

LONG HE

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EMPLOYMENT	NUS Business School, National University of Singapore Assistant Professor in Analytics & Operations	2015-present
RESEARCH INTERESTS	Smart City Operations, Supply Chain Management, Business Analytics	
EDUCATION	University of California, Berkeley Ph.D., Operations Research	2015
	The Hong Kong University of Science and Technology B.Eng., Logistics Management and Engineering	2010
PUBLICATIONS	<p><i>Peer Reviewed Articles (student/post-doc coauthors *, industry collaborators †)</i></p> <p>Liu, S. *, He, L., & Shen, Z. J. M. (2020). On-Time Last-Mile Delivery: Order Assignment with Travel-Time Predictors. <i>Management Science</i>. Forthcoming.</p> <p>He, L., Ma, G., Qi, W., & Wang, X. (2020). Charging an Electric Vehicle Sharing Fleet. <i>Manufacturing & Service Operations Management</i>. Forthcoming.</p> <p>Xue, M.* & He, L. (2020). Spatial Pricing and Product Allocation in Online Retailing. <i>Naval Research Logistics (NRL)</i>. Forthcoming.</p> <p>Hao, Z.*, He, L., Hu, Z., & Jiang, J. (2020). Robust Vehicle Pre-Allocation with Uncertain Covariates. <i>Production and Operations Management</i>. 29(4), 955-972.</p> <p>He, L., Rong, Y., & Shen, Z. J. M. (2020). Product Sourcing and Distribution Strategies under Supply Disruption and Recall Risks. <i>Production and Operations Management</i>, 29(1), 9-23.</p> <p>He, L., Hu, Z., & Zhang, M.* (2020). Robust Repositioning for Vehicle Sharing. <i>Manufacturing & Service Operations Management</i>. 22(2), 241-256.</p> <p>He, L., Mak, H. Y., Rong, Y., & Shen, Z. J. M. (2017). Service Region Design for Urban Electric Vehicle Sharing Systems. <i>Manufacturing & Service Operations Management</i>, 19(2), 309-327.</p> <ul style="list-style-type: none"> • 2019 M&SOM Journal Best Paper Award, INFORMS • 2019 Transportation Science & Logistics (TSL) Best Paper Award, INFORMS <p>Liang, Y., He, L., Cao, X., & Shen, Z. J. (2013). Stochastic control for smart grid users with flexible demand. <i>IEEE Transactions on Smart Grid</i>, 4(4), 2296-2308.</p>	
WORKING PAPERS	"Taming the Long Tail of Inventory: Gambler's Fallacy in Intermittent Demand Management." (with Sheng Bi* and Chung Piau Teo). <i>Under Review at Management Science</i> .	

"Smart Urban Transport and Logistics: A Business Analytics Perspective." (with Sheng Liu and Max Z. Shen). *Under Revision at Production and Operations Management*.

"Crowd-starting a Shared Service." (with Tu Ni*).

"An Exponential Cone Programming Approach for Electric Vehicle Charging Management." (with Li Chen* and Helen Zhou).

"Robust Location Problems Under Spatial Uncertainty." (with Irfan Soudagar Abdul*).

BOOK
CHAPTERS AND
CONFERENCE
PROCEEDINGS

"Operations Management of Vehicle Sharing Systems." (with Ho-Yin Mak, and Ying Rong.)
Sharing Economy: Making Supply Meet Demand. Springer Series in Supply Chain Management. 2018.

"Low-Rank Tensor Recovery for Geo-Demand Estimation in Online Retailing." (with Zhiwei Qin[†], and Jagtej Bewli[†].)
Proceedings of the 2015 INNS Conference on Big Data.

"A Simulation-based Approach to Inventory Management in Batch Process with Flexible Recipes." (with Simin Huang, and Zuo-Jun Max Shen.)
Proceedings of the 2013 Winter Simulation Conference, 2587-2597.

PATENTS

"System for estimating geographical demand and method therefor." (with Zhiwei Qin[†].)
US Patent App. 14/988,246

TEACHING

Instructor, NUS Business School

DBA5106, Foundation in Business Analytics	2020-present
BDC6114, Logistics and Supply Chains	2017-2019
DBA3803/DSC3216, Predictive Analytics in Business	2017-2019
DSC3214, Introduction to Optimization	2018
DSC3216, Forecasting for Managerial Decisions	2016-2017
BDC6114B, Decision Sciences Proseminar II (PhD)	2016

Instructor, UC Berkeley

IEOR 165, Engineering Statistics, Quality Control and Forecasting	2014
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Graduate Student Instructor, UC Berkeley

