

## **Panagiotis (Panos) Kouvelis**

*Emerson Distinguished Professor of Supply Chain, Operations, and Technology*  
*Director of The Boeing Center for Supply Chain Innovation*

**Washington University in St. Louis | Olin Business School**  
1 Brookings Drive • Campus Box 1156 • 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, 13<sup>th</sup> 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

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

## TEACHING EXPERIENCE

<i>July, 1996–Present</i>	<b>Olin Business School   Washington University in St. Louis</b>
	<b>Courses taught:</b>
<i>OMM 5700</i>	<i>Operations Management (MBA, core)</i>
<i>OMM 558</i>	<i>Advanced Operations Strategy (MBA, elective)</i>
<i>MGT 558</i>	<i>Managing the Innovation Process</i>
<i>OMM 531</i>	<i>Supply Chain Finance</i>
<i>OMM 530</i>	<i>Supply Chain Analytics Capstone</i>
<i>OMM 500C</i>	<i>Managing Global Business Process Outsourcing</i>
<i>OMM 500E</i>	<i>Supply Chain Risk Management</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 653</i>	<i>Stochastic Models for Production and Service Systems (doctoral course)</i>
<i>OMM 654</i>	<i>Inventory &amp; Supply Chain Management Theory and Research (doctoral course)</i>
<i>OMM 656</i>	<i>Managing Flexibility and Risk in Global Supply Chains (doctoral course)</i>
<i>OMM 660</i>	<i>Analytical Models in Operations Strategy and Technology Management (doctoral course)</i>

**Executive Education:**

Teaches Operations Management, 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, the joint Fudan-Olin at Shanghai, China, EMBA program, and joint IIT-Washington University EMBA program in Mumbai.

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

<i>OMM 746</i>	<i>Global Supply Chain</i>
<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)

Serves as the Faculty Director and teaches in the 5-day non-degree Supply Chain Certificate (since 2011, and offered it for the first time as online certificate in 2020)

*January, 1992–  
June, 1996*

**Fuqua School of Business  
Duke University**

**Courses taught:**

<i>BA 370</i>	<i>Operations Management (MBA, core)</i>
<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 taught:**

<i>BA 380N</i>	<i>Operations Management (MBA, core)</i>
<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

- Octopus Connect (A) & (B): Forecasting to Improve Service Levels and Inventory Cost
- Biocrystal: Identifying Unused Stock Opportunities to Lower Inventory Levels
- Techtio Science: Leveraging Economic Lot Sizing to Biologics Packaging Site
- Northeastern Syringes: Make-to-Stock Opportunity Identification
- American Electric Company: Consumer Tools Business Product Distribution Analysis
- Lince, Inc.: East/West Stocking and Distribution Optimization
- Midwest Soft Drinks (MSD): Safety Stock Optimization
- Midwest Soft Drinks (MSD): Dedicated Fleet Optimization
- Bayer Crop Science: Product Rollover Strategies, 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

2021-Present	Editor-in-Chief, <i>Foundations and Trends in Technology, Information and Operations Management</i>
2015–2018	Co-editor, Special Issue on Supply Chain Finance, <i>Manufacturing and Service Operations Management (M&amp;SOM)</i>
2003–Present	Department Editor, <i>Production &amp; Operations Management</i>
2007–2020	Associate Editor, <i>Manufacturing and Service Operations Management (M&amp;SOM)</i>
2019–Present	Editorial Board, <i>International Journal of Production Research (IJPR)</i>
2021–Present	Editorial Board, <i>INFORMS Analytics Collections (IAC)</i>
2012–2021	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 on Interdisciplinary Research</i>
2003–2005	Senior Editor, <i>Manufacturing and Service Operations Management (M&amp;SOM)</i>
2001–2005	Department Editor, <i>IIE Transactions on Supply Chains/Production-Inventory Systems</i>
1997–2000	Associate Editor, <i>Management Science on Supply Chain Management</i>
1995–2001	Department Editor, <i>IIE Transactions on Project Selection, Coordination and Management</i>
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 on Production Planning and Control</i>
1991–1993	Associate Editor, <i>IIE Transactions on Facilities Design and Material Handling</i>

