

PANAGIOTIS (PANOS) KOUVELIS

*Emerson Distinguished Professor of Operations
and Manufacturing Management*

*Director of The Boeing Center
for Supply Chain Innovation*

Washington University • Olin Business School
Campus Box 1156 • 1 Brookings Drive • St. Louis, MO 63130-4899

EDUCATION

- September, 1988* **STANFORD UNIVERSITY**, Stanford, California
Ph.D. in Industrial Engineering and Engineering Management
Specialty: Operations and Supply Chain Management
Minor field: Operations Research
- June, 1985* **UNIVERSITY OF SOUTHERN CALIFORNIA**, Los Angeles, California
Masters in Business Administration (MBA)
Masters in Industrial and Systems Engineering
- June, 1983* **NATIONAL TECHNICAL UNIVERSITY OF ATHENS**, Athens, Greece
Diploma in Mechanical Engineering

WORK EXPERIENCE

- August 2009 -
September 2013* **SENIOR ASSOCIATE DEAN & DIRECTOR OF EXECUTIVE PROGRAMS**
Olin Business School
Washington University in St. Louis
#2 Worldwide, Olin EMBA (WSJ, 2010)
#6 Financial Times, Top Stand Alone EMBA (FT, 2013)
Top 10 in U.S., Financial Times, Open & Custom Ex. Programs (FT, 2014)
EMBA program revenues doubled and Executive Programs contribution tripled, with strategic expansion to Kansas City and Denver and new certificate programs (women's leadership forum, finance, supply chain and leadership). EMBA rankings elevated, and Non-Degree Executive Programs, open and custom, doubled in revenues and ranked for the first time in U.S. top 10 by *Financial Times*. Continued success of EMBA Shanghai with a high quality, 13th cohort.
- July, 2005–2009* **AREA CHAIR, OPERATIONS & MANUFACTURING MANAGEMENT**
Olin Business School
Washington University in St. Louis
- July, 2000–Present* **EMERSON DISTINGUISHED PROFESSOR OF OPERATIONS &
MANUFACTURING MANAGEMENT**
Chaired Professor in Olin Business School
Washington University in St. Louis
- July, 2000–Present* **DIRECTOR OF THE BOEING CENTER FOR TECHNOLOGY, INFORMATION &
MANUFACTURING (BCTIM), renamed to THE BOEING CENTER FOR SUPPLY
CHAIN INNOVATION (BCSCI) in July 2016**
Olin Business School
Washington University in St. Louis

- Summer, 2004*
(August) **VISITING RESEARCH PROFESSOR**
Hong Kong Polytechnic University
Kowloon, Hong Kong
(visited the Department of Logistics)
- Spring semesters:*
1999, 2000, 2001 **VISITING PROFESSOR OF PRODUCTION MANAGEMENT**
Graduate School of Business
University of Chicago
(taught Operations Management and Operations Strategy courses in the Executive Programs at Chicago, Barcelona and Singapore)
- July, 1997–*
July 2000 **PROFESSOR & CO-DIRECTOR OF BCTIM**
Olin Business School
Washington University in St. Louis
- Spring, 1998* **VISITING PROFESSOR OF OPERATIONS STRATEGY**
Otto Beisheim School of Management
WHU Koblenz, Vallendar, Germany
(taught an Operations Strategy course)
- July, 1996–*
June, 1997 **VISITING ASSOCIATE PROFESSOR**
Olin Business School
Washington University in St. Louis
- January, 1992–*
June 1997 **ASSOCIATE PROFESSOR**
Fuqua School of Business
Duke University, Durham, North Carolina
- August, 1988–*
December, 1991 **ASSISTANT PROFESSOR**
Management Department
Graduate School of Business Administration
University of Texas, Austin, Texas

TEACHING EXPERIENCE

- July, 1996–Present* **Olin Business School**
Washington University in St. Louis
- | | | |
|----------------|-----------------|---|
| Courses | <i>OMM 5700</i> | <i>Operations Management (MBA, core)</i> |
| taught: | <i>OMM 558</i> | <i>Advanced Operations Strategy (MBA, elective)</i> |
| | <i>MGT 558</i> | <i>Managing the Innovation Process</i> |
| | <i>OMM 550</i> | <i>Risk Management in Supply Chains</i> |
| | <i>OMM 500C</i> | <i>Managing Global Business Process Outsourcing</i> |
| | <i>MGT 500G</i> | <i>E-Inventing Business Processes</i> |
| | <i>MGT 500I</i> | <i>Managing Technological Innovation and Growth</i> |
| | <i>MGT 500J</i> | <i>Transforming Business Through Information Technology</i> |
| | <i>OMM 500B</i> | <i>Information Technology and Supply Chain Management</i> |
| | <i>FIN 550</i> | <i>Numerical Methods and Optimization in Finance</i> |
| | <i>OMM 650</i> | <i>Supply Chain Management Research</i>
<i>(Doctoral course)</i> |
| | <i>OMM 656</i> | <i>Managing Flexibility and Risk in Global Supply Chains</i>
<i>(Doctoral course)</i> |
| | <i>OMM 660</i> | <i>Analytical Models in Operations Strategy and Technology</i>
<i>Management (doctoral course)</i> |

Executive Education:

Teaches Operations and Manufacturing Strategy, Global Supply Chain Management, International Operations, Managing the Innovation Process, Managing Disruptive Business Models, Strategic Management of Information Technology, and Business-to-Business E-commerce for the EMBA program and the joint Fudan-Olin at Shanghai, China, EMBA program.

Teaches in customized programs for companies on topics such as: Supply Chain Management, Manufacturing Strategy, Managing Innovation, and Lean Manufacturing.

