

MENGSHI LU

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY	Berkeley, California
<i>Ph.D. Industrial Engineering and Operations Research</i>	2014
<i>M.A. Statistics</i>	2012
TSINGHUA UNIVERSITY	Beijing, China
<i>M.Eng. Management Science and Engineering</i>	2009
<i>B. Eng. Industrial Engineering</i>	2007

ACADEMIC POSITIONS

PURDUE UNIVERSITY	West Lafayette, Indiana
<i>Associate Professor of Management</i>	2022–present
<i>Assistant Professor of Management</i>	2014–2022

PUBLISHED AND FORTHCOMING ARTICLES

- [1] Chengfan Hou, Mengshi Lu, 2024. Allocating inventory risk in retail supply chains: Risk-aversion, information asymmetry, and outside opportunity. *Manufacturing & Service Operations Management* 26(4), 1508–1525.
- [2] Chengzhang Li, Mengshi Lu, 2023. Joint price and inventory management under minimax regret. *Production and Operations Management* 32(8), 2529–2545.
- [3] Qi Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar, 2022. Dynamic substitution for selling multiple products under supply and demand uncertainties. *Production and Operations Management* 31(4), 1645–1662.
- [4] Qi Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar, 2022. Implementing environmental and social responsibility programs in supply networks through multi-unit bilateral negotiations. *Management Science* 68(4), 2377–3174 (Honorable Mention, *POMS College of Sustainable Operations Student Paper Competition*, awarded to Chengzhang Li).
- [5] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen, 2021. Coordinating project outsourcing through bilateral contract negotiations. *Manufacturing & Service Operations Management* 23(6), 1333–1682.
- [6] Yong Liang, Mengshi Lu, Zuo-Jun Max Shen, Runyu Tang, 2021. Data center network design for Internet-related services and cloud computing. *Production and Operations Management* 30(7), 2077–2101.
- [7] Mengshi Lu, Zuo-Jun Max Shen, 2020. A review of robust operations management with model uncertainty. *Production and Operations Management* 30(6), 1927–1943.
- [8] Yiling Zhang, Mengshi Lu, Siqian Shen, 2020. On the values of vehicle-to-grid electricity selling in electric vehicle sharing. *Manufacturing & Service Operations Management* 23(2), 488–507

- [9] Mengshi Lu, Hideaki Nakao, Siqian Shen, Lin Zhao, 2020. Nonprofit resource allocation with cross-subsidization under uncertain resource consumption. *Omega* 99, 102191.
- [10] Mengshi Lu, Zhihao Chen, Siqian Shen, 2018. Optimizing the profitability and quality of service in carshare systems under demand uncertainty. *Manufacturing & Service Operations Management* 20(2), 162–180 (Featured Article).
- [11] Mengshi Lu, Lun Ran, Zuo-Jun Max Shen, 2015. Reliable facility location design under uncertain correlated disruptions. *Manufacturing & Service Operations Management* 17(4), 445–455.
- [12] Mengshi Lu, J. George Shanthikumar, Zuo-Jun Max Shen, 2015. Technical note – Operational statistics: Properties and the risk-averse case. *Naval Research Logistics* 62(3), 206–214.
- [13] Mengshi Lu, Simin Huang, Zuo-Jun Max Shen, 2011. Product substitution and dual sourcing under random supply failures. *Transportation Research Part B: Methodological* 45(8), 1251–1265.
- [14] Simin Huang, Mengshi Lu, Guohua Wan, 2011. Integrated order selection and production scheduling under MTO strategy. *International Journal of Production Research* 49(13), 4085–4101.

CONFERENCE PROCEEDINGS

- [1] Wei Liu, Mengshi Lu, Pengyi Shi, 2024. Patient Assignment and Prioritization for Multi-Stage Care with Reentrance. *Proceedings of the 2024 Winter Simulation Conference*.

SUBMITTED MANUSCRIPTS

- [1] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen. Penalizing lateness or sharing cost: Project outsourcing via request-for-quote. *Manufacturing & Service Operations Management*, under major revision.
- [2] Lin Zhao, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. Supply chain forecast sharing under asymmetric forecast preferences. *Production and Operations Management*, under revision for resubmission.