## RESEARCH INTERESTS

Global supply chain management, supply chain finance, supply chain risk management, agribusiness supply chains, ESG implications for supply chains, managing commodity risks, integrated risk management, cash hedging, platform business models and supply chains, managing innovation, disruptive innovation strategies, operations strategy, outsourcing and procurement strategies, managing production-inventory systems, lean product development, health care management, project management, project-based supply chains, marketing/manufacturing interfaces, robust operational decision making, facilities location and layout design, lean operations, operational excellence

## HONORS

- 2020 **Published Laudatio in *POM* Honoring Career**  
Honorific recognition of illustrious career in operations and supply chain management appeared in November 2020 *POM* issue
- 2020 **Top 2-3 Operations Management Research Ranking**  
According to a study in the June 2020 issue of *Decision Sciences* focused on the “most-published OM authors from across the world based on total number of papers on which the individual is included as author from across all four [major] journals [of the field: *Management Science*, *MSOM*, *POM*, and *JOM*] over the 15-year period of 2001-2015.”
- #3 - Total number of papers
  - #1 - Publications in *MSOM*
  - #3 - Total number of papers, weighted for co-authorship (*Management Science* publications counted only in the OM department)
  - #2 - Total number of papers, weighted for co-authorship (*Management Science* publications included in all departments, with some OM linkage)
- 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-Present **Member of 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
- 2015 **Top 5 Operations Management Research Ranking**  
Ranked as the 5<sup>th</sup> most productive operations management researcher in the 1985-2010 period based on publications in the eleven top journals of the field  
(Reference: *International Journal of Production Research*, 2015, 53:20, 6161-6197).
- 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 7<sup>th</sup> 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
- 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

**Thomaidis 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

**Served as the dissertation chair for 23 doctoral students**

2019

**Fasheng Xu:** Supply Chain Finance. To graduate in Spring 2019.  
Assistant Professor, Whitman School of Management, Syracuse University

2018

**Xingxing (Bruce) Chen:** Project Supply Chains and Applied Research.  
Assistant Professor, Operations Management, University of Richmond

2018

**Duo Shi:** Value Chain Innovation, Coordination and Responsibility.  
Assistant Professor, Operations Management, Chinese University of Hong Kong

2017

**Seung Hwan Jung:** Operations Issues in Managing Supply Chain Partnership and Sustainability  
Assistant Professor, College of Business Administration, Texas A&M University-Kingsville

2016

**Guang Xiao:** Managing Supply Yield & Commodity Price Risks in Global Supply Chains  
Assistant Professor, Department of Logistics & Maritime Studies, Hong Kong Polytechnic U.

2016

**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, Carson College of Business, Washington State University  
(Previously, 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  
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  
Associate Professor, Whitman School of Management, Syracuse University, New York

- 2006            **Ping Su:** Essays on Supply Chain and Technology Managements Under Global Competition and Stochastically Evolving Markets  
Associate 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** (8 books) **Kouvelis, P.,** Dong, L., Turcic, D. 2020. *Advances in Supply Chain Finance and FinTech Innovations*. Research monograph for book series on Foundations and Trends in Technology, Information and Operations Management, NOW, Boston-Delft.
- Kouvelis, P.,** Dong, L., Turcic, D. 2019. *Emerging Technology and Advances in Supply Chain Finance and Risk Management*. Research monograph for book series on Foundations and Trends in Technology, Information and Operations Management, NOW, Boston-Delft.
- Kouvelis, P.,** Dong, L., Turcic, D. 2018. *Supply Chain Finance*. Research monograph for book series on Foundations and Trends in Technology, Information and Operations Management, NOW, Boston-Delft.
- Kouvelis, P.,** Dong, L., Turcic, D. 2018. *Integrated Risk Management in Supply Chains*. Research monograph for book series on Foundations and Trends in Technology, Information and Operations Management, NOW, Boston-Delft.
- 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.
- 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
-

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

**Total Refereed Journal Publications: 132**

Guo, X., **Kouvelis, P.**, Turcic, D. 2022. Pricing, Quality, and Stocking Decisions in a Manufacturer-Centric Dual-Channel. *Manuf Serv Oper Manage* (forthcoming).

**Kouvelis, P.**, Jung, S.H. 2021. On Co-opetitive Supply Partnerships with End-Product Rivals: Information Asymmetry, Dual Sourcing and Supply Market Efficiency. *Manuf Serv Oper Manage* (published online, <https://doi.org/10.1287/msom.2021.0982>).