<i>OMM 756</i>	<i>Managing Operations</i>
<i>OMM 850</i>	<i>Introduction to Manufacturing Management</i>
<i>OMM 857</i>	<i>Manufacturing and Operations Strategy</i>
<i>OMM 759A</i>	<i>International Operations</i>
<i>EMBA 759B</i>	<i>Strategic Management of Information Technology</i>
<i>OMM 859</i>	<i>Supply Chain Management</i>
<i>MGT 804</i>	<i>Business-to-Business E-Commerce</i>
<i>HSM 919D</i>	<i>Introduction to E-Commerce</i>
<i>MGT 750</i>	<i>Managing the Innovation Process</i>
<i>MGT 740</i>	<i>Opportunities and Challenges of the Global Economy</i>

Developed an **Online Executive Education Course** on “Global Supply Chain Management” (sold by Learning Insights)

*January, 1992–
June, 1996*

**Fuqua School of Business
Duke University**

Courses	<i>BA 370</i>	<i>Operations Management (MBA, core)</i>
taught:	<i>BA 471</i>	<i>Manufacturing Strategy (MBA, elective)</i>
	<i>BA 475</i>	<i>International Operations Management (MBA, elective)</i>
	<i>BA 572</i>	<i>Seminar in Operational and Technological Tactics (Doctoral seminar)</i>

Executive Education:

Fuqua Program for Manager Development in St. Petersburg, Russia (taught in two-week programs on Manufacturing Strategy and Global Operations)

*September, 1988–
December, 1991*

**Management Department, Graduate School of Business
University of Texas at Austin**

Courses	<i>BA 380N</i>	<i>Operations Management (MBA, core)</i>
taught:	<i>MAN 386.7</i>	<i>Manufacturing Strategy (MBA, elective)</i>
	<i>MAN 386.21</i>	<i>Current Issues in International Management (MBA, elective)</i>
	<i>MAN 386.8</i>	<i>Design of Operational Systems (Doctoral seminar)</i>

CASE STUDIES

- Monsanto Company: Production & Inventory Planning Challenges in Seed Corn Supply Chains (agribusiness, supply chain challenges, production & capacity planning, inventory management)
- Monsanto Company: New Product Introduction for Seed Corn & Supply Chain Challenges (agribusiness, new product introduction, global supply chains)
- Hephaestus Metal Works Case (supply chain re-engineering)
- Video Rental Developments and the Supply Chain: NETFLIX, Inc.

- (e-business and supply chain management)
- Spraytech, Inc.
(capacity analysis/manufacturing strategy case)
- Solutia, Acrilan Division and the Asian Crisis: Global Supply Chain Competition in the Acrylic Fiber Industry in the New Millennium
(global supply chain management, international operations, sourcing)

EDITORIAL POSITIONS

2015–Present	Co-editor, Special Issue on Supply Chain Finance, <i>Manufacturing and Service Operations Management</i> (M&SOM)
2003–Present	Department Editor, <i>Production & Operations Management</i>
2007–Present	Associate Editor, <i>Manufacturing and Service Operations Management</i> (M&SOM)
2012–Present	Editorial Board, <i>Foundations and Trends in Technology, Information and Operations Management</i>
2003–2016	Editorial Board, <i>Surveys in Operations Research and Management Science (SORMS)</i>
2005–2011	Associate Editor, <i>Operations Research</i>
2005–2011	Associate Editor, <i>Decision Sciences</i>
2008–2011	Editorial Board, <i>Computational Management Sciences</i>
2007–2011	Senior Editor, <i>Flexible Services and Manufacturing Journal</i>
2007–Present	Advisor to Editorial Board, <i>International Journal of Revenue Management</i>
2007–Present	Editorial Board, <i>International Journal of Inventory Research</i>
2000–2003	Associate Editor, <i>Management Science</i> on Interdisciplinary Research
2003–2005	Senior Editor, <i>Manufacturing and Service Operations Management</i> (M&SOM)
2001–2005	Department Editor, <i>IIE Transactions</i> on Supply Chains/Production-Inventory Systems
1997–2000	Associate Editor, <i>Management Science</i> on Supply Chain Management
1995–2001	Department Editor, <i>IIE Transactions</i> on Project Selection, Coordination and Management
Special issue	Editor, <i>Journal of Global Optimization</i> (special issue on Optimization Applications in Scheduling Theory)
Special issue	Associate Editor, <i>Journal of Intelligent Manufacturing</i>
1993–1995	Associate Editor, <i>IIE Transactions</i> on Production Planning and Control
1991–1993	Associate Editor, <i>IIE Transactions</i> on Facilities Design and Material Handling

RESEARCH INTERESTS

Global supply chain management, supply chain finance, supply chain risk management, managing innovation, disruptive innovation strategies, lean startups, enterprise risk management, operations strategy, outsourcing and procurement strategies, managing production-inventory systems, lean product development, health care management, project management, marketing/manufacturing interfaces, robust operational decision making, facilities location and layout design, lean operations, operational excellence

