Chenxi Sun

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Department of Decisions, Operations and Technology, CUHK Business School
2026–2027 Academic Job Market Candidate

Education

The Chinese University of Hong Kong, Hong Kong, China *2022–2027 (expected)*
- Ph.D. in Operations Management
- Advisor: Prof. Sean Zhou

Shanghai University of Finance and Economics, Shanghai, China *2020–2022*
- Master of Management in Management Science and Engineering
- Advisor: Prof. Chaolin Yang
- Bachelor in Information Management and Information Systems *2016–2020*

Research Interests

Stochastic Inventory Theory and Applications; Supply Chain Management; Sustainable Operations; Operations–Marketing Interface

Manuscripts under Revision and Review

Remanufacturing Inventory System with Demand-Dependent Returns: Optimality Analysis and Approximations
with Zhijie Tao, Xuefeng Gao, and Sean Zhou
Minor revision at *Operations Research* [Paper]

Base-stock Policies in Backlogging Inventory Systems with Stochastic Lead Times: New Results and Insights
with Xiting Gong
Under review at *Operations Research* [Paper]

The Impact of Secondary Markets on Selling Blind Boxes with Set Bonuses
with Yinbo Feng and Chaolin Yang
Submitted to *Production and Operations Management* [Paper]

Work in Progress

Collect, Process, and Sell: Operations of a Smallholder Aggregator
with Christopher Thomas Ryan and Sean Zhou
Work in progress

Teaching Experience

Teaching Assistant **CUHK Business School**

DOTE6200: Supply Chain Sustainability Management, master's course (2026, 2025)

FEMBA6122: Data, Models and Decisions, FEMBA course (2026, 2025)

DOTE2040: Business Analytics, undergraduate course (2024)
- Delivered one lecture on Python programming and led one tutorial session
- Teaching evaluation: **5.43/6.00**

DOTE6330: Probability and Mathematical Statistics, FMBA course (2024)

DOTE5410: Operations Management, MBA course (2023, 2022)

DSME4020: Decision Modeling and Analytics, undergraduate course (2022)

Conference Presentations

Base-stock Policies in Backlogging Inventory Systems with Stochastic Lead Times: New Results and Insights

- INFORMS Annual Meeting — San Francisco, CA, USA, 2026
- POMS International Conference in China — Xi'an, China, 2026
- POMS-HK International Conference — Shenzhen, China, 2026

Remanufacturing Inventory System with Demand-Dependent Returns: Optimality Analysis and Approximations

- POMS-HK International Conference — Hong Kong, China, 2025
- POMS Annual Conference — Orlando, FL, USA, 2023

The Impact of Secondary Markets on Selling Blind Boxes with Set Bonuses

- POMS-HK International Conference — Hong Kong, China, 2023
- POMS Annual Conference — Orlando, FL, USA, 2023

Service

- Ad-hoc Reviewer: *Naval Research Logistics*
- Student Seminar Coordinator — DOT, CUHK Business School, 2026-
- Session Chair (upcoming), ASCI Conference (successor to POMS-HK) — Guangzhou, China, 2027

References

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Christopher Thomas Ryan
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