**Kouvelis, P.**, Xu, F. 2021. A Supply Chain Theory of Factoring and Reverse Factoring. *Management Science* **67**(10): 6071-6088.

**Kouvelis, P.**, Xiao, G., Yang, N. 2021. Role of Risk Aversion in Price Postponement under Supply Random Yield. *Management Science* **67**(8): 4826-4844.

Cohen, M.A., **Kouvelis, P.** 2021. Revisit of AAA Excellence of Global Value Chains: Robustness, Resilience and Realignment. *Prod Oper Manage* **30**(3): 633-643.

**Kouvelis, P.**, Turcic D. 2021. Supporting Operations with Financial Hedging in an Automotive Industry. *Prod Oper Manage* **30**(3): 738-749.

**Kouvelis, P.**, Shi, D. 2020. Who Should Compensate the Sales Agent in a Distribution Channel? *Prod Oper Manage* **29**(11): 2437-2460.

Dong, L., **Kouvelis, P.** 2020. Impact of Tariffs on Global Supply Chain Network Configuration: Models, Predictions, and Future Research. *Manuf Serv Oper Manage* **22**(1): 25-35.

**Kouvelis, P.**, Li, R. 2020. Integrated Risk Management for Newsvendors with VaR Constraints. *Manuf Serv Oper Manage* **21**(4): 816-832.

**Kouvelis, P.**, Wu, X., Xiao, Y. 2019. Cash Hedging in a Supply Chain. *Management Science* **65**(8): 3928-3947.

**Kouvelis, P.**, Zhao, W. 2018. Who Should Finance the Supply Chain: Impact of Credit Ratings on Supply Chain Decisions. *Manuf Serv Oper Manage* **20**(1): 19-35.

**Kouvelis, P.**, Turcic, D., Zhao, W. 2018. Supply Chain Contracting in Environments with Volatile Prices and Frictions. *Manuf Serv Oper Manage* **20**(1): 130-146.

Babich, V., **Kouvelis, P.** 2018. Introduction to the Special Issue on Research at the Interface of Finance, Operations, and Risk Management (iFORM): Recent Contributions and Future Directions. *Manuf Serv Oper Manage* **20**(1): 1-18.

Cohen, M.A., Cui, S., Ernst, R., Huchzermeier, A., **Kouvelis, P.**, Lee, H.L., Matsuo, H., Steuber, M., Tsay, A. 2018. OM Forum – Benchmarking Global Production Sourcing Decisions: Where and Why Firms Offshore and Reshore. *Manuf Serv Oper Manage* **20**(3): 389-402.

**Kouvelis, P.**, Xiao, Y., Yang, N. 2017. Drug Pricing for Pharmaceutical Manufacturers Distributing Through a Common PBM. *Prod Oper Manage* **27**(8): 1399-1419.

**Kouvelis, P.**, Xiao, G., Yang, N. 2017. On the Properties of Yield Distributions in Random Yield Problems. *Prod Oper Manage* **27**(7): 1291-1302

- Kouvelis, P., Pang, Z., Ding, Q.** 2017. Integrated Commodity Inventory Management and Financial Hedging: A Dynamic Mean-Variance Analysis. *Prod Oper Manage* **27**(6): 1052-1073.
- Kouvelis, P., Milner, J., Tian, Z.** 2017. Clinical Trials for New Drug Development : Optimal Investment and Application. *Manuf Serv Oper Manage* **19**(3): 437-452.
- Dong, L., **Kouvelis, P., Tian, Z.** 2017. Responsive Pricing Newsvendor Networks. *Prod Oper Manage* **26**(8): 1534-1552.
- 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.
- 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.
-

**HIGH-QUALITY  
JOURNALS**  
(39 publications)

Niederhoff, J., **Kouvelis, P.** 2019. Effective and Necessary: Individual Supplier Behavior in Revenue Sharing and Wholesale Contracts. *Eur J Oper Res* **277**(3): 1060-1071.

Tian, Z., Tang, S.Y., **Kouvelis, P.** 2019. Soft Order Commitment in Supply Chains: Role of Penalties and Rationing Rules. *Decision Sciences*, **50**(2), 340-373.

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.