HONORS

- 2016 **Fellow of POMS Award**
Lifetime achievement award for contributions in the field of operations management, awarded by the Production and Operations Management Society (POMS)
- 2015 **Appointment to the Academic Council, ALBA Graduate School of Business, The American College of Greece, Athens, Greece**
- 2013 **Founders Day Distinguished Faculty Award, Washington University in St. Louis.**
University wide award to 3-4 faculty per year
- 2012-2013,
2014-2017 **Appointment to Advisory Committee of US Department of Commerce on Supply Chain Competitiveness (and Second Term Reappointment)** One of two academic leaders on the committee, with 40 other private sector representatives. Recently reappointed to a second term.
- 2013-2016 **Appointed to St. Louis Regional Chamber Multimodal Logistics Forum.** Serves as subject expert.
- 2003, 2007,
2008, 2009,
2011 & 2012 **EMBA Reid Teaching Award**
Olin Business School, Washington University
Best Teacher of the Program, graduating EMBA Classes of 2003, 2007, 2008, 2009, 2011 and 2012 as voted by the EMBA students
- 1998–2002 **M&O Classes I, II, III and V Teaching Awards**
Best Teacher of the M&O Program award, graduating M&O classes of 1998, 1999, 2000, and 2002 as voted by the executive students
- 2000 **Best Research Paper Award**
IIE Transactions on Operations Engineering
Awarded by the Institute of Industrial Engineers for the best research paper in the Institute’s flagship publication of IIE Transactions
- 1998 and 2000 **MBA Reid Teaching Awards**
Olin Business School, Washington University
Best Teacher of the Year, graduating MBA Classes of 1998 and 2000, as voted by the MBA students
- 2005 **M&SOM Meritorious Service Award**
Awarded by the Editor of M&SOM for exceptional reviewing services
- 2002 **Certificate of Service Excellence Award of IIE Transactions**
Institute of Industrial Engineers for service to their flagship journal
- 1996 and 1999 **Meritorious Service Award of Operations Research**
Given by the Editor of *Operations Research* journal for exceptional reviewing services
- Fall, 1995 **Teaching Award, Fuqua School of Business**
Given by the MBA Student Association at Duke for outstanding teaching performance
- 1989–1993, 2008 **Top 10 Research Ranking**
Ranked as the 7th most productive researcher of Production and Operations Management in U.S. business schools from 1989–1993*
* Young, et al. 1996, “POM Research Productivity in U.S. Business Schools,” 14(1), 14–53
Listed among the 15 most highly cited (h-index) POM scholars
* B. Jiang, 2008 “How to do research: advice from stellar scholars in POM field,” in JOM
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- 1990–1991 **Nominated for CBA Foundation Teaching Award for Assistant Professors**
Management Department, Graduate School of Business, UT, Austin
- 1987–1988 **IBM Graduate Pre-Doctoral Fellowship Award for Manufacturing Research**
Nominated by the Industrial Engineering and Engineering Management Department at Stanford
university and the Stanford Institute for Manufacturing and Automation (SIMA)
- 1988 **Best Graduate Student Award from the Industrial Engineering Department, Stanford**
Awarded upon graduation by Stanford University for outstanding performance at the graduate
level
- 1985 **Business School Dean Award**
Awarded by the University of Southern California for outstanding graduate performance in the
dual master's degree program
- 1978 **Thomaides Award for Exceptional Undergraduate Student**
Awarded by the National Technical University of Athens, and Technical Chamber of Greece
award for graduating first among 120 students in the Mechanical Engineering Department

DOCTORAL STUDENTS

- 2016 **Guang Xiao:** Managing Supply Yield & Commodity Price Risks in Global Supply Chains
Assistant Professor, Department of Logistics & Maritime Studies, Hong Kong Polytechnic U.
- Xiaomeng Guo:** Supply Chain Challenges for Retailers in an Omni-Channel Environment
Assistant Professor, Department of Logistics & Maritime Studies, Hong Kong Polytechnic U.
- 2014 **Yixuan Xiao:** A Study of Drug Distribution in Pharmaceutical Supply Chains
Assistant Professor, College of Business, City University of Hong Kong
- 2012 **Ehsan Bolandifar:** Contracting and Procurement Schemes in Supply Chains with Added
Complexities
Assistant Professor, Decision Sciences and Managerial Economics, Chinese University of Hong
Kong
- 2011 **Zhili Tian:** Study of Phase III New Drug Development, Product Line Complexity, and Supply \
Chain Coordination
Assistant Professor, Decision Sciences and Information Systems, Florida International University
- 2011 **Xiaole (Sherri) Wu:** Essays in Supply Chain Risk Management
Associate Professor, Fudan School of Management, Shanghai, China
- 2008 **Sammi (Yu) Tang:** Essays on Managing Supply Uncertainty: Diversification Strategies,
Contingency Plans and Competition Effects
Associate Professor, School of Business, University of Miami, Florida
- 2007 **Zhongjun (James) Tian:** Essays on Dynamic Pricing and Operational Flexibility in Managing
Capacity and Inventory of Agile Supply Chains
Associate Professor, Shanghai University of Finance and Economics, Shanghai, China
- 2007 **Julie A. Niederhoff:** Essays on Applications of Experimental Economics and Behavioral
Research in Supply Chain Management
Assistant Professor, Whitman School of Management, Syracuse University, New York
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- 2006 **Ping Su:** Essays on Supply Chain and Technology Managements Under Global Competition and Stochastically Evolving Markets
Assistant Professor, Management, Entrepreneurship and General Business, Frank G Zarb School of Business, Hofstra University
(Previously, Assistant Professor, School of Management, State University of New York at New Paltz, New York)
- 2006 **Zhenxin (Dennis) Yu:** Essays on Product Variety and Supply Chain Management: Product Line, Pricing, Capacity and Inventory Choices
Associate professor, School of Business, Clarkson University, New York
- 2004 **Qing Ding:** Essays in Global Supply Chain and Revenue Management in the Network Economy
Professor, School of Management, Huazhong University of Science and Technology (HUST)
(Previously, Assistant professor, School of Business, Singapore Management University (SMU), Singapore)
- 1999 **Chester Chambers:** Three Essays on the Strategic Management of Technology and Innovation
Associate Professor, Carey Business School, Johns Hopkins University, Baltimore
(Previously, Assistant Professor, Cox School of Management, Southern Methodist University, Dallas, Texas)
- 1996 **Vikas Sinha:** Global Production and Sourcing Strategies Under Exchange Rate Uncertainty
Visiting Assistant Professor, School of Management, University of Texas at Dallas, Dallas, Texas; IBM Consulting Group, Dallas, Texas; Boeing, St. Louis; Director of Supply Chain Management at Pepsi Co., Chicago, IL
- 1996 **Leslie Olin-Morgan:** Cross-Functional Decision Models: Coordinating Marketing Priorities with Scheduling, Product Mix, and Technology Choice Decisions
Assistant Professor, David Eccles School of Business, University of Utah, Salt Lake City, Utah
- 1993 **Debasish N. Mallick:** The Design Strategy and Its Interfaces with Manufacturing and Marketing Strategies
Associate Professor, University of St. Thomas, Minneapolis
(Previously Assistant Professor, Boston College, Boston, Massachusetts and Assistant Professor at Carlson School of Management, University of Minnesota)
- 1992 **Selcuk Karabati:** Design and Operational Problems in Flowlines
Professor, Koc University, Istanbul, Turkey
- 1991 **Samar K. Mukhopadhyay:** Essays on Quality
Associate Professor, School of Business, University of Wisconsin, Milwaukee
- 1991 **Wen C. Chiang:** FMS Layout Issues
Professor, Quantitative Methods and Management Information Systems, University of Tulsa, Oklahoma

