronto, May 1981.

"Optimal Preventive and Repair Maintenance of a Machine Subject to Failure," with Gerald L. Thompson, ORSA/TIMS Conference, Colorado Springs, November 1980.

"A Distributed Parameter Cohort Personnel Planning Model Using Cross-Sectional Data," with Gerald L. Thompson, Operations Research Society of America/The Institute of Management Sciences (ORSA/TIMS) Conference, Washington, D. C., May 1980.

Grants

"A Study of the MRO Supply Chain for Pulp and Paper Mills," IPST, with Soumen Ghosh, Yih-Long Chang, Vinod Singhal, 2001-2004.

Intel Foundation Doctoral Dissertation Fellowship (Faculty Advisor), 1994-5, awarded to Janice Carrillo, "Knowledge Management for Effective Process Change."

National Science Foundation Grant, Operations Research and Production Program, DDM-9015362, July 1991-Dec. 1994, "Strategic Resources Planning."

"Management of Technology: Planning Resources of the Technological Firm" Instructional Center Grants, Georgia Tech Foundation, Summer 1990.

National Science Foundation Grant, Systems Theory and Operations Research Program, ECS-8996158, Transfer of ECS-8608485, June 1988-Aug. 1989.

National Science Foundation Grant, Systems Theory and Operations Research, ECS-8608485, "Strategic Acquisition of Flexible Technology," Oct. 1986-June 1988.

Dean's Research Professorship, Ohio State University, "Optimal Dynamic Price, Flexibility, Level and Means of Production for a Profit Maximizing Firm," 1986.

University Seed Money Grant, Ohio State University, "Optimal Price, Level, and Means of Production for a Profit Maximizing Firm," 1983 - 1984.

University Seed Money Grant, Ohio State University, "Optimal Production, Inventory, Backlogging, and Machine Loading in a Group Technology Line," 1983.

College Seed Money Grant, Ohio State University, "Optimal Level and Time of Technological Acquisition Required to Alleviate a Manpower Supply Shortage," 1982.

Awards and Honors

“Best Department Editor Award” for Production and Operations Management, April 2024.

POMS Journal Biennial Award Announced: “Cheryl Gaimon Best Innovation Paper Award”. First award given POMS Spring 2023.

Sushil K. Gupta POMS Distinguished Service Award 2014, May 2014.

Brady Family Award for Faculty Research Excellence, awarded by the Scheller College of Business, Georgia Institute of Technology, April 2014.

Fellow of the Production and Operations Management Society, May 2009.

Distinguished Service Award, Technology Management Section, INFORMS, October 2009.

Distinguished Fellow Award, College of Product Innovation & Technology Management, POMS, May 2008.

Distinguished Speaker: Technology Management Section, "The Impact of Technological Developments on Research in Technology Management," INFORMS Conference, Seattle WA, November 2007.

Regents’ Professor, Board of Regents, University System of Georgia, 2005.

University Faculty Research Award for Outstanding Doctoral Thesis Advisor, Georgia Institute of Technology, 1999.

Advisor of Outstanding Student Paper Award Winner, Portland International Conference on Management of Engineering and Technology, "The Implications of Firm Size on Process Improvement Strategy" June 1997 (with Janice Carrillo).

Best Theoretical-Empirical Research Paper Award, National Decision Sciences Institute Conference, 1987, for paper entitled "Dynamic Open Versus Closed Loop Results on the Acquisition of New Technology."

Best Theoretical-Empirical Research Paper Award, National Decision Sciences Institute Conference, 1986, for paper entitled "Optimal Acquisition of FMS Technology Subject to Technological Progress," (with Aleda Roth, Lee Krajewski).

TEACHING

Curriculum and Program Development (Georgia Institute of Technology)

Operations Management Programs (Undergraduate, MBA, Ph.D.)

First Area Coordinator for Operations Management. Responsibilities included all program developing: hiring faculty, curriculum and course development (undergraduate, masters, Ph.D.). Efforts culminated in the creation of a core course and a variety of electives at the undergraduate and MBA levels, an undergraduate Certificate for Operations Management, and an MBA Concentration for Operations Management. US News ranked the undergraduate operations management program #7 (2020) and the MBA concentration #7 (2019). Ph.D. students take six semester seminars in operations management research topics and methodology from the College of Engineering and the College of Science. Since 2008, there have been fourteen Ph.D. graduates.