Olin-Morgan, L., Daniels, R.L., **Kouvelis, P.** 2001. Marketing/Manufacturing Tradeoffs in Product Line Management: Insights from a Mathematical Programming Model. *IIE Trans* **33**(11):949–962.

Karabati, S., **Kouvelis, P.** 2000. A Min-sum-max Resource Allocation Problem and Its Application. *IIE Trans* **32**(3); 263–271.

**Kouvelis, P.**, Daniels, R.L., Vairaktarakis, G. 2000. Robust Scheduling for a Two Machine Flowshop with Uncertain Processing Times. *IIE Trans* **32**(5)421–432.

**Kouvelis, P.**, Karabati, S. 1999 Cyclic Scheduling in Synchronous Production Lines. *IIE Trans* **31**(8):709–719.

- Kouvelis, P.**, Mukhopadhyay, S.K. 1999. Modeling the Design Quality Competition for Durable Products. *IIE Trans* **31**(9):865–880.
- Vairaktarakis, G., **Kouvelis, P.** 1999. Incorporating Dynamic Aspects and Uncertainty in 1-median Location Problems. *Nav Res Log* **46**(2):147–168.
- Ahmadi, R.H., **Kouvelis, P.** 1999. Design of Electronic Assembly Lines: an Analytical Framework and Its Application. *Eur J Oper Res* **115**:113–137.
- Kouvelis, P.**, Vairaktarakis, G. 1998. Flowshops with Processing Flexibility Across Production Stages. *IIE Trans* **30**(8):735–746.
- Karabati, S., **Kouvelis, P.** 1997. Flowline Scheduling Problem with Controllable Processing Times. *IIE Trans* **29**:1–14.
- Karabati, S., **Kouvelis, P.** 1996. Cyclic Scheduling in Flow Lines: Modeling Observations, Effective Heuristics and a Cycle Time Minimization Procedure. *Nav Res Log* **43**(2):211–231.
- Gutierrez, G.J., **Kouvelis, P.**, Kurawarwala, A. 1996. A Robustness Approach to uncapacitated Network Design Problems. *Eur J Oper Res* **94**:362–376.
- Yu, G., **Kouvelis, P.**, Luo, S. 1995. Weighted Vertex Packing Problem for Specially Structured Geometric Graphs. *Nav Res Log* **42**:81–102.
- Kouvelis, P.**, Lee, H.L. 1995. The Optimal System Configuration of a Flexible Manufacturing System. *IIE Trans* **27**:1–8.
- Kouvelis, P.**, Mukhopadhyay, S.K. 1995. The Effects of Learning on the Firm's Optimal Design Quality Path. *Eur J Oper Res* **84**:235–249.
- Kouvelis, P.**, Chiang, W.C., Yu, G. 1995. Optimal Algorithms for Row Layout Problems in Automated Manufacturing Systems. *IIE Trans* **27**:99–104.
- Ahmadi, R., **Kouvelis, P.** 1995. Design of a Reliable Functional Testing Procedure of Printed Circuit Boards. *IIE Trans* **27**:81–89.
- Kouvelis, P.**, Mukhopadhyay, S.K. 1995. Competing on Design Quality: a Strategic Planning Approach for Product Quality with the Use of a Control Theoretic Model. *J Oper Manag* **12**:369–385.
- Karabati, S., **Kouvelis, P.** 1993. The Permutation Flow Shop Problem with Sum of Completion Times Performance Criterion. *Nav Res Log* **40**:843–862.
- Kouvelis, P.**, Kurawarwala, A., Gutierrez, G.J. 1992. Algorithms for Robust Single and Multiple Period Layout Planning for Manufacturing Systems. *Eur J Oper Res* **63**(2):287–303.
- Kouvelis, P.**, Chiang, W.-C., Fitzsimmons, J.A. 1992. Simulated Annealing Procedures for Machine Layout Problems in the Presence of Zoning Constraints. *Eur J Oper Res* **57**(2):203–223.
- Kouvelis, P.**, Carlson, R.C. 1992. Total Unimodularity Applications in Bi-objective Discrete Optimization. *Oper Res Letters* **11**(1):61–65.
-

Fitzsimmons, J.A., **Kouvelis, P.**, Mallick, D.N. 1992. Design Strategy and Its Interface with Manufacturing and Marketing Strategies: a Conceptual Framework. *J Oper Manag* **10**(3):398–415.

