

Yu Sun

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EDUCATION

Faculty of Engineering, The Chinese University of Hong Kong *Hong Kong SAR*
Ph.D. Candidate in Systems Engineering & Engineering Management 2020-2025 (Expected)
Advisor: Prof. Daniel Zhuoyu Long

School of Management & Engineering, Nanjing University *Nanjing, China*
B.E. in Industrial Engineering 2016-2020

RESEARCH

Research Interests

Problem-driven Distributionally Robust Optimization | Discrete Choice Model | Revenue Management | Healthcare Operations Management | Data-driven Analytics

Working Papers

- [1]. "Distributionally Robust Discrete Choice Model and Assortment Optimization," Qingwei Jin, Daniel Zhuoyu Long, Yu Sun, and Bin Hu, Under Major Revision at *Management Science* ([link](#))
- Second Prize, 2024 CSAMSE Best Paper Award
 - [2]. "Distributionally Robust Group Testing with Correlation Information," Daniel Zhuoyu Long, Jin Qi, Yu Sun, and Aiqi Zhang, under Major Revision at *Management Science* ([link](#))
 - [3]. "Sequential Choice Model with Representative Products: Modeling and Optimization," Daniel Zhuoyu Long, Yu Sun, and Ruxian Wang, preparing for submission
 - [4]. "Smart Predict-then-optimize Approach in Assortment Optimization," Daniel Zhuoyu Long, Yu Sun, and Ruxian Wang, working paper
 - [5]. "Optimization with Small Data: Data-Driven Distributionally Robust Defibrillator Deployment under an Adjustable Ambiguity Set," Zhi Chen, Tenglong Hong, Daniel Zhuoyu Long, and Yu Sun, working paper
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TEACHING

Teaching Assistant, The Chinese University of Hong Kong

ESTR 1005: Linear Algebra for Engineers (Elite Stream)	2021-2023
SEEM 3500: Quality Control and Management	2021-2022
SEEM 3620: Introduction to Logistics and Supply Chain Management	2023
SEEM 5710: Principles of Operations Management (Graduate Level)	2021-2024

Teaching Assistant, The Chinese University of Hong Kong, Shenzhen

LSC 5710: Transportation Logistics (EMSc Level)	2023
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AWARDS & HONORS

Second Prize, CSAMSE Best Paper Award	2024
PhD International Mobility for Partnerships and Collaborations Award, The Chinese University of Hong Kong	2023
Excellent Graduate, Nanjing University	2020
Excellent Student Cadres, Education Department of Jiangsu Province	2019
National Scholarship, Ministry of Education, China	2018
Excellent Student Cadres, Nanjing University	2018
CMB One Card Scholarship, Nanjing University	2017
Excellent Student, Nanjing University	2017

VISITS

Carey Business School, Johns Hopkins University	<i>Washington, D.C.</i>
Visiting Student (Non-degree) in Operations Management	2023-2024
Advisor: Prof. Ruxian Wang	
Research Topics: Sequential Choice Model, Revenue Management, Pricing	

CONFERENCE TALKS

Distributionally Robust Group Testing with Correlation Information

INFORMS Annual Meeting	2022,2023,2024
CSAMSE Conference	2023
POMS-HK International Conference	2023,2024

Distributionally Robust Discrete Choice Model and Assortment Optimization

INFORMS MSOM Conference	2023
CSAMSE Conference	2023,2024
INFORMS Annual Meeting	2023
POMS-HK International Conference	2023,2024

Sequential Choice Model with Representative Products

INFORMS MSOM Conference	2024
INFORMS Revenue Management and Pricing Section Conference	2024
INFORMS Annual Meeting	2024

REFERENCES

Prof. Daniel Zhuoyu Long

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Department of Systems Engineering & Engineering Management, The Chinese University of Hong Kong, Shatin, Hong Kong

Prof. Jin Qi

Email: jinqi@ust.hk

Department of Industrial Engineering and Decision Analytics, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong

Prof. Melvyn Sim

Email: melvynsim@nus.edu.sg

Department of Analytics & Operations, NUS Business School, National University of Singapore, Singapore

Prof. Ruxian Wang

Email: ruxian.wang@jhu.edu

Carey Business School, Johns Hopkins University, Baltimore, MD, USA