PUBLICATIONS

BOOKS (4 books) **Kouvelis, P.,** Boyabatli, O., Dong, L., Li, R. 2012. *Handbook of Integrated Risk Management in Global Supply Chains*. Wiley, New York.

Kouvelis, P., Su, P. 2007. *On the Structure of Global Supply Chains: The Design and Location of Sourcing, Production and Distribution Facility Networks for Global Markets*. Research Monograph for book series on Foundations and Trends in Technology, Information and Operations Management, NOW, Boston-Delft

**SELECT,
TOP JOURNALS**
(47 publications)

Dornier, P.-P., Ernst, R., Fender, M., **Kouvelis, P.** 1998. **Global Operations and Logistics: Text and Cases.** Wiley, New York.

Kouvelis, P., Yu, G. 1997. *Robust Discrete Optimization and its Applications.* Research monograph for book series on Non-Convex Optimization and Its Applications. Dordrecht, The Netherlands, Kluwer

Kouvelis, P., Zhao, W. 2016. Supply Contract Design under Financial Constraints and Bankruptcy Costs. *Management Sci* **62**(8):2341-2357.

Bolandifar, E., **Kouvelis, P.,** Zhang, F. 2016. Delegation versus Control in Supply Chain Procurement and Competition. *Prod Oper Manage* **25**(9):1528-1541.

Ding, Q., **Kouvelis, P.,** Milner, J. 2016. Inventory Rationing for Multiple Class Demand Under Continuous Review. *Prod Oper Manage* **25**(8) :1344-1362.

Kouvelis, P., Xiao, Y., Yang, N. 2015. PBM Competition in Pharmaceutical Supply Chain: Formulary Design and Drug Pricing. *Manuf Serv Oper Manage* **17**(4):511-526.

Turcic, D., **Kouvelis, P.,** Bolandifar, E. 2015. Hedging Commodity Procurement in a Bilateral Supply Chain. *Manuf Serv Oper Manage* **17**(2):221-235.

Dong, L., **Kouvelis, P.,** Wu, X. 2014. The Value of Operational Flexibility in the Presence of Input and Output Uncertainties with Oil Refining Applications. *Management Sci* **60**(12):2908-2926

Tang, Y., **Kouvelis, P.** 2014. Pay-Back-Revenue Sharing Contract in Coordinating Supply Chains with Random Yield. *Prod Oper Manage* **23**(12):2089-2102

Kouvelis, P., Tian, Z. 2014. Flexible Capacity Investments and Product Mix : Optimal Decisions and Value of Postponement Options. *Prod Oper Manage* **23**(5):861-876.

Kouvelis, P., Li, R., Ding, Q. 2013. Inventory Management and Financial Hedging of Storable Commodities. *Manuf Serv Oper Manage* **15**(3):507-521.

Wu, X., **Kouvelis, P.,** Matsuo, H. 2013. Horizontal Capacity Coordination for Risk Management and Flexibility: Pay Ex Ante or Commit a Fraction of Ex-Post Demand. *Manuf Serv Oper Manage* **15**(3):458-472.

Kouvelis, P., Munson, C.L, Yang, S. 2013. Robust Structural Equations for Designing and Monitoring Strategic International Facility Networks. *Prod Oper Manage* **22**(3):535-554.

Kouvelis, P., Li, J. 2013. Off-shore Outsourcing, Yield Uncertainty and Contingency Responses. *Prod Oper Manage* **22**(1):164-177.

Kouvelis, P., Zhao, W. 2012. Financing the Newsvendor: Supplier vs. Bank, and the Structure of Optimal Trade Credit Contracts. *Oper Res* **60**(3) :566-580

Kouvelis, P., Tang, Y. 2012. On Optimal Expediting Policy for Supply Systems with Uncertain Lead Times. *Prod Oper Manage* **21**(2):309-330.

Kouvelis, P., Li, J. 2012. Contingency Strategies in Managing Supply Systems with Uncertain Lead Times. *Prod Oper Manage* **21**(1):161-176.

Kouvelis, P., Zhao, W. 2012. The Newsvendor Problem and Price-only Contract When Bankruptcy Costs Exist. *Prod Oper Manage* **20**(6):921-936.