**Kouvelis, P.** 1991. An Optimal Tool Selection Procedure for the Initial Design Phase of a Flexible Manufacturing System. *Eur J Oper Res* **55**(2):201–210.

**Kouvelis, P.**, Kiran, A.S. 1991. Single and Multiple Period Layout Models for Automated Manufacturing Systems. *Eur J Oper Res* **52**(3):300–314.

**SPECIALTY  
JOURNALS**  
(27 publications)

**Kouvelis, P.**, Qiu, Y. 2022. Financing Inventories with an Investment Efficiency Objective: ROI-Maximising Newsvendor, Bank Loans and Trade Credit Contracts. *International Journal of Production Research* (published online, DOI:10.1080/00207543.2021.1987555).

**Kouvelis, P.** 2022. Paradoxes & Mysteries in Virus-infected Supply Chains. *Business Horizons* (published online, <https://doi.org/10.1016/j.bushor.2021.06.003>).

Cohen, M.A., Cui, S., Doetsch, S., Ernst, R., Huchzermeyer, A., **Kouvelis, P.**, Lee, H., Matsuo, H., Tsay, A.A. 2022. Putting Supply Chain Resilience Theory into Practice. *Management and Business Review* (forthcoming).

Chen, X., **Kouvelis, P.**, Biazaran, M. 2018. Value of Operational Flexibility in Co-Production Systems with Yield and Demand Uncertainty. *Int J Prod Res* **56**(1-2): 491-507.

Dong, L., **Kouvelis, P.**, Su, P. 2014. Operational Hedging Strategies and Competitive Exposure to Exchange Rates. *Int. J. Prod Econ* **153**(July): 215-229.

**Kouvelis, P.**, Li, J. 2013. Day-Definite Full Container Load Service for Time-Sensitive Shippers: on the Perspective of Total Distribution Cost. *Int J Info Sys & Supply Chain Management* **6**(3):1-39.

Axaroglou, K., **Kouvelis, P.** 2007. Hysteresis in Adjusting the Ownership Structure of Foreign Subsidiaries. *International Business Review* **16**:494-506.

**Kouvelis, P.**, Sayin, S. 2006. Algorithm Robust for the Bicriteria Discrete Optimization Problems: Heuristic Variations and Computational Evidence. *Ann Oper Res* **147**:71–85.

Johnson, S., **Kouvelis, P.**, Sinha, V. 1997. On Reform Intensity under Uncertainty. *J Comp Econ* **25**(3):297–321.

Daniels, R., **Kouvelis, P.**, Olin-Morgan, L. 1996. Using Profit Maximizing Scheduling Models to Structure Operational Tradeoffs and Manufacturing Strategy Issues. *J Global Optim* **9**:255–277.

Chiang, W.-C., **Kouvelis, P.** 1996. An Improved Tabu Search Heuristic for Solving Facility Layout Design Problem. *Int J Prod Res* **34**(9):2565–2585.

**Kouvelis, P.**, Chiang, W-C. 1996. Optimal and Heuristic Procedures for Row Layout Problems in Automated Manufacturing Systems. *J Oper Res* **47**:803–816.

Karabati, S., **Kouvelis, P.** 1996. Optimization Applications in Scheduling Theory: Introduction and an Overview. *J Global Optim* **9**:223–226.

Gutierrez, G.J., **Kouvelis, P.** 1995. A Robustness Approach to International Sourcing. *Ann Oper Res* **59**:165–193.

**Kouvelis, P.**, Papanicolaou, V. 1995. Expected Travel Time and Optimal Boundary Formulas for a Two-class Based Automatic Storage/Retrieval System. *Int J Prod Res* **33**(10):2889–2905.

Chiang, W.-C., **Kouvelis, P.** 1994. Simulated Annealing and Tabu Search Approaches to Unidirectional Flowpath Design for Automated Guided Vehicle Systems. *Ann Oper Res* **50**:115–142.

Karabati, S., **Kouvelis, P.** 1994. The Interface of Buffer Design and Cyclic Scheduling Decisions in Deterministic Flow Lines. *Ann Oper Res* **50**:295–317.

**Kouvelis, P.**, Yu, G., Luo, S. 1994. Vertex Packing Problem Application to the Design of Electronic Testing Fixtures. *Ann Oper Res* **50**:319–337.