IEOR 130, Methods for Manufacturing Improvement	2014
IEOR 151, Service Operations Design and Analysis	2011-2013
IEOR 231, Data Modeling, Statistics, and Systems Simulation	2013
IEOR 253, Supply Chain Operation and Management	2012, 2013

HONORS AND
AWARDS

M&SOM Journal Best Paper Award, INFORMS	2019
Transportation Science & Logistics (TSL) Best Paper Award, INFORMS	2019
Outstanding Teaching Award, UC Berkeley	2014

PROFESSIONAL SERVICE	<p><i>Guest Associate Editor</i> Manufacturing & Service Operations Management</p> <p><i>Ad-hoc Reviewer</i> European Journal of Operational Research, Decision Sciences, Management Science, Manufacturing & Service Operations Management, Mathematics of Operations Research, Naval Research Logistics, Operations Research, Production and Operations Management, Service Science, Transportation Research Part B & E, Transportation Science</p>	
STUDENT SUPERVISION	<p><i>Undergraduate Honor Thesis</i></p> <ul style="list-style-type: none"> • Ang Peng Seng (2020, NUS Outstanding Undergraduate Researcher Prize) <p><i>PhD Students</i></p> <ul style="list-style-type: none"> • Sheng Bi (expected 2021) • Irfan Soudagar (expected 2021) • Quanmeng Wang (expected 2022) • Tu Ni (expected 2023) • Nan Ke (expected 2024) 	
INVITED TALKS	<p>ZJU-NUS International Summer School</p> <p>Beijing Institute of Technology</p> <p>Tongji University</p> <p>Tsinghua University</p> <p>Rutgers University</p> <p>Singapore Management University</p> <p>Nanyang Technological University</p> <p>Zhejiang University</p> <p>The Hong Kong University of Science and Technology</p> <p>National University of Singapore</p> <p>University of Illinois at Urbana-Champaign</p> <p>City University of Hong Kong</p> <p>The Chinese University of Hong Kong</p> <p>Shanghai University of Finance and Economics</p> <p>Shanghai Jiao Tong University</p>	<p>Jul 2020</p> <p>Jun 2020</p> <p>Jun 2020</p> <p>Apr 2020</p> <p>Apr 2019</p> <p>Dec 2016</p> <p>Oct 2016</p> <p>Dec 2015</p> <p>Mar 2015</p> <p>Feb 2015</p> <p>Feb 2015</p> <p>Jan 2015</p> <p>Jan 2015</p> <p>Dec 2014</p> <p>Dec 2014</p>
CONFERENCE PRESENTATIONS	<p>INFORMS Annual Meeting, Seattle, WA</p> <p>MSOM Conference, Singapore</p> <p>POMS Annual Conference, Washington DC</p> <p>INFORMS Annual Meeting, Phoenix, AZ</p> <p>MSOM Conference, Dallas, TX</p> <p>INFORMS International Meeting, Taipei, Taiwan</p> <p>POMS Annual Conference, Houston, TX</p> <p>INFORMS Annual Meeting, Houston, TX</p> <p>MSOM Conference, Chapel Hill, NC</p> <p>POMS Annual Conference, Orlando, FL</p> <p>INFORMS Annual Meeting, Nashville, TN</p> <p>INFORMS International Meeting, Hawaii</p>	<p>Oct 2019</p> <p>Jul 2019</p> <p>May 2019</p> <p>Nov 2018</p> <p>Jul 2018</p> <p>Jun 2018</p> <p>May 2018</p> <p>Oct 2017</p> <p>Jun 2017</p> <p>May 2017</p> <p>Nov 2016</p> <p>Jun 2016</p>

	POMS Annual Conference, Orlando, FL	May 2016
	INFORMS Annual Meeting, Philadelphia, PA	Nov 2015
	INFORMS Annual Meeting, San Francisco, CA	Nov 2014
	MSOM Conference, Seattle, WA	Jun 2014
CORPORATE EXPERIENCE	Data Scientist, Walmart eCommerce, San Bruno, CA	May-Oct 2015
	Data Scientist Intern, Walmart eCommerce, San Bruno, CA	May-Aug 2014
	Operations Research Intern, Norfolk Southern Corporation, Atlanta, GA	May-Aug 2013
	Operations Research Intern, Xerox Research Centre Europe, Meylan, France	May-Aug 2012
MEDIA COVERAGE	电板车送餐员—零工经济的受益者，还是受害者? - zaobao (Chinese)	2019/12/11
	The Big Read: E-scooter footpath ban — lessons from the PMD saga and where to go from here – TODAY	2019/11/16
	A future without lost mail: Stamps with QR codes being studied in postal service overhaul - The Straits Times	2019/07/08
	Getting a better grip on bike sharing - TODAY	2017/06/12