- Tang, Y., **Kouvelis, P.**, 2011. Supplier Diversification Strategies in the Presence of Yield Uncertainty and Buyer Competition. *Manuf Serv Oper Manage* **13**(4):439–451.
- Chayet, S., **Kouvelis, P.**, and Yu, D.Z. 2011. Product Variety and Congested Production Systems: Capacity Investments and Vertical Differentiation. *Manuf Serv Oper Manage* **13**(3):390–403.
- Dong, L., **Kouvelis, P.**, Su, P., 2010. Global Facility Network Design with Responsive Pricing. *Manuf Serv Oper Manage* **12**(2):278–298.
- Dong, L., **Kouvelis, P.**, Tian, Z. 2009. Dynamic Pricing and Inventory Control of Substitute Products. *Manuf Serv Oper Manage* **11**(2):317–339.
- Xia, Y., Chen, B., **Kouvelis, P.** 2008. Market-based Supply Chain Coordination by Matching Suppliers Cost Structures with Buyers' Order Profiles. *Management Sci* **54**(11):1861–1875.
- Kouvelis, P.**, Li, J. 2008. Flexible Backup Supply and the Management of Lead Time Uncertainty. *Prod Oper Manage* **17**(2):184–199.
- Ding, Q., Dong, L., **Kouvelis, P.** 2007. On the Integration of Production and Financial Hedging Decisions in Global Markets. *Oper Res* **55**(3):470–489.
- Milner, J.M., **Kouvelis, P.** 2007. Inventory, Speculation and Sourcing Strategies in the Presence of Online Exchanges. *Manuf Serv Oper Manage* **9**(3):312–331.
- Chambers, C., **Kouvelis, P.**, Semple, J. 2006. Quality-based Competition, Profitability and Variable Costs. *Management Sci* **52**(12):1884–1895.
- Ding, Q., **Kouvelis, P.**, Milner, J.M. 2006. Dynamic Pricing Through Discounts for Optimizing Multi-class Demand Fulfillment. *Oper Res* **54**(1):169–183.
- Kouvelis, P.**, Chambers, C., Wang, H. 2006. Supply Chain Management Research and *Production and Operations Management*: Review, Trends, and Opportunities. *Prod Oper Manage* **15**(3):449–469.
- Chambers, C., **Kouvelis, P.**, 2006. Modeling and Managing the Percentage of Satisfied Customers in Hidden and Revealed Waiting Line System. *Prod Oper Manage* **15**(1):103–116.
- Kouvelis, P.**, Chambers, C., Yu, D.Z. 2006. Manufacturing Operations Manuscripts Published in the First 52 Issues of POM: Review, Trends and Opportunities. *Prod Oper Manage* **14**(4):450–467.
- Milner, J.M., **Kouvelis, P.** 2005. Order Quantity and Timing Flexibility in Supply Chains: the Role of Demand Characteristics. *Management Sci* **51**(6):970–985.
- Sayin, S., **Kouvelis, P.** 2005. The Multiobjective Discrete Optimization Problem: a Weighted Min-max Two-stage Optimization Approach and Bicriteria Algorithm. *Management Sci* **51**(10):1572–1581.
- Milner, J.M., **Kouvelis, P.** 2002. On the Complementary Value of Accurate Demand Information and Production and Supplier Flexibility. *Manuf Serv Oper Manage* **4**(2):99–113.
- Chiang, W.C., **Kouvelis, P.**, Urban, T. 2002. Incorporating Workflow Interference in Facility Layout Design: the Quartic Assignment Problem. *Management Sci* **48**(4):584–590.
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- Karabati, S., **Kouvelis, P.**, Yu, G. 2001. A Min-max-sum Resource Allocation Problem and Its Application. *Oper Res* **49**(6):913–922.
- Kouvelis, P.**, Axaroglou, K., Sinha, V. 2001. Exchange Rates and the Choice of Ownership Structure of Production Facilities. *Management Sci* **47**(8):1063–1080.
- Kouvelis, P.**, Lariviere, M.A. 2000. Decentralizing Cross-functional Decisions: Coordination through Internal Markets. *Management Sci* **46**(8):1049–1058.
- Li, C.-L., **Kouvelis, P.** 1999. Flexible and Risk Sharing Supply Contracts under Price Uncertainty. *Management Sci* **45**(10):1378–1398.
- Ernst, R., **Kouvelis, P.** 1999. The Effects of Selling Packaged Goods on Inventory Decisions. *Management Sci* **45**(8):1142–1155.
- Mukhopadhyay, S.K., **Kouvelis, P.** 1997. A Differential Game Theoretic Model for Duopolistic Competition on Design Quality. *Oper Res* **45**(6):886–893.
- Kouvelis, P.**, Gutierrez, G.J. 1997. The Newsvendor Problem in a Global Market: Optimal Centralized and Decentralized Control Policies for a Two-market Stochastic Inventory System. *Management Sci* **43**(5):571–585.
- Kouvelis, P.**, Mallick, D.N., Mukhopadhyay, S.K. 1997. Dynamic Interaction of Price and Design Quality for Products with Convex Production Costs. *Prod Oper Manage* **6**(4):373–387.
- Karabati, S., **Kouvelis, P.**, Yu, G. 1995. The Discrete Resource Allocation Problem in Flow Lines. *Management Sci* **41**(9):1417–1430.
- Daniels, R., **Kouvelis, P.** 1995. Robust Scheduling to Hedge Against Processing Time Uncertainty in Single Stage Production. *Management Sci* **41**(2):363–376.
- Ahmadi, R., **Kouvelis, P.** 1994. Staging Problem of a Dual Delivery Pick-and-place Machine in a Semiconductor Manufacturing Environment. *Oper Res* **42**(1):81–91.
- Kouvelis, P.**, Kim, M.W. 1992. Unidirectional Loop Network Layout Problem in Automated Manufacturing Systems. *Oper Res* **40**(3):533–550.
- Gutierrez, G.J., **Kouvelis, P.** 1991. Parkinson's Law and Its Implications for Project Management. *Management Sci* **37**(8):990–1001.
- Kouvelis, P.**, Lee, H.L. 1991. Block Angular Structures and the Loading Problem in Flexible Manufacturing Systems. *Oper Res* **39**(4):666–676.
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- HIGH-QUALITY JOURNALS**
(36 publications)
- Niederhoff, J., **Kouvelis, P.** 2016. Generous, Spiteful, or Profit Maximizing Suppliers in the Wholesale Price Contract: A Behavioral Study, Theory and Methodology Paper. *Eur J Oper Res* **253**(2): 372-382.
- Kouvelis, P.,** Tian, Z., Munson, C. 2015. Understanding and Managing Product Line Complexity: Applying Sensitivity Analysis to a Large-Scale MILP Model to Price and Schedule New Customer Orders. *IIE Trans.* **47**, 1-22.
- Wu, X., **Kouvelis, P.,** Matsuo, H., Sano, H. 2014. Horizontal Coordinating Contracts in the Semiconductor Industry. *Eur. J Oper Res* **237**(3):887-897
- Dong, L., **Kouvelis, P.,** Su, P. 2013. Global Facility Network Design in the Presence of Competition. *Eur J Oper Res* **16** (2) : 437-446
- Chambers, C., **Kouvelis, P.,** Su, P. 2009. Adoption of Cost Reducing Technology by Asymmetric Duopolists in a Stochastically Evolving Market. *IIE Trans* **41**(2):145–157.
- Karabati, S., **Kouvelis, P.,** 2008. Optimal Quantity Discount Design with Limited Information Sharing. *Decision Sciences* **39**(4):791–819.
- Ding, Q., **Kouvelis, P.,** Milner, J. 2007. Dynamic Pricing for Multiple Class Deterministic Demand Fulfillment. *IIE Trans* **39**(11):997-1013.
- Chiang, W-C., **Kouvelis, P.,** Urban, T. 2007. Line Balancing in a Just-in-time Production Environment: Balancing Multiple U-lines. *IIE Trans* **39**(4):347-359.
- Chiang, W-C., **Kouvelis, P.** Urban, T. 2005. Single and Multi-objective Facility Layout with Workflow Interference Considerations. *Eur J Oper Res* **174**(3):1414-1426.
- Kouvelis, P.,** Rosenblatt, M., Munson, C. 2004. A Mathematical Programming Model to Global Plant Location Problems: Analysis and Insights. *IIE Trans* **36**(2):127–144.
- Chambers, C., **Kouvelis, P.** 2003. Competition, Learning and Investment in New Technology. *IIE Trans* **35**:863–878.
- Kouvelis, P.,** Milner, J.M. 2002. Supply Chain Capacity Expansion and Vertical Integration: the Dynamic Interplay of Demand and Supply Uncertainty. *IIE Trans* **34**:717–728.
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Chayet, S., **Kouvelis, P.,** Yu, D.Z. 2009. Product Design, Pricing, and Capacity Investment in a Congested Production System. In: S. Netessine and C. Tang (eds.) Consumer Driven Demand and Operations Management Models. Springer, New York, NY, Chapter 9, pp. 229-251.