Management of Technology Certificate Program: Master Level

One of four faculty who developed the Management of Technology (MOT) Certificate Program. Students work with peers in business, engineering, and science. Students learn how to create, implement, and integrate technological and scientific innovations to create value and competitive advantage. Ongoing responsibilities include curriculum revision, student advisement, maintaining website, and distributing information throughout campus. The Scheller College of Business has awarded more than 100 certificates each year for over 25 years.

Course Development and Courses Taught

MGT 6350: Core required course in Operations Management (MBA)

Analyze the strategic and tactical challenges of managing a firm's resources capabilities in manufacturing and service industries including capacity, processes and procedures, work force, information, and materials. Topics include supply chain management, operations strategy, project management, quality, capacity planning, and location.

MGT 6357 and 4366: Service Operations Management (MBA and Undergrad Elective)

Analysis of service sector performance in global markets with special emphasis on improving operations using new technology. Industries studied include banking and insurance, consulting, entertainment, healthcare, knowledge-intensive services (product/process design and development as well as R&D), public services (police and fire), restaurant, retail, telecommunications, and transportation and distribution.

MGT 6772 and 3510: Managing Resources of the Technological Firm

Graduate section is cross listed with the School of Industrial Systems Engineering. Core required course for the *Management of Technology* (MOT) Certificate Program. MBA elective and graduate elective for ISyE. Undergraduate course is management elective.

Analyze multidisciplinary problems on management of innovation and in science and technology that drive a firm's competitive advantage. Emphasis on the challenges associated with uncertainty in the context of rapidly changing technology and global markets. Focus on how to develop (innovate), design (plan), measure (assess), and improve (change) a firm's resource capabilities in both manufacturing and service industries. Course integrates marketing, information technology, operations, organizational behavior, and strategy. Specific topics include innovation processes, technology transfer, R&D, technology strategy, managing technology change, productivity and new technology implementation, product/process quality, supply chain management, knowledge management, and methods for justification of new technology. Analyze cases in actual manufacturing and service industry settings and study articles from managerial practice as well as academic journals. The course requirements include a final exam and three written case analyses (completed by interdisciplinary teams). Along with cases, a set of lecture notes is the basis of the course.

MGT 7350: Life Cycle of Knowledge Management Activities (Ph.D.)

Students explore the academic literature spanning four phases of the lifecycle of a firm's knowledge management activities from ideation through commercialization. Phase I: the firm identifies an opportunity or generates an idea. Phase II: the firm deploys knowledge to evaluate an opportunity or idea. Phase III: the firm builds and sustains an enterprise to generate value in the marketplace through new product and process development. In Phase IV: analysis of market entry, survival, and exit strategies. While most of the literature focuses on operations management, we also consider research from information technology, marketing, organizational theory and strategy. Research methods in the literature include normative, empirical methods, behavioral, and field studies.

MGT 8855: Dynamic Decision Making in Operations Management (Ph.D.)

Dynamic and optimization methods including the calculus of variations and optimal control theory. Consider deterministic, stochastic, single firm, and game theoretic approaches. Application topics include knowledge management, new product development, innovation and technology management. The decision-making environments are dynamic and typically nonlinear. A set of lecture notes forms the basis of the mathematical development presented in class.

EMOT 6110 Technology and Transformational Work Processes: Executive Education

Core required course in the Executive Management of Technology master's degree Program. Analyze the challenges of managing a firm's resources in manufacturing and services industries including technology, work force, materials, and information. Focus on the way resources should be configured and evolve in the context of rapid change and uncertainty in markets, technology, and global competition.

GTMMMP (Georgia Tech Mid-Management Program)

Session entitled: "Delivering Value to the Customer." Focus on how operations management decisions impact a firm's competitive position. Both manufacturing and service organizations are considered. Emphasis on recent innovations in operations principles including product/process design and integration, supply chain management, knowledge management, and quality.

BellSouth Strategic Management Program

Sessions on Operations Management and Management of Technology. Focus on how to use Operations Management as a competitive weapon and how to manage resources subject to rapid change and uncertainty in the service sector and the telecommunications industry.

Apple South Management Program

Sessions focus on using Operations Management as a competitive weapon. Emphasis on the service sector and the retail/restaurant industries.

EXTERNAL SERVICE

Editorial Positions

Department Editor, Production and Operations Management, October 2003 – present.