Karabati, S., **Kouvelis, P.**, Kiran, A.S. 1992. Games, Critical Paths and Assignment Problems in Permutation Flowshops and Cyclic Scheduling Environments. *J Oper Res* **43**(3):241–258.

**Kouvelis, P.**, Kiran, A.S., Chiang, W.-C. 1992. A Survey of Layout Issues in Flexible Manufacturing Systems. *OMEGA: Int J Manage Sci* **20**(3):375–390.

**Kouvelis, P.**, Gutierrez, G.J., Chiang, W.-C. 1992. Heuristic Unidirectional Flowpath Design Approaches for Automated Guided Vehicle Systems. *Int J Prod Res* **30**(6):1327–1351.

**Kouvelis, P.** 1992. Design and Planning Problems in Flexible Manufacturing Systems: a Critical Review. *J Intelligent Manuf* **3**:75–99.

**Kouvelis, P.**, Chiang, W.-C. 1992. A Simulated Annealing Procedure for Single Row Layout Problems in Automated Manufacturing System. *Int J Prod Res* **30**(4):717–732.

**Kouvelis, P.**, Tirupati, D.T. 1991. Approximate Performance Modeling and Decision Making for Manufacturing Systems: a Queuing Network Optimization Framework. *J Intelligent Manuf* **2**:107–134.

**Kouvelis, P.**, Westcott, B.J. 1990. Organization and Production Tradeoffs in an Automated Job Shop. *Int J Manag* **7**(4):372–381.

**Kouvelis, P.**, Lee, H.L. 1990. Material Handling System Design of Integrated Manufacturing Systems: a Graph Theoretic Modeling Framework. *Ann Oper Res* **26**:379–396.

**Kouvelis, P.**, Kiran, A.S. 1990. The Plant Layout Problem in Automated Manufacturing Systems. *Ann Oper Res* **26**:397–412.

---

- BOOK CHAPTERS** (15 chapters) **Kouvelis, P.**, Wu, X., Xiao, Y. 2019. A Framework of Hedging Decisions for Supply Chain Partners. In: Kouvelis, et al. (Eds), Emerging Technology and Advances in Supply Chain Finance and Risk Management NOW, Boston- Delft, 189-200.
- Kouvelis, P.**, Dong, L., Turcic, D. 2019. Introduction to Emerging Technology and Advances in Supply Chain Finance and Risk Management. In: Kouvelis et al. (Eds.), Emerging Technology and Advances in Supply Chain Finance and Risk Management. NOW, Boston-Delft.
- Kouvelis, P.**, Dong, L., Turcic, D. 2018. Introduction to Supply Chain Finance. In: Kouvelis et al. (Eds.), Supply Chain Finance. NOW, Boston-Delft.
- Kouvelis, P.**, Dong, L., Turcic, D. 2018. Introduction to Integrated Risk Management in Supply Chains. In: Kouvelis et al. (Eds.), Supply Chain Finance. NOW, Boston-Delft.
- Kouvelis, P.**, Lus, B. 2013. Managing Innovation Processes and New Product Development Projects: Operations and Marketing Research Perspectives. In: A. Thakor (Ed.), Innovation and Growth: What Do We Know? World Scientific Publishing Co., Singapore Chapter 3, pp. 57-86.
- Kouvelis, P.**, Zhao, W. 2012. Supply Chain Finance. In: Kouvelis, Boyabatli, Dong, Li (eds.) Handbook of Integrated Risk Management in Global Supply Chains. Wiley, New York Chapter 10, pp. 249-288.
- Kouvelis, P.**, Li, R., Ding, Q. 2012. Managing Storable Commodity Risk: Role of Inventories and Financial Hedges. In: Kouvelis, Boyabatli, Dong, Li (eds.) Handbook of Integrated Risk Management in Global Supply Chains. Wiley, New York Chapter 6, pp. 127-156.
- 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.
- Kouvelis, P.**, Niederhoff, J. 2006. On the Globalization of Operations and Supply Chain Strategies: a Conceptual Framework and Its Application. In Lee, H.L., Lee, C-Y (eds.) Building Supply Chain Excellence in Emerging Economies, Springer, New York, NY, Chapter 4, pp. 1-34.
- Kouvelis, P.**, Munson, C. 2004. Using a Structural Equations Modeling Approach to Design and Monitor Strategic International Facility Networks. In: Simchi-Levi/Wu/Shen (eds.). Handbook of Quantitative Supply Chain Analysis: Modeling in the eBusiness Era. Dordrecht, The Netherlands, Kluwer. pp 681-709.
- Kouvelis, P.**, Rosenblatt, M. 2002. A Mathematical Programming Model for Global Supply Chain Management: Conceptual Approach and Managerial Insights. In: Geunes/Pardalos/Romeijn (eds.). Supply Chain Management: Models, Applications, and Research Direction. Dordrecht, The Netherlands, Kluwer. pp. 245-278.
- Kouvelis, P.** 1998. Global Sourcing Strategies under Exchange Rate Uncertainty. In: Quantitative Models in Supply Chain Management. Tayur, S., Magazine M., Ganeshan R. (eds.). Dordrecht, The Netherlands, Kluwer. pp. 625:667.
- Gutierrez, G.J., **Kouvelis, P.** 1998. Optimal Design and Analysis of Flowpaths for Automated Guided Vehicle Systems. In: Yu G. (ed.). Industrial Applications of Combinatorial Optimization. Dordrecht, The Netherlands, Kluwer.
-

