

MENGLONG LI

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7-240, Lau Ming Wai Academic Building, City University of Hong Kong

EMPLOYMENT

City University of Hong Kong. Hong Kong, China. 12/2021 - Now
Department of Management Sciences
Assistant Professor

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

EDUCATION

University of Illinois at Urbana-Champaign. Champaign, IL. 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

- Xin Chen, Menglong Li (2021) M-Natural-Convexity and Its Applications in Operations. *Operations Research*, 69(5):1396-1408.
- Xin Chen, Menglong Li (2021) Discrete Convex Analysis and Its Applications in Operations: A Survey. *Production and Operations Management*, 30(6):1904-1926.

WORKING PAPERS

- Ebrahim Arian, Xin Chen, Menglong Li (2021) Decentralized Pricing and Capacitated Assortment Planning in an Online Marketplace.
- Beryl Chen, Menglong Li, David Simchi-Levi (2021) Joint Inventory and Pricing Control with Unequal Updating Frequencies.
- Xin Chen and Menglong Li (2020) S-Convexity and Gross Substitutability.
- Xingyu Bai, Xin Chen, Menglong Li, Alexander Stolyar (2020) Asymptotic Optimality of Semi-Open-Loop Policies in Markov Decision Processes with Large Lead Times.

- Xin Chen, Menglong Li, David Simchi-Levi, Tiancheng Zhao (2020) Allocation of Covid-19 Vaccines Under Limited Supply.
- Xin Chen, Menglong Li, Tiancheng Zhao (2020) Assortment Optimization Under a Two-Category-Bundle Logit Model.

TALKS

- **Allocation of COVID-19 Vaccines under Limited Supply**
UIUC ISE Graduate Seminar 2020
- **Substitutability, M^h -Convexity and Their Applications**
MSOM Conference 2018
- **M^h -Convexity and Its Applications in Operations**
UIUC Gies College of Business Brown Bag Seminar 2019
Informs Annual Meeting 2019
POMS Conference 2019
Informs Annual Meeting 2018

PROFESSIONAL SERVICES

- Reviewer for POM, MSOM, Operations Research Letters
- Session Chair for 2018 MSOM Conference

AWARD RECOGNITION

- **William A. Chittenden II Award** 2020
- **YinzOR Poster Competition Third Place** 2019
- **UIUC ISE Department Travel Poster Presentation First Place** 2019
- **Alibaba Global Mathematics Competition Excellence Award** 2018
- **Fondation Sciences Mathematiques de Paris Program scholarship** 2014 - 2015
- **China National Grants** 2013
- **China National Grants** 2011
- **China Mathematical Olympiad Silver Award** 2010
- **National High School Mathematics League First Prize** 2009

TECHNICAL SKILLS

Python, R, MATLAB, C++, Latex, Mathematica