Special Issue Editor, Production and Operations Management on Management of Technology, Volume 26, No. 4, 2017.

Associate Editor, Entrepreneurship and Innovation Department, Management Science, 2015 – 17.

Editorial Board, Foundations and Trends in Technology, Information and Operations Management, June 2013 – 2015.

Member, Advisory Board for Center on Organizational Learning, Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA, 15213, 2006 – 10.

Advisory Editorial Board, Journal of Japanese Operations Management and Strategy, special issue on The Revolution of Management Technologies, December 2009 – 2011.

Special Issue Editor, Production and Operations Management, Management of Technology, January 2008.

Associate Editor, Management Science, 1995 – 2007.

Editorial Board, Manufacturing & Service Operations Management, 2003 – 05.

Associate Editor, Decision Sciences, 1993 – 2004.

Area Editor, Production and Operations Management (POMS), 2000 – 03.

Senior Editor, Manufacturing & Service Operations Management, 2000 – 02.

Department Editor, Institute of Industrial Engineers (IIE) Transactions, 1995 – 2001.

Department Editor, IEEE Transactions on Engineering Management, 1995 – 2001.

Editorial Board, Manufacturing & Service Operations Management, 1996 – 99.

Associate Editor for Operations Research Letters, ORSA Journal, 1990 – 95.

Editorial Review Board for Journal of Operations Management, 1991– 93.

Contributions to Professional Societies (Partial List)

Session Organizer and Chair, INFORMS Annual Conference, Phoenix, Arizona, October 2023.

Judge for the POMS Journal Biennial Awards, “Cheryl Gaimon Best Innovation Paper Award,” papers published by the journal during 2018-2021, given at POMS Annual Conference, Orlando, Florida, May 2023.

Judge, “Best Working Paper Award,” TIMES College, INFORMS Annual Conference Indianapolis, Indiana, October 2022.

Co-Chair, POMS 25th Annual Conference, Atlanta, Georgia, May 2014.

Elected Production and Operations Management Society: President-Elect 2007 – 08; President, 2008 - 09; Past President, 2009 – 12.

Member INFORMS Publications Committee, 2011 – 12.

Member, Search Committee for Editor-in-Chief of INFORMS Journal on Computing, 2012.

Chair, Manufacturing & Service Operations Management Review Committee, INFORMS, 2011.

Member, Skinner Best Paper Award Committee, Production and Operations Management Society, 2010 – 11.

Chair, Fellows Committee, Production and Operations Management Society, 2010 – 11.

“Best Paper Award” Committee, Production and Operations Management Society, 2010.

Founding Co-President, Production and Operations Management Society College on Product Innovation and Technology Management, 2004 – 07.

Elected Vice President of Member Activities, Production and Operations Management Society, 2004 – 06.

Member, Skinner Best Paper Award Committee, Production and Operations Management Society, 2006.

Member of Program Committee, International Production and Operations Management Society Conference, Italy, Summer 2003.

Program Committee, Production and Operations Management Society Conference, 2003.

Elected Board Member, Production and Operations Management Society, 2002 – 03.

Elected Secretary-Treasurer, ORSA Technical Section on Manufacturing & Operations Management, 1994 – 95.

Chair, Student Paper Awards Committee, ORSA Technical Section on Manufacturing & Operations Management, 1994.

Chair, Awards Committee, ORSA Technical Section on Manufacturing & Operations Management, 1992 – 93. (Designed first annual student paper awards competition.)

Reviewer Activities (Partial List)

Academy of Management, IEEE Transactions on Engineering Management, IIE Transactions, Journal of Operations Management, Management Science, Manufacturing & Service Operations Management, National Science Foundation, Naval Research Logistics, Operations Research, and Production and Operations Management.

INTERNAL INSTITUTE and COLLEGE SERVICE (Georgia Institute of Technology)

Director of the Management of Technology Certificate Program, 1999 – present.

Administrative duties include the following. (Also see Curriculum Development under Teaching.)

- Periodically administer student surveys for feedback on program improvement.
- Write and distribute program brochure throughout campus.
- Design and update program a web page.
- Advise students.
- Update program electives as new course become available.

Area Coordinator for Operations Management, Scheller College of Business, 2014 – 15.

Primary responsibility for the oversight of all administrative duties in the Operations Management Area. Focus on hiring and developing non-tenure track faculty in Operations Management.