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Kouvelis, P. 1998. Global Sourcing Strategies under Exchange Rate Uncertainty. In: Quantitative Models in Supply Chain Management. Tayur, S., Magazine M., Ganesan R. (eds.). Dordrecht, The Netherlands, Kluwer. pp. 625:667.

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Chiang, W.-C., Gutierrez, G.J., **Kouvelis, P.** 1992. Simulated Annealing and Tabu search. In: Kusiak, A. (ed.), Intelligent Design and Manufacturing. Hoboken, NJ, Wiley, Ch. 26, pp.673–700.

**PAPERS
SUBMITTED
FOR
PUBLICATION**

Kouvelis, P., Wu, X., Xiao, Y. 2016. Strategic Rationale for Cash Hedging in a Supply Chain. Olin Business School, Washington University in St. Louis (second review, *Management Sci*).

Kouvelis, P., Xiao, Y., Yang, N. 2016. Drug Pricing for Pharmaceutical Manufacturers Distributing Through a Common PBM. Olin Business School, Washington University in St. Louis (second review, *Management Sci*).

Kouvelis, P., Zhao, W. 2016. Who Should Finance the Supply Chain: Impact of Credit Ratings on Supply Chain Decisions. Olin Business School, Washington University in St. Louis (second review, *Manuf Serv Oper Manage*).

Kouvelis, P., Turcic, D., Zhao, W. 2016. The Role of Pass-Through Contracts in Environments with Volatile Input Prices and Frictions. Olin Business School, Washington University in St. Louis (second review, *Manuf Serv Oper Manage*).

Kouvelis, P., Li, R. 2016. Integrated Risk Management for Newsvendors with VaR Constraints. Olin Business School, Washington University in St. Louis (first review, *Manuf Serv Oper Manage*).

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Kouvelis, P., Xiao, G. 2016. Study of Hybrid (Push-Pull) Wholesale Price Contracts for Random Yield Supply Chains. Olin Business School, Washington University in St. Louis (first review, *Management Sci*).

Cohen, M.A., Cui, S., Ernst, R., Huchzermeier, A., **Kouvelis, P.**, Lee, H.L., Matsuo, H., Steuber, M., Tsay, A. 2016. Benchmarking Global Production Sourcing Decisions: Where and Why Firms Offshore and Reshore. Olin Business School, Washington University in St. Louis (first review, *Manuf Serv Oper Manage*).

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Tian, Z., Tang, S., **Kouvelis, P.** 2016. Soft Orders in Supply Chains: Role of Penalties and Rationing Rules (first review, *IIE Transactions*)

**WORKING
PAPERS**

Kouvelis, P., Turcic, D., Xiao, G. 2016. Competitive Risk Management under Fluctuating Procurement Cost. Olin Business School, Washington University in St. Louis.

Jung, S.H., **Kouvelis, P.** 2016. Rationale for Supply Partnership with Downstream Rivals: Information Asymmetry and Dual Sourcing. Olin Business School, Washington University in St. Louis.

