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, $M^\natural$-Convexity and Their Applications**
  MSOM Conference   2018

- **$M^\natural$-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 Mathmatiques 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