

# MING HU

*Curriculum Vita*

Rotman School of Management  
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## Education

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Columbia University, New York, NY, M.Phil., PhD in Operations Research	2007, 2009
Brown University, Providence, RI, M.S. in Applied Mathematics	2003
Nanjing University, Nanjing, China, B.S. in Mathematics	2001

## Position

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<i>Amazon Scholar</i> , Amazon SCOT	Apr 2022 –
<i>Area Coordinator</i> , Operations Management & Statistics Area	Jul 2022 –
<i>Distinguished Professor of Business Operations and Analytics</i>	Jul 2019 –
Rotman School of Management, University of Toronto, Toronto, ON <i>Professor</i>	Jul 2017 –
Rotman School of Management, University of Toronto, Toronto, ON <i>Associate Professor</i> (with tenure)	Jul 2015 – Jun 2017
Rotman School of Management, University of Toronto, Toronto, ON <i>Assistant Professor</i>	Jul 2009 – Jun 2015
Rotman School of Management, University of Toronto, Toronto, ON <i>Acting Assistant Professor</i>	Jul 2008 – Jun 2009
Editor-in-Chief, <i>Naval Research Logistics</i>	Jan 2018 –
Co-Editor, Special Issue of <i>Manufacturing &amp; Service Operations Management</i> on Sharing Economy and Innovative Marketplaces	2017-2019
Department Editor, Marketing of Services & Revenue Management Dept., <i>Service Science</i>	2019 –
Associate Editor, <i>Management Science</i>	Oct 2020 –
Associate Editor, <i>Operations Research</i>	Jan 2018 –
Associate Editor, <i>Manufacturing &amp; Service Operations Management</i>	2018 – 2019, 2021 –
Senior Editor, <i>Production and Operations Management</i>	Aug 2017 –
Associate Editor, <i>Naval Research Logistics</i>	2015 – 2017

## Edited Book/Collection

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*Sharing Economy: Making Supply Meet Demand*

2019, Springer, Cham, 1-528, in *Springer Series in Supply Chain Management*, C. Tang (Series Ed.)

*Online Marketplaces: Economics and Operations*

with G. Kong, G. V. Ryzin, 2022, vol. 20 in *INFORMS Analytics Collections*, N. G. Hall (Series Ed.)

## Book Chapter

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- [4] [Impact of Blockchain-Driven Accountability in Multi-Sourcing Supply Chains](#)  
with Y. Cui, J. Liu, 2022, *Innovative Technology at the Interface of Finance and Operations, Volume II*, V. Babich, J. Birge, G. Hilary (Ed.), 73-96, in *Springer Series in Supply Chain Management*, C. Tang (Series Ed.)
- [3] [Pricing and Matching in the Sharing Economy](#)  
with Y. Chen, Y. Zhou, 2018, *Sharing Economy: Making Supply Meet Demand*, M. Hu (Ed.), 137-164, in *Springer Series in Supply Chain Management*, C. Tang (Series Ed.)
- [2] [Online Group Buying and Crowdfunding: Two Cases of All-or-Nothing Mechanisms](#)  
with M. Shi, J. Wu, 2018, *Sharing Economy: Making Supply Meet Demand*, M. Hu (Ed.), 319-346, in *Springer Series in Supply Chain Management*, C. Tang (Series Ed.)
- [1] [Competition in Multi-Echelon Systems](#)  
with A. Federgruen, 2017, *Leading Developments from INFORMS Communities*, R. Batta, J. Peng (Eds.), 178-211, in *INFORMS Tutorials in Operations Research*, J. C. Smith (Series Ed.)

## Journal Article

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- [43] [Intertemporal Price Discrimination via Randomized Promotions](#)  
with H. Chen, J. Wu, *Manufacturing & Service Operations Management*, forthcoming
- [42] [Precommitments in Two-Sided Market Competition](#)  
with Y. Liu, *Manufacturing & Service Operations Management*, forthcoming
- [41] [Courier Dispatch in On-Demand Delivery](#)  
with M. Chen, *Management Science*, forthcoming
- [40] [Value and Design of Traceability-Driven Blockchains](#)  
with Y. Cui, J. Liu, *Manufacturing & Service Operations Management*, forthcoming
- [39] [Model-Free Assortment Pricing with Transaction Data](#)  
with N. Chen, A. Cire, S. Lagzi, *Management Science*, forthcoming
- [38] [Privacy Management in Service Systems](#)  
with R. Momot, J. Wang, 2022, *Manufacturing & Service Operations Management*, **24**(5), 2761-2779
- [37] [Food Delivery Service and Restaurant: Friend or Foe?](#)  
with M. Chen, J. Wang, 2022, *Management Science*, **68**(9), 6539-6551
- [36] [Contingent Stimulus in Crowdfunding](#)  
with L. Du, J. Wu, 2022, *Production and Operations Management*, **31**(9), 3543-3558
- [35] [Revenue Volatility Under Uncertain Network Effects](#)  
with O. Baron, A. Malekian, 2022, *Operations Research*, **70**(4), 2254-2263
- [34] [Distribution-Free Pricing](#)  
with H. Chen, G. Perakis, 2022, *Manufacturing & Service Operations Management*, **24**(4), 1939-1958