Yu, G., **Kouvelis, P.** 1995. Min-max Optimization of Discrete Optimization Problems. In: Du D.Z., Pardalos P. (eds.). Mimimax and Applications. Dordrecht, The Netherlands, Kluwer. pp. 157–171.

Yu, G., **Kouvelis, P.** 1993. Complexity Results for a Class of Min-max Problems with Robust Optimization Applications. In. Pardalos, P.M. (ed.) Complexity in Numerical Optimization. Hackensack, NJ, World Scientific, pp. 501–511.

**PAPERS  
SUBMITTED FOR  
PUBLICATION**

Chen, X., Feldman, J., Jung, S.H., **Kouvelis, P.** 2022. The Anheuser-Busch InBev Trailer Problem: An Application of Online Resource Allocation and Inventory Selection. Olin Business School, Washington University in St. Louis (minor revision, *Prod Oper Manage*).

Turcic, D., Markou, P., **Kouvelis, P.**, Corsten, D. 2022. Information Asymmetry, Rents, and Cost Risk Allocation: An Investigation of the BMW Supply Chain. Olin Business School, Washington University in St. Louis (second review, *Management Science*).

Jiang, P., **Kouvelis, P.** 2022. Cash Hedging Motivates Information Sharing in Supply Chains. Olin Business School, Washington University in St. Louis (first review, *Operations Research*).

Feldman, J., **Kouvelis, P.**, Qiu, Y. 2022. Prophet Inequalities for Maritime Container Shipping: A New Class of Revenue Management Problems with Overbooking and No Shows. Olin Business School, Washington University in St. Louis (first review, *Management Science*).

**Kouvelis, P.**, Liu, Y., Qiu, Y., Turcic, D. 2022. Managing Operations of a Hog Farm Facing Volatile Markets: Inventory and Selling Strategies. Olin Business School, Washington University in St. Louis (second review, *Manuf Serv Oper Manage*).

Li, J., **Kouvelis, P.**, Dada, M. 2022. Agricultural Networks in Emerging Markets: Planting, Pricing and Processing Policies. Olin Business School, Washington University in St. Louis (first review, *Manuf Serv Oper Manage*).

**Kouvelis, P.**, Matsuo, H., Xiao, Y., Yuan, Q. 2022. Long-term Service Agreement in Electricity Supply Chain with Renewable Energy Penetration. Olin Business School, Washington University in St. Louis (second review, *Prod Oper Manage*).

**Kouvelis, P.**, Xiao, G. 2022. Study of Hybrid (Push-Pull) Wholesale Price Contracts for Random Yield Supply Chains. Olin Business School, Washington University in St. Louis (second review, *Manuf Serv Oper Manage*).

Bolandifar, E., Chen, Z., **Kouvelis, P.**, Zhou, W. 2022. Quality Signaling through Crowdfunding Pricing. Olin Business School, Washington University in St. Louis (second review, *Manuf Serv Oper Manage*).

Hu, J., **Kouvelis, P.**, Xiao, G. 2022. Horizontal Outsourcing and Price Competition: The Role of Sole Sourcing Commitment. Olin Business School, Washington University in St. Louis (second review, *Prod Oper Manage*).