Kouvelis, P., Shi, D. 2016. Who Compensates the Sales Agent? Olin Business School, Washington University in St. Louis.

Guo, X., **Kouvelis, P.,** Turcic, D. 2016. Omni-Channel Retail in the Presence of Operational Frictions. Olin Business School, Washington University in St. Louis.

Hu, J., **Kouvelis, P.,** Xiao, G. 2016. Strategic Horizontal Outsourcing: Role of Sole Sourcing Commitment. Olin Business School, Washington University in St. Louis.

Kouvelis, P., Chen, X., Xia, A. 2016. Push and Pull Contracts in Project-Based Supply Chains. Olin Business School, Washington University in St. Louis.

Kouvelis, P., Li, J. 2016. Transfer Price and Yield Risk-sharing Contracts for Cotton Supply Chains. Olin Business School, Washington University in St. Louis.

Kouvelis, P. and Tian, Z. 2016. Partial Flexibility and Capacity Commitment: Investment Strategies in Newsvendor Networks. Olin Business School, Washington University in St. Louis.

Jung, S.H., **Kouvelis, P.** 2016. On the On-Shore vs. Off-Shore Sourcing Strategy under Supply and Demand Uncertainty. Olin Business School, Washington University in St. Louis.

Niederhoff, J., **Kouvelis, P.** 2016. Supplier Behavior and the Effectiveness of Revenue Sharing and Wholesale Contracts: A Behavioral Study. Olin Business School, Washington University in St. Louis.

Bolandifar, E., **Kouvelis, P.** 2016. Quality Signaling through Pricing in Crowdfunding. Olin Business School, Washington University in St. Louis.

Kouvelis, P., Matsuo, H., Xiao, Y. 2016. Long-term Service Agreement for Power Generators with Renewable Energy Penetration. Olin Business School, Washington University in St. Louis.

Ding, W., **Kouvelis, P.,** Wan, G., Zhao, W. 2016. Inventory Financing and Promotional Investments of Capital Constrained Retailers. Olin Business School, Washington University in St. Louis.

Kouvelis, P., Li, J. 2016. Optimal Timing and Rollover Strategy of New Products – Newsvendor Perspective. Olin Business School, Washington University in St. Louis.

RECENTLY INVITED SEMINARS

“To Hedge or Not to Hedge: Contracts, Hedges and Volatile Commodity Prices”

- 9-2016 Invited Speaker, Stern School of Business, New York University (NYU), New York
- 10-2016 Keynote Speaker, Huazhong University of Science and Technology (HUST), Wuhan, China

“Supply Chain Finance”

- 6-2016 Invited Speaker, European Supply Chain Finance Forum, IE Business School, Madrid, Spain
- 10-2015 Keynote Speaker, School of Management, Huazhong University of Science and Technology (HUST), Wuhan, China
- 07-2015 Keynote Speaker, Antai School of Management, Shanghai Jiao Tong University, Shanghai, China

“Managing Random Yield Supply Chains”

- 08-2015 Invited Speaker, Chinese University of Hong Kong, Hong Kong, China

“Effects of Competition in PBM Profitability in Drug Distribution”

- 09-2013 Invited Speaker, Carey School of Business, John Hopkins University
- 10-2013 Invited Speaker, Foster School of Business, University of Washington, Seattle

“Supply Chain Finance: Trade Credit Contracts, Bankruptcy Costs, and Supply chain Coordination”

- 04-2010 Invited Speaker, Darden School of Business, University of Virginia
- 05-2010 Invited Speaker, Anderson School of Management, UCLA

“Global Supply Chain Finance”

- 06-2009 Invited tutorial session at International INFORMS conference at Toronto, CN
- 10-2008 Invited tutorial session at INFORMS conference at Washington D.C.

“Financing the Newsvendor.”

- 05-2009 Invited speaker, London Business School, London, England
- 04-2009 Invited speaker, School of Business, Boston College, Boston
- 08-2008 Invited distinguished speaker. Fifth Mini-conference on Integrated Risk management in Operations and Global Supply Chains. Lee Kong Chuan School of Business, Singapore Management University, Singapore
- 09-2008 Invited speaker, Sauder School of Business, University of British Columbia, Vancouver, Canada
- 10-2008 Invited speaker, Haas School of Business, University of California-Berkeley, CA
- 12-2008 Invited distinguished speaker, McDonough School of Business, Georgetown University, Washington D.C.

“Research Overview on International Operations”

- 10-2007 Plenary speaker, Doctoral Consortium on International Operation Management. Organized by Top Business School Centers for International Business Education and Research (CIBER)
- 09-2006 Invited speaker, Kellogg Workshop on Operations Management, Northwestern University, Evanston

“Operational Hedging Strategies and Competitive Exposure in Exchange Rates”

- 06-2006 Invited speaker, *Integrated Risk Management in Global Supply Chains*. University of Michigan, Ann Arbor
- 08-2006 Invited speaker, *Interfaces of Operations and Finance*. Tepper School of Business, Carnegie Mellon University

“On the Integration of Production and Financial Hedging Decisions in Global Markets.”