- [33] Sales Effort Management Under All-or-Nothing Constraint  
with L. Du, J. Wu, 2022, *Management Science*, **68**(7), 5109-5126
- [32] Demand Pooling in Omnichannel Operations  
with X. Xu, W. Xue, Y. Yang, 2022, *Management Science*, **68**(2), 883-894
- [31] Surge Pricing and Two-Sided Temporal Responses in Ride Hailing  
with B. Hu, H. Zhu, 2022, *Manufacturing & Service Operations Management*, **24**(1), 91-109
- [30] Dynamic Type Matching  
with Y. Zhou, 2022, *Manufacturing & Service Operations Management*, **24**(1), 125-142
- [29] NetEase Cloud Music Data  
with D. Zhang, X. Liu, Y. Wu, Y. Li, 2022, *Manufacturing & Service Operations Management*, **24**(1), 275-284
- [28] A Simple Heuristic Policy for Stochastic Distribution Inventory Systems with Fixed Costs  
with H. Zhu, F. Y. Chen, Y. Yang, 2021, *Operations Research*, **69**(6), 1651-1659
- [27] Intertemporal Segmentation via Flexible-Duration Group Buying  
with J. Liu, X. Zhai, 2021, *Manufacturing & Service Operations Management*, **23**(5), 1157-1174
- [26] From the Classics to New Tunes: A Neoclassical View on Sharing Economy and Innovative Marketplaces  
solo, 2021, *Production and Operations Management*, **30**(6), 1668-1685
- [25] Introduction to the Special Issue on Sharing Economy and Innovative Marketplaces  
with S. Benjaafar, 2021, *Manufacturing & Service Operations Management*, **23**(3), 549-552
- [24] Joint vs. Separate Crowdsourcing Contests  
with L. Wang, 2021, *Management Science*, **67**(5), 2711-2728
- [23] Global Robust Stability in a General Price and Assortment Competition Model  
with A. Federgruen, 2021, *Operations Research*, **69**(1), 164-174
- [22] Information Disclosure and Pricing Policies for Sales of Network Goods  
with Z. Wang, Y. Feng, 2020, *Operations Research*, **68**(4), 1162-1177
- [21] Efficient Inaccuracy: User-Generated Information Sharing in a Queue  
with J. Wang, 2020, *Management Science*, **66**(10), 4648-4666
- [20] Pricing and Matching with Forward-Looking Buyers and Sellers  
with Y. Chen, 2020, *Manufacturing & Service Operations Management*, **22**(4), 717-734
- [19] Operations Management in the Age of the Sharing Economy: What Is Old and What Is New?  
with S. Benjaafar, 2020, *Manufacturing & Service Operations Management*, **22**(1), 93-101 (20th Anniversary special issue)
- [18] Stability in a General Oligopoly Model  
with A. Federgruen, 2019, *Naval Research Logistics*, **66**(1), 90-102 (special issue in memory of Uriel Rothblum)
- [17] Socially Beneficial Rationality: The Value of Strategic Farmers, Social Entrepreneurs and For-Profit Firms in Crop Planting Decisions

- with Y. Liu, W. Wang, 2019, *Management Science*, **65**(8), 3654-3672
- [16] [Efficient Ignorance: Information Heterogeneity in a Queue](#)  
with Y. Li, J. Wang, 2018, *Management Science*, **64**(6), 2650-2671
- [15] [Open or Closed? Technology Sharing, Supplier Investment, and Competition](#)  
with B. Hu, Y. Yang, 2017, *Manufacturing & Service Operations Management*, **19**(1), 132-149
- [14] [Liking and Following and the Newsvendor: Operations and Marketing Policies Under Social Influence](#)  
with J. Milner, J. Wu, 2016, *Management Science*, **62**(3), 867-879
- [13] [Sequential Multi-Product Price Competition in Supply Chain Networks](#)  
with A. Federgruen, 2016, *Operations Research*, **64**(1), 135-149
- [12] [Newsvendor Selling to Loss-Averse Consumers with Stochastic Reference Points](#)  
with O. Baron, S. Najafi, Q. Qian, 2015, *Manufacturing & Service Operations Management*, **17**(4), 456-469
- [11] [Threshold Effects in Online Group Buying](#)  
with J. Wu, M. Shi, 2015, *Management Science*, **61**(9), 2025-2040
- [10] [Up then Down: Bid-Price Trends in Revenue Management](#)  
with Z. Pang, O. Berman, 2015, *Production and Operations Management*, **24**(7), 1135-1147
- [9] [Multi-Product Price and Assortment Competition](#)  
with A. Federgruen, 2015, *Operations Research*, **63**(3), 572-584
- [8] [Product and Pricing Decisions in Crowdfunding](#)  
with X. Li, M. Shi, 2015, *Marketing Science*, **34**(3), 331-345
- [7] [No Claim? Your Gain: Design of Residual Value Extended Warranties Under Risk Aversion and Strategic Claim Behavior](#)  
with G. Gallego, R. Wang, J. L. Beltran, J. Ward, 2015, *Manufacturing & Service Operations Management*, **17**(1), 87-100
- [6] [Committed versus Contingent Pricing Under Competition](#)  
with Z. Wang, 2014, *Production and Operations Management*, **23**(11), 1919-1936
- [5] [Modified Echelon  \$\(r, Q\)\$  Policies with Guaranteed Performance Bounds for Stochastic Serial Inventory Systems](#)  
with Y. Yang, 2014, *Operations Research*, **62**(4), 812-828
- [4] [Dynamic Pricing of Perishable Assets Under Competition](#)  
with G. Gallego, 2014, *Management Science*, **60**(5), 1241-1259
- [3] [Flexible-Duration Warranties with Dynamic Reliability Learning](#)  
with G. Gallego, R. Wang, J. Ward, J. L. Beltran, 2014, *Production and Operations Management*, **23**(4), 645-659
- [2] [Simultaneous vs. Sequential Group-Buying Mechanisms](#)  
with M. Shi, J. Wu, 2013, *Management Science*, **59**(12), 2805-2822
- [1] [When Gray Markets Have Silver Linings: All-Unit Discounts, Gray Markets and Channel Man-](#)

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with M. Pavlin, M. Shi, 2013, *Manufacturing & Service Operations Management*, **15**(2), 250-262