Area Coordinator for Operations Management, Scheller College of Business, 1988 – 95.

Primary responsibilities included recruiting faculty, initiating development of the OM area curriculum and courses (core and electives) at the undergraduate, MBA, and Ph.D. levels.

College/Institute Committees

Member (elected), Periodic Peer Review Committee, 2022-23.

Member (elected), Periodic Peer Review Committee, 2020-21.

Director, Management of Technology Certificate Program, 1999 – present.

Member, Institute's Honorary Degree & Commencement Speaker Committee, 2018 – 21.

Member, Institute Reappointment, Promotion, & Tenure Committee, 2019 – 20.

Co-Chair (elected), Reappointment, Promotion, & Tenure Committee, Scheller College, 2018 – 19,

Member, Regents Award Committee, 2000 – 01, 2007 – 08, 2011 – 13, 2015, 2018, 2020.

Member (elected), Dean's Advisory Committee, 2013 – 14.

Member (elected) and Chair, Periodic Peer Review Committee, 2013 – 14.

Member (elected) Executive Board, 2006 – 2009.

Member (elected), Scheller College of Business Personnel Committee, 1997 – 19, 2006 – 08.

Member College Ph.D. Committee, 2003 – 07.

Member (elected) Student Academic and Financial Affairs Committee, 2003 – 06.

Member (elected) Academic Senate, 2003 – 06.

Member Search Committee for ISyE School Chair, 2004 – 05.

Member College Ph.D. & Research Committee, 1999 – 02.

Member Dean's Advisory Committee, (elected), 2000 – 01.

Member Institute Faculty Research Awards Committee, 2000.

Member, Policy, and International Affairs Personnel Committee, 1997 – 98.

Member School of Management Personnel Committee, 1990 – 93, 1994 – 97.

Member Master Program Committee for School of Management, 1989 – 91.

Member Search Committee for Dean of School of Management, 1990 – 91.

Doctoral Committees

Member Ph.D. Dissertation Committee, Zeya Wang, 2024.

Member Ph.D. Dissertation Committee, Param Pal Singh Chhabra, 2022.

Co-Chair, Ph.D. Dissertation Committee, Jaeseok-Lee, 2018.

Member Ph.D. Dissertation Committee, Marcus Bellamy, 2015.

Member, Ph.D. Dissertation Committee, Jeremy J. Kovach, 2014.

Chair, Ph.D. Dissertation Committee, Jennifer Bailey, 2013.

Chair, Ph.D. Dissertation Committee, Wenli Xiao, 2012.

Member, Ph.D. Dissertation Committee, Jeremy Hutchinson-Krupat, 2011.

Member, Ph.D. Dissertation Committee, Nektarios Oraopoulos, 2009.

Chair, Ph.D. Dissertation Committee, Gulru Ozkan, 2008.

Member, Ph.D. Dissertation Committee, Raul Chao, 2007.

Co-Chair, Ph.D. Dissertation Committee, Sanjiv Erat, 2006.

Member, Ph.D. Dissertation Committee, Erik Lystad, 2006.

Member, Ph.D. Dissertation Committee, Se-Kyoung Oh, 2005.

Member, Ph.D. Dissertation Committee, Jack Su, 2004.

Member, Ph.D. Dissertation Committee, Patty Swafford, 2003.

Member, Ph.D. Committee, Milind Gahanan Sohoni, 2002.

Member, Ph.D. Committee, Joon Park, 2002.

Chair, Ph.D. Dissertation Committee, Markus Biehl, 1998.

Chair, Ph.D. Dissertation Committee, Rick Franza, 1997.

Chair, Ph.D. Dissertation Committee, Karen Napoleon, 1997.

Chair, Ph.D. Dissertation Committee, Janice Carrillo, 1997. *Awarded research fellowship from Intel Corporation, 1994-5. *Awarded Best Student Paper at Portland International Conference on Management of Engineering and Technology, July 1997.

Chair, Ph.D. Dissertation Committee, Alysse Rosewater, 1997.

Doctoral Committees (Ohio State University)

Chair, Ph.D. Dissertation Committee, Soumen Ghosh, December 1987.

Co-Chair, Ph.D. Dissertation Committee, Aleda V. Roth, December 1985. "Best Dissertation Award" from Decision Sciences Institute, 1986.

Member, Ph.D. Dissertation Committee, Vicki L. Daniels, June 1984.