- 03–2007 Invited speaker, School of Management, Yale University
- 04–2006 Invited speaker, Merage School of Business, University of California-Irvine
- 09–2005 Krannert School of Management, Purdue University
- Plenary Speaker at Doctoral Consortiums on International Operations Management organized by top business school Centers for International Business Education and Research (CIBER)
- 05–2005 Invited speaker, Lee Kong Chuan, Singapore Management University (SMM)
- 09–2004 Invited speaker, Tepper School of Business, Carnegie Mellon University
- 07–2004 Invited speaker, Eindhoven Technical University, MSOM Conference

“Dynamic Pricing Through Discounts for Optimizing Multi-Class Customer Demand Fulfillment”

- 10–2003 Invited speaker, School of Management, University of Texas—Dallas
- 01–2004 Invited speaker, W.P. Carey School of Business, Arizona State
- 03–2004 Invited speaker, School of Business, University of Washington—Seattle
- 03–2004 Invited speaker, Haas School of Business, University of California—Berkeley
- 03–2004 Invited speaker, Industrial and Operations Engineering Department, University of Michigan—Ann Arbor
- 04–2004 Invited speaker, Carlson School of Management, University of Minnesota
- 05–2004 Invited speaker, Robert H. Smith School of Business, University of Maryland

“Market-Based Supply Chain Co-ordination by Matching Suppliers’ Cost Structures With Buyers’ Order Profiles”

- 02–2004 Invited speaker, Supply Chain Optimization conference, the University of Florida—Gainesville

PRESENTATIONS

Over 120 presentations in INFORMS (previously ORSA/TIMS) and M&SOM conferences on various topics. Tutorial presentations on Global Supply Chain Finance at INFORMS in Washington D.C. (2008) and International INFORMS Conference in Toronto, Canada (2009), on Robust Operational Decision Making at the ORSA/TIMS meeting in Chicago (1993) and at the INFORMS meeting in San Diego (1997).

Invited presentations at seminars in top business schools such as the University of Chicago, London Business School, University of California—Berkeley; Yale, UCLA, Carnegie Mellon, New York University, Columbia, Wharton, Cornell, University of Michigan—Ann Arbor, University of British Columbia, University of North Carolina at Chapel Hill, Purdue, University of Rochester, University of Washington at Seattle, University of Maryland, Case Western Reserve, University of California at Irvine, University of Cincinnati, University of Kentucky, University of Illinois at Urbana, University of Florida, and selected industrial engineering programs such as Georgia Tech, Penn State, University of Florida, University of Michigan at Ann Arbor, and Rutgers.

Presented invited talks at The Thought Leaders Roundtable on Supply Chain Management at Stanford, Harvard, and INSEAD, The Multi-echelon Inventory Conference at the University of California—Berkeley, and the Operations Management Summer Camps at MIT and Stanford, the workshops on Project Planning and Scheduling and on heuristic Search at University of Florida, and the Mathematical organizational Theory Workshop in Orlando (April, 1992).

Organized and presented in a workshop on “Teaching International Operations Management” at the INFORMS meeting in New Orleans (1995), and Washington, D.C., (1996).

PROFESSIONAL ACTIVITIES

- 2015-Present Member, INFORMS Publication Committee
- 2013-14 Inaugural Chair, M&SOM IFORM SIG Best Paper Award Committee
- 2011-12 Chair, POMS Skinner Best Paper Awards Committee
- 2009-10 President, IFORM SIG of M&SOM

- 2008–09 Chair and member, POMS Skinner Early Career Award
- 2008–09 Member, INFORMS, Lanchester Prize Committee
- 2009 Member, INFORMS, JFIG Paper Award Competition
- 2002–2004 President-elect and President, Manufacturing and Service Operations Management Society (MSOM)
- 1993 Chair, POMS Dissertation Award Competition
- 1990 Member, POMS Dissertation Award Competition
- Referee, *Operations Research*, *Management Science*, *Naval Research Logistics*, *European Journal of Operational Research*, *IIE Transactions*, *Journal of Operations Management*, *Journal of Production and Operations Management*, *IJFMS*, *JIM*, *OPSEARCH*, *Interfaces*
- 1995 (Fall), & 1997 (Spring) Cluster organizer for invited paper sessions in *Global Operations Management* for the INFORMS Conference at New Orleans (Fall, 1995), and San Diego (Spring, 1997)
- Chair, Invited Paper Sessions at various ORSA/TIMS conferences on *Strategic Issues in International Operations Management*, *Combinatorial Optimization Applications in Operations Management*, *Layout Design*, *Scheduling in Manufacturing Systems*, *Integer Programming applications*, *Robust Production Decisions*
- 1995, 1996 Workshop presentations on *Teaching International Operations Management* at INFORMS conferences, New Orleans (1995), and Washington, D.C. (1996)
- 1993, 1997 Tutorial presentation on *Robust Operational Decision Making* at TIMS/ORSA, Chicago (1993), and San Diego (1997)

PROFESSIONAL SOCIETIES

- Institute for Operations Research and the Management Sciences (INFORMS), MSOM Division
- Institute of Industrial Engineers (IIE)
- Decision Sciences Institute (DSI)
- Production and Operations Management Society (POMS)

ADMINISTRATIVE SERVICE

Olin Business School

- Sr. Associate Dean & Director of Executive Programs (2009-2013)
- Area Chair, Operations & Manufacturing Management area (2005-2009)
- Elected Chair, Tenured Faculty (2004–2006)
- Chair, Disciplinary Action Committee
- Member, Ph.D. Committee
- Member, EMBA Curriculum Committee
- Member, Non-Degree Executive Programs Committee
- Member, MBA Curriculum Committee
- Member, Omnibus Committee
- Member, Doctoral Admissions Committee

Duke University

- Member, Advisory Committee of the Center for International Studies (University-Wide Committee) (1994–1995)
- Chair and Member, International Business Committee, Fuqua School of Business (1992–1996)

- Member, Curriculum Committee, Fuqua School of Business (1993–1994)
- Coordinator, Operations Management Invited Seminar Series 91992–1993), Fuqua School of Business
- Member, Operations Management Doctoral Committee, Fuqua School of Business

University of Texas, Austin

- Member, Doctoral Admissions Committee, Management Department
 - Member, Graduate Studies Committee in Manufacturing Engineering
 - Member, Peer Review and Promotion Review Committees, Management Department, UT, Austin, Fuqua School of Business, Duke University and Olin Business School, Washington University in St. Louis
-