CHEN, LI

The University of Sydney Business School
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RESEARCH INTERESTS

Methodologies:	Optimization Under Uncertainty, Data-Driven Decision Making
Applications:	Supply Chain Management, Smart City Operations, Sustainable Operations

ACADEMIC APPOINTMENT

The University of Sydney (USYD)
Lecturer (Assistant Professor), The Discipline of Business Analytics *October 2023 - Present*

National University of Singapore (NUS)
Research Fellow, Institute of Operations Research and Analytics *August 2022 - August 2023*

EDUCATION

National University of Singapore (NUS) *August 2017 - July 2022*
Ph.D. in Operations Research and Analytics
Thesis: "Optimization under uncertainty using exponential cones"

University of Science and Technology of China (USTC) *August 2013 - June 2017*
BSc in Computational Mathematics, Hua Loo-Keng Talent Program

WORKING PAPERS

[CCS23]   Li Chen, Mabel C Chou, and Qinghe Sun. "Process Flexibility: A Distribution-Free Approach to Long Chain Resilience". In: *Available at SSRN 4533519* (2023).

[Che+22]   Li Chen, Melvyn Sim, