

# MENGSHI LU

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Krannert School of Management, Purdue University  
403 W State Street, West Lafayette, Indiana 47907

## EDUCATION

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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

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

## PUBLISHED AND ACCEPTED ARTICLES

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- [1] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen, 2020. Coordinating project outsourcing through bilateral contract negotiations. *Manufacturing & Service Operations Management*, Accepted.
- [2] Mengshi Lu, Zuo-Jun Max Shen, 2020. A review of robust operations management with model uncertainty. *Production and Operations Management*, In Press.
- [3] Yiling Zhang, Mengshi Lu, Siqian Shen, 2020. On the values of vehicle-to-grid electricity selling in electric vehicle sharing. *Manufacturing & Service Operations Management*, In Press.
- [4] Mengshi Lu, Hideaki Nakao, Siqian Shen, Lin Zhao, 2020. Nonprofit resource allocation with cross-subsidization under uncertain resource consumption. *Omega: International Journal of Management Science*, In Press
- [5] 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).
- [6] 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.
- [7] 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.
- [8] 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.
- [9] Simin Hunag, 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

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- [1] Chengfan Hou, Mengshi Lu, Tianhu Deng, Zuo-Jun Max Shen. Contractor selection in project outsourcing via request-for-quote. *Operations Research*, under review.
- [2] Qi Annabelle Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar. Implementing environmental and social responsibility programs in supply networks through multi-unit bilateral negotiations. *Management Science*, minor revision (Honorable Mention, *POMS College of Sustainable Operations Student Paper Competition*, awarded to Chengzhang Li).
- [3] Zihao Jiao, Mengshi Lu, Lun Ran, Zuo-Jun Max Shen. Infrastructure Planning of Photovoltaic Charging Stations. *Manufacturing & Service Operations Management*, under review.
- [4] Yong Liang, Mengshi Lu, Zuo-Jun Max Shen, Runyu Tang. Data center network design for Internet-related services and cloud computing. *Production and Operations Management*, under review.
- [5] Lin Zhao, Kemal Guler, Mengshi Lu, Zuo-Jun Max Shen. Learning asymmetric forecast preferences in supply chain forecast sharing. *Production and Operations Management*, major revision.
- [6] Qi Annabelle Feng, Chengzhang Li, Mengshi Lu, J. George Shanthikumar. Dynamic substitution for selling multiple products under supply and demand uncertainties. *Production and Operations Management*, major revision.

## TEACHING

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PURDUE UNIVERSITY	West Lafayette, Indiana
<i>MGMT562 Project Management</i> (MBA elective)	2017–2020
<i>MGMT361 Operations Management</i> (undergraduate core)	2015–2017, 2019, 2020
<i>MGMT361H Operations Management-Honors</i> (undergraduate core, 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 SUPERVISING

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### DOCTORAL STUDENTS

- Chengzhang Li (committee co-chair) graduated August, 2019
- Current Positions: Assistant Professor, Antai College of Economics and Management, Shanghai Jiao Tong University

### VISITING DOCTORAL STUDENTS

- Liwen Cui (Tsinghua University) November 2015 – May 2016
- Zihao Jiao (Beijing Institute of Technology) September 2017 – August 2018
- Lin Zhao (Tsinghua University) September 2017 – August 2018
- Chengfan Hou (Tsinghua University) August 2018 – July 2020

## UNIVERSITY SERVICE

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| Sustainability Research and Teaching Committee,    | August 2019 to present      |
| Undergraduate Program Faculty Oversight Committee, | September 2017 to June 2019 |

## PROFESSIONAL SERVICE

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### 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
- 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

- Track Co-chair, POMS Annual Conference, Washington, D.C., 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

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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, Fall 2014–2019  
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

## OTHER EXPERIENCES

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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