MENGLONG LI

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7-269, Lau Ming Wai Academic Building, City University of Hong Kong

EMPLOYMENT

City University of Hong Kong. Hong Kong, China.
Department of Decision Analytics and Operations
Associate Professor 07/2026 - Now
Assistant Professor 12/2021 - 06/2026

Massachusetts Institute of Technology. MA, United States. 01/2021 - 11/2021
Institute for Data, Systems, and Society
Postdoctoral Associate

EDUCATION

University of Illinois at Urbana-Champaign. IL, United States. 08/2016 - 12/2020
Department of Industrial and Enterprise Systems Engineering
Ph.D. in Operations Research

University of Pierre and Marie Curie. Paris, France. 09/2014 - 06/2015
Department of Mathematics
M.S. in Mathematics

Tsinghua University. Beijing, China. 09/2010 - 07/2014
Department of Mathematical Sciences
B.S. in Mathematics

RESEARCH INTEREST

Inventory management, revenue management, (discrete) convex analysis, approximation algorithms, game theory, data-driven decision-making

PUBLICATIONS

- Xingyu Bai, Xin Chen, **Menglong Li** and Alexander Stolyar (2026) Asymptotic Optimality of Semi-Open-Loop Policies in Inventory Models with Stochastic Lead Times. ***Management Science***, accepted.

- Boxiao Chen, **Menglong Li**, David Simchi-Levi (2025) Dynamic Pricing with Infrequent Inventory Replenishments. ***Management Science***, accepted.

- **Menglong Li**, David Simchi-Levi, Renfei Tan, Chonghuan Wang, Michelle Xiao Wu (2026) Contextual Offline Demand Learning and Pricing with Separable Models. ***Management Science***, 72(8):6433-7379.

- Xingyu Bai, Xin Chen, **Menglong Li**, Alexander Stolyar (2023) Asymptotic Optimality of Semi-Open-Loop Policies in Markov Decision Processes with Large Lead Times. ***Operations Research***, 71(6):2061-2077.

  Finalist, POMS-HK International Conference 2023, Best Student Paper Competition.

- Xin Chen, **Menglong Li*** (2022) S-Convexity and Gross Substitutability. ***Operations Research***, 72(3):1242-1254.

- Xin Chen, **Menglong Li*** (2021) M-Natural-Convexity and Its Applications in Operations. ***Operations Research***, 69(5):1396-1408.

  Third Place, 2019 YinzOR Student Conference, Poster Competition

- Xin Chen, **Menglong Li*** (2021) Discrete Convex Analysis and Its Applications in Operations: A Survey. ***Production and Operations Management***, 30(6):1904-1926.

*Corresponding author

WORKING PAPERS

- Xin Chen, Jiachun Li, **Menglong Li**, Tiancheng Zhao, Yuan Zhou. Assortment Optimization Under the Multivariate MNL Model. Major revision at ***Operations Research***

- Woonghee Tim Huh, **Menglong Li**, Yanzhi David Li, Tongwen Wu. A Sequential Multi-Purchase Markov Chain Choice Model: Identification, Estimation and Assortment Optimization. Major revision at ***Manufacturing and Service Operations Management***

- Bin Cao, Xin Chen, Xing Hu, **Menglong Li**, Ebrahim Arian. Monetizing Scarce Attention in Online Marketplaces: Decentralized Pricing, Assortment, and Endogenous Selling Fees. Under review.

- Xin Chen, **Menglong Li**, David Simchi-Levi, Tiancheng Zhao. Allocation of Covid-19 Vaccines Under Limited Supply.

