Ming Hu

*Curriculum Vita*

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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 |

**Academic Position**

*Distinguished Professor of Business Operations and Analytics* Jul 2019 – Rotman School of Management, University of Toronto, Toronto, ON

*Professor* Jul 2017 –

Rotman School of Management, University of Toronto, Toronto, ON

*Associate Professor* (with tenure) Jul 2015 – Jun 2017 Rotman School of Management, University of Toronto, Toronto, ON

*Assistant Professor* Jul 2009 – Jun 2015

Rotman School of Management, University of Toronto, Toronto, ON

*Acting Assistant Professor* Jul 2008 – Jun 2009

Rotman School of Management, University of Toronto, Toronto, ON

Editor-in-Chief, *Naval Research Logistics* Jan 2018 – Co-Editor, Special Issue of *Manufacturing & Service Operations Management* on Sharing Economy and Innovative Marketplaces 2017-2019

Department Editor, Marketing of Services & Revenue Management Dept., *Service Science* 2019 –

Associate Editor, *Management Science* Oct 2020 –

Associate Editor, *Operations Research* Jan 2018 –

Associate Editor, *Manufacturing & Service Operations Management* 2018 – 2019, 2021 – Senior Editor, *Production and Operations Management* Aug 2017 –

Associate Editor, *Naval Research Logistics* 2015 – 2017

# Edited Book

[*Sharing Economy: Making Supply Meet Demand*](https://www.springer.com/us/book/9783030018627) , 2019, Springer, Cham, 1-528, in *Springer Series in Supply Chain Management*, C. Tang (Series Ed.)

# Book Chapter

[3] [Pricing and Matching in the Sharing Economy](https://link.springer.com/chapter/10.1007/978-3-030-01863-4_8)

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](https://link.springer.com/chapter/10.1007/978-3-030-01863-4_14)

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](http://individual.utoronto.ca/minghu/download/competition_tutorial.pdf)

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

[32] [Sales Effort Management Under All-or-Nothing Constraint](http://ssrn.com/abstract%3D3506499) with L. Du, J. Wu, *Management Science*, forthcoming

[31] [Demand Pooling in Omnichannel Operations](http://ssrn.com/abstract%3D3214047)

with X. Xu, W. Xue, Y. Yang, *Management Science*, published online

[30] [A Simple Heuristic Policy for Stochastic Distribution Inventory Systems with Fixed Costs](http://ssrn.com/abstract%3D2921743) with H. Zhu, F. Y. Chen, Y. Yang, *Operations Research*, published online

[29] [Surge Pricing and Two-Sided Temporal Responses in Ride Hailing](http://ssrn.com/abstract%3D3278023)

with B. Hu, H. Zhu, *Manufacturing & Service Operations Management*, published online

[28] [Dynamic Type Matching](http://ssrn.com/abstract%3D2592622)

with Y. Zhou, *Manufacturing & Service Operations Management*, published online

[27] [NetEase Cloud Music Data](http://ssrn.com/abstract%3D3554826)

with D. Zhang, X. Liu, Y. Wu, Y. Li, *Manufacturing & Service Operations Management*, published online

[26] [Joint vs. Separate Crowdsourcing Contests](http://ssrn.com/abstract%3D2892683)

with L. Wang, *Management Science*, published online

[25] [Intertemporal Segmentation via Flexible-Duration Group Buying](http://ssrn.com/abstract%3D3242687)

with J. Liu, X. Zhai, *Manufacturing & Service Operations Management*, published online

[24] [Global Robust Stability in a General Price and Assortment Competition Model](http://individual.utoronto.ca/minghu/download/stability_OR_2021.pdf) with A. Federgruen, 2021, *Operations Research*, **69**(1), 164-174

[23] [Information Disclosure and Pricing Policies for Sales of Network Goods](http://individual.utoronto.ca/minghu/download/info_disclosure_OR_2020.pdf) with Z. Wang, Y. Feng, 2020, *Operations Research*, **68**(4), 1162-1177

[22] [Efficient Inaccuracy: User-Generated Information Sharing in a Queue](http://individual.utoronto.ca/minghu/download/info_sharing_MS_2020.pdf) with J. Wang, 2020, *Management Science*, **66**(10), 4648-4666