TEACHING EXPERIENCE

PURDUE UNIVERSITY	West Lafayette, Indiana
<i>MGMT 660 Introduction to Operations Management</i> (Online MBA/MS core)	2022–2023,2025
<i>MGMT 660 Introduction to Operations Management</i> (MBA/MS core)	2022,2024
<i>MGMT 660 Introduction to Operations Management</i> (MSBAIM elective)	2021
<i>MGMT 562 Project Management</i> (MBA/MS elective)	2017–2022,2024
<i>MGMT 361 Operations Management</i> (undergraduate core)	2015–2017,2019–2020
<i>MGMT 361 Operations Management-Honors</i> (undergraduate honors section)	2018
<i>MGMT 690 Doctoral Topics OM</i> (PhD elective)	2017–2018
<i>MGMT 490 Logistics: Concepts and Models</i> (undergraduate elective)	2014–2015
<i>MGMT/IE 690 Advanced Supply Chain Analytics</i> (MS/PhD elective)	2014
 UNIVERSITY OF CALIFORNIA, BERKELEY	 Berkeley, California
<i>IEOR165 Engineering Statistics</i> (undergraduate core)	2013

RESEARCH SUPERVISION

POSTDOCTORAL SCHOLAR

– Wei Liu (co-supervisor) 2022–2024

DOCTORAL DISSERTATION

– Chengzhang Li (committee co-chair) graduated 2019
– Xuejun Zhao (committee member) graduated 2022
– Jian Wu (committee member) expected 2025

VISITING DOCTORAL STUDENT

– Liwen Cui 2015–2016
– Zihao Jiao 2017–2018
– Lin Zhao 2017–2018
– Chengfan Hou 2018–2020
– Xiaoyu Cao 2024–2025

DEPARTMENT SERVICE

Department Head Selection Advisory Committee 2025–present
Faculty Search Committee Chair 2024–present
Doctoral Student Admission Committee 2022–2023, 2025–present
Virtual Department Seminar Committee 2020–2022
Sustainability Research and Teaching Committee 2019–2020
Undergraduate Program Faculty Oversight Committee 2017–2019

ACADEMIC SERVICE

JOURNAL REFEREE

– Applied Mathematical Modeling
– Asia-Pacific Journal of Operational Research
– Computers & Operations Research
– Decision Sciences
– European Journal of Operational Research
– Frontiers of Engineering Management
– IISE Transactions
– INFOR: Information Systems and Operations Research
– INFORMS Journal on Computing
– International Journal of Production Research
– International Journal of Sustainable Transportation
– International Journal of Systems Science: Operations & Logistics
– Journal of Global Optimization
– Journal of Operational Research Society
– Journal of Systems Science and Systems Engineering
– Management Science
– Managerial and Decision Economics
– Manufacturing & Service Operations Management
– Naval Research Logistics
– Omega: The International Journal of Management Science
– Operations Research

- Operations Research Letters
- Production and Operations Management
- Service Science
- Transportation Research Part B: Methodological
- Transportation Research Part E: Logistics and Transportation Review
- Transportation Science
- Transportmetrica A: Transport Science

SENIOR EDITOR

- Production and Operations Management

REVIEWER/JUDGE

- POMS International Conference Best Student Paper Competition, 2024
- MSOM Service Management SIG Conference, 2019, 2024
- Research Grants Council of Hong Kong, 2018-2024
- POMS Supply Chain College Student Paper Competition, 2016–2018, 2023–2025
- MSOM Sustainable Operations SIG Conference, 2020
- MSOM Student Paper Competition, 2017

CONFERENCE ORGANIZATION

- Session Chair, CSAMSE Annual Conference, Xiamen, China, July 2024
- Session Organizer, POMS Annual Conference, Orlando, FL, May 2023
- Session Chair, POMS Annual Conference, online, May 2021
- Track Co-chair, Supply Chain Risk Management, POMS Annual Conference, May 2019
- Session Co-chair, POMS Annual Conference, Washington, D.C., May 2019
- Session Co-chair, POMS Annual Conference, Houston, TX, May 2018
- Session Chair, CSAMSE Annual Conference, Shenyang, China, July 2015
- Session Chair, INFORMS Annual Meeting, Minneapolis, MN, October 2013

RESEARCH GRANTS AND AWARDS

Blake Family Research Grant on Business Ethics, 2023-2024 (with Pengyi Shi)

Ross-Lynn Postdoctoral Fellow Grant, 2022-2024 (with Pengyi Shi and J. George Shanthikumar)

Blake Family Research Grant on Business Ethics, 2018-2019 (with Gökçe Esenduran, Qi Annabelle Feng, and J. George Shanthikumar)

Principal Investigator, National Science Foundation Award CMMI-1727478, 2018-2020

John and Mary Willis Young Faculty Scholar Award, 2017

Krannert Outstanding and Distinguished Teachers, 2014–2020

Purdue Research Foundation International Travel Grant, 2015

Doug and Maria DeVos Faculty Support Award, 2014

INFORMS Future Academician Colloquium Nominee, 2013

IEOR Department Summer Fellowship, 2013

Berkeley Fellowship for Graduate Study, 2009-2013