RESEARCH GRANTS

- RGC Early Career Scheme, "Online Learning for Indivisible Product Inventory Management with Large Lead Times", 01/2026 - 12/2027, HKD348,497, PI. 2025

- CityU Start-up Grant, "Characterization of Piecewise Linear S-Convex Functions", 08/2024 - 07/2026, HKD300,000, PI. 2024

- RGC General Research Fund, "S-Convexity and Market Equilibrium", 01/2024 - 12/2025, HKD493,647, PI, with Xin Chen (Co-I). 2023

PROFESSIONAL SERVICES

- MScOSCM Program Leader at CityUHK 2024 - now

- CB Student Enrichment Committee at CityUHK 2023 - 2024

- International Exchange Coordinator of MS Department at CityUHK 2022 - 2024

- JUPAS Interviewer of MS Department at CityUHK 2022 - 2023

- Examination Officer of MS Department at CityUHK 2022 - 2023

- MScOSCM Programme Committee of MS Department at CityUHK 2022 - Now

- E-Learning Coordinator of MS Department at CityUHK 2022 - 2023

- Referee of Academic Journals: Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, Mathematics of Operations Research, Operations Research Letters, Naval Research Logistics, INFORMS Journal on Computing, Journal of Systems Science and Systems Engineering
- Judge: POMS-HK Best Student Paper Competition 2023-2025
- Session Chair: MSOM Conference 2018, CSAMSE 2023, INFORMS Annual Meeting 2024

HONORS AND AWARDS

- Finalist, POMS-HK International Conference Best Student Paper Competition (international level) 2023
- William A. Chittenden II Award (departmental level) 2020
- Third Place, YinzOR Student Conference Poster Competition (national level) 2019
- First Place, UIUC ISE Department Travel Poster Presentation (departmental level) 2019
- Excellence Award, Alibaba Global Mathematics Competition (international level) 2018
- Fondation Sciences Mathématiques de Paris Program Scholarship (international level)2014 - 2015
- China National Grants (national level) 2013
- China National Grants (national level) 2011
- Silver Award, China Mathematical Olympiad (national level) 2010
- First Prize, National High School Mathematics League (national level) 2009

TEACHING EXPERIENCE

City University of Hong Kong

- MS6721 Supply Chain Management, 2022, 2023, 2024
- MS5218 Applied Linear Statistical Models, 2022
- MS5216 Decision Analytics, 2023
- MS5313 Managerial Decision Modeling, 2024
- MS2602 Statistical Inference, 2023

STUDENT SUPERVISION

Ph.D. Students

- Xin Zeng, 09/2024 - now
- Xingjian Yang, co-supervised by Prof. Qingwei Jin (Zhejiang University), 09/2024 - now

TALKS

- 2025 INFORMS Annual Meeting, Atlanta, Georgia, October 26-29, 2025
- School of Management, University of Science and Technology of China, April 25, 2025
- School of Management, University of Science and Technology of China, April 14, 2025

- The 7th Young Scholars Symposium on Management Science, Fuzhou, December 12, 2024
- The First Conference on Intelligent Computing and Decision-Making, Shanghai Jiao Tong University, July 6-8, 2024
- Advanced Workshop in Operations Management, CityUHK, June 7, 2024
- School of Business Administration, South China University of Technology, March 8, 2024
- School of Management, University of Science and Technology of China, December 8, 2023
- School of Management, Jinan University, December 6, 2023
- 2023 POMS International Conference in China, Hangzhou, July 1-2, 2023
- New Perspectives on Substitutes Workshop, Paris, June 2-3, 2023
- The 13th POMS-HK International Conference, January 7-8, 2023
- School of Management, University of Science and Technology of China, December 7, 2022
- Frontiers in Operations Management Workshop, HKUST, December 2-3, 2022
- Department of Management Sciences, CityUHK, September 15, 2022
- 2022 POMS International Conference in China, Xi'an, June 24-27, 2022
- Department of Industrial & Enterprise Systems Engineering, UIUC, November 20, 2020
- 2019 INFORMS Annual Meeting, Seattle, Washington, October 20-23, 2019
- Gies College of Business, UIUC, September 20, 2019
- POMS 30th Annual Conference, Washington D.C., May 2-6, 2019
- 2018 INFORMS Annual Meeting, Phoenix, Arizona, November 4-7, 2018
- MSOM 2018 Conference, Dallas, Texas, July 1-3, 2018