[21] [From the Classics to New Tunes: A Neoclassical View on Sharing Economy and Innovative Marketplaces](http://ssrn.com/abstract%3D3343145)

*Production and Operations Management*, forthcoming (special issue of Frontier Analytic Modeling and Methods for Operations Management)

[20] [Pricing and Matching with Forward-Looking Buyers and Sellers](http://individual.utoronto.ca/minghu/download/2sided_MSOM_2020.pdf)

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?](http://individual.utoronto.ca/minghu/download/sharing_MSOM_2020.pdf) with S. Benjaafar, 2020, *Manufacturing & Service Operations Management*, **22**(1), 93-101 (20th Anniversary special issue)

[18] [Stability in a General Oligopoly Model](http://individual.utoronto.ca/minghu/download/stability_NRL_2019.pdf)

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-](http://individual.utoronto.ca/minghu/download/farmer_MS_2019.pdf)

[Profit Firms in Crop Planting Decisions](http://individual.utoronto.ca/minghu/download/farmer_MS_2019.pdf)

with Y. Liu, W. Wang, 2019, *Management Science*, **65**(8), 3654-3672

[16] [Efficient Ignorance: Information Heterogeneity in a Queue](http://individual.utoronto.ca/minghu/download/ignorance.pdf) with Y. Li, J. Wang, 2018, *Management Science*, **64**(6), 2650-2671

[15] [Open or Closed? Technology Sharing, Supplier Investment, and Competition](http://individual.utoronto.ca/minghu/download/opentech_MSOM_2017.pdf)

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](http://individual.utoronto.ca/minghu/download/social_influence_MS_2015.pdf)

with J. Milner, J. Wu, 2016, *Management Science*, **62**(3), 867-879

[13] [Sequential Multi-Product Price Competition in Supply Chain Networks](http://individual.utoronto.ca/minghu/download/competition2_OR_2016.pdf) with A. Federgruen, 2016, *Operations Research*, **64**(1), 135-149

[12] [Newsvendor Selling to Loss-Averse Consumers with Stochastic Reference Points](http://individual.utoronto.ca/minghu/download/loss_aversion_MSOM_2015.pdf)

with O. Baron, S. Najafi, Q. Qian, 2015, *Manufacturing & Service Operations Management*, **17**(4), 456-469

[11] [Threshold Effects in Online Group Buying](http://individual.utoronto.ca/minghu/download/group_buying_empirical_MS_2015.pdf)

with J. Wu, M. Shi, 2015, *Management Science*, **61**(9), 2025-2040

[10] [Up then Down: Bid-Price Trends in Revenue Management](http://individual.utoronto.ca/minghu/download/up_down_POM_2015.pdf)

with Z. Pang, O. Berman, 2015, *Production and Operations Management*, **24**(7), 1135-1147

[9] [Multi-Product Price and Assortment Competition](http://individual.utoronto.ca/minghu/download/competition1_OR_2015.pdf)

with A. Federgruen, 2015, *Operations Research*, **63**(3), 572-584

[8] [Product and Pricing Decisions in Crowdfunding](http://individual.utoronto.ca/minghu/download/crowdfunding_MS_2015.pdf)

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](http://individual.utoronto.ca/minghu/download/residual_warranty_MSOM_2015.pdf)  [and Strategic Claim Behavior](http://individual.utoronto.ca/minghu/download/residual_warranty_MSOM_2015.pdf)

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](http://individual.utoronto.ca/minghu/download/committed_contingent_pricing_POM_2014.pdf)

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](http://individual.utoronto.ca/minghu/download/rQ_OR_2014.pdf)

with Y. Yang, 2014, *Operations Research*, **62**(4), 812-828

[4] [Dynamic Pricing of Perishable Assets Under Competition](http://individual.utoronto.ca/minghu/download/dynamic_pricing_competition_MS_2014.pdf)

with G. Gallego, 2014, *Management Science*, **60**(5), 1241-1259

[3] [Flexible-Duration Warranties with Dynamic Reliability Learning](http://individual.utoronto.ca/minghu/download/flexible_warranty_POM_2014.pdf)

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](http://individual.utoronto.ca/minghu/download/group_buying_MS_2013.pdf)

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 Management](http://individual.utoronto.ca/minghu/download/gray_market_MSOM_2013.pdf)

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