Cohen, M.A., Cui, S., Ernst, R. Huchzermeier, A., **Kouvelis, P.**, Lee, H.L., Steuber, M., Tsay, A. 2022. Bespoke Supply Chain Resilience: The Gap between Theory and Practice. Olin Business School, Washington University in St. Louis (second review, *J Oper Manage*).

**WORKING  
PAPERS**

**Kouvelis, P.**, Rashkova, I. 2022. The Rise and Fall of Drug Shortages: A Portfolio Management Analysis. Olin Business School, Washington University in St. Louis.

**Kouvelis, P.**, Chen, X., Xia, A. 2022. Managing Material Shortages in Project Supply Chains: Inventories, Time Buffers and Supplier Flexibility. Olin Business School, Washington University in St. Louis.

**Kouvelis, P.**, Feldman, J., Qiu, Y., Xu, F. 2022. The Tokenvender Problem: Tokenizing Cargo Reservations under Overbooking and No-Shows. Olin Business School, Washington University in St. Louis.

Tian, Z., **Kouvelis, P.** 2022. Partial Flexibility and Capacity Commitment: Investment Strategies in Newsvendor Networks. Olin Business School, Washington University in St. Louis.

**Kouvelis, P.**, Li, R. Papanicolaou, V. 2022. Optimal Capacity Setup Stopping Time and Sales Effort Control in a Continuous Time Model. Olin Business School, Washington University in St. Louis.

Daniels, K., Guo, Q., **Kouvelis, P.** 2022. Service Segmentation for On-Demand Platforms. Olin Business School, Washington University in St. Louis.

**Kouvelis, P.**, Tang, Y., Xiao, T. 2022. Tariffs and Reshoring Implications. Olin Business School, Washington University in St. Louis.

---

## RECENTLY INVITED SEMINARS

*“Information Asymmetry, Rents, and Cost Risk Allocation: An Investigation of the BMW Supply Chain”*  
6-2019 Invited Speaker, Shanghai University of Finance and Economics (SHUFE)

*“To Hedge or Not to Hedge: Contracts, Hedges and Volatile Commodity Prices”*  
10-2017 Invited Speaker, McDonough School of Business, Georgetown University  
9-2017 Invited Speaker, McCombs School of Business, University of Texas at Austin  
9-2017 Invited Speaker, Walton Klein OM Seminar, Carroll School of Management, Boston College  
6-2017 Keynote Speaker, Workshop on Data-driven Research in Operations Innovation, School of Management, Fudan University  
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 China 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 130 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

2021	Member, INFORMS JFIG (Junior Faculty Interest Group) Awards Committee
2015-19	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
2002-04	President-elect and President, Manufacturing and Service Operations Management Society (MSOM)
1993	Chair, POMS Dissertation Award Competition
1990	Member, POMS Dissertation Award Competition
	Referee, <i>Operations Research</i> , <i>Management Science</i> , <i>Naval Research Logistics</i> , <i>European Journal of Operational Research</i> , <i>IIE Transactions</i> , <i>Journal of Operations Management</i> , <i>Journal of Production and Operations Management</i> , <i>IJFMS</i> , <i>JIM</i> , <i>OPSEARCH</i> , <i>Interfaces</i>
1995 (Fall), & 1997 (Spring)	Cluster organizer for invited paper sessions in <i>Global Operations Management</i> for the INFORMS Conference at New Orleans (Fall, 1995), and San Diego (Spring, 1997)
	Chair, Invited Paper Sessions at various ORSA/TIMS conferences on <i>Strategic Issues in International Operations Management</i> , <i>Combinatorial Optimization Applications in Operations Management</i> , <i>Layout Design</i> , <i>Scheduling in Manufacturing Systems</i> , <i>Integer Programming applications</i> , <i>Robust Production Decisions</i>
1995, 1996	Workshop presentations on <i>Teaching International Operations Management</i> at INFORMS conferences, New Orleans (1995), and Washington, D.C. (1996)
1993, 1997	Tutorial presentation on <i>Robust Operational Decision Making</i> 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**

- Co-Chair, Graduate & Professional Education Working Group, Washington University Strategic Planning Process (2020-30) (2021)
- Member, Honorary Degree Task Force, Washington University in St. Louis (2021)
- 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 (1992–1993), 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
-