

MENGSHI LU

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Krannert School of Management, Purdue University
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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>Assistant Professor of Management</i>	August 2014 – present

PUBLISHED AND FORTHCOMING ARTICLES

- [1] Qi Annabelle Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar, 2021. Dynamic substitution for selling multiple products under supply and demand uncertainties. *Production and Operations Management*. Accepted.
- [2] Qi Annabelle Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar, 2021. Implementing environmental and social responsibility programs in supply networks through multi-unit bilateral negotiations. *Management Science*. Forthcoming (Honorable Mention, *POMS College of Sustainable Operations Student Paper Competition*, awarded to Chengzhang Li).
- [3] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen, 2021. Coordinating project outsourcing through bilateral contract negotiations. *Manufacturing & Service Operations Management*. Forthcoming.
- [4] 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.
- [5] Mengshi Lu, Zuo-Jun Max Shen, 2020. A review of robust operations management with model uncertainty. *Production and Operations Management* 30(6), 1927–1943.
- [6] 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
- [7] Mengshi Lu, Hideaki Nakao, Siqian Shen, Lin Zhao, 2020. Nonprofit resource allocation with cross-subsidization under uncertain resource consumption. *Omega* 99, 102191.
- [8] 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).

- [9] 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.
- [10] 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.
- [11] 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.
- [12] 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.

SUBMITTED MANUSCRIPTS

- [1] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen. Contractor selection in project outsourcing via request-for-quote. *Operations Research*, under second-round review.
- [2] Lin Zhao, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. Supply chain forecast sharing under asymmetric forecast preferences. *Production and Operations Management*, major revision.

WORKING PAPERS

- [1] Chengfan Hou, Mengshi Lu. Allocation of inventory risk in retail supply chains: Risk-aversion, outside opportunity, and information asymmetry. In-preparation for submission.
- [2] Chengzhang Li, Mengshi Lu. Joint price and inventory optimization under minimax regret. In-preparation for submission.
- [3] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen. Robust incentive contract design for project outsourcing.

TEACHING

PURDUE UNIVERSITY	West Lafayette, Indiana
<i>MGMT660 Introduction to Operations Management</i> (MSBAIM elective)	2021
<i>MGMT562 Project Management</i> (MBA/MS elective)	2017–2021
<i>MGMT361 Operations Management</i> (undergraduate core)	2015–2017, 2019–2020
<i>MGMT361H Operations Management-Honors</i> (undergraduate honors section)	2018
<i>MGMT690 Doctoral Topics OM</i> (PhD elective)	2017–2018
<i>MGMT490 Logistics: Concepts and Models</i> (undergraduate elective)	2014–2015
<i>IE/MGMT690 Advanced Supply Chain Analytics</i> (MS/PhD elective)	2014
 UNIVERSITY OF CALIFORNIA, BERKELEY	 Berkeley, California
<i>IEOR165 Engineering Statistics</i> (undergraduate core)	2013

STUDENT SUPERVISION

DOCTORAL STUDENTS

- Chengzhang Li (coadvised with Qi Annabelle Feng and J. George Shanthikumar) graduated 2019
- Xuejun Zhao (committee member) expected graduation 2022

VISITING DOCTORAL STUDENTS

– Liwen Cui	2015 – 2016
– Zihao Jiao	2017 – 2018
– Lin Zhao	2017 – 2018
– Chengfan Hou	2018 – 2020

DEPARTMENT SERVICE

Virtual Department Seminar Committee	2020 to present
Sustainability Research and Teaching Committee	2019 to 2020
Undergraduate Program Faculty Oversight Committee	2017 to 2019

ACADEMIC SERVICE

JOURNAL REFEREE

- Applied Mathematical Modeling
- Asia-Pacific Journal of Operational Research
- Computers & Operations Research
- Decision Sciences
- European Journal of Operational Research
- IISE Transactions
- INFOR: Information Systems and Operations Research
- INFORMS Journal on Computing
- International Journal of Production Research
- Journal of Global Optimization
- Journal of Operational Research Society
- Journal of Systems Science and Systems Engineering
- Management Science
- 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

REVIEWER/JUDGE

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

AD HOC SENIOR EDITOR

- Production and Operations Management

CONFERENCE ORGANIZATION

- 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

HONORS AND AWARDS

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

INDUSTRY EXPERIENCES

GOOGLE INC.
Quantitative Analyst

Mountain View, California
April 2014 – August 2014

HEWLETT-PACKARD LABORATORIES
Visiting Researcher

Palo Alto, California
September 2012 – April 2013

ORACLE CORPORATION
Summer Intern

Redwood Shores, California
May 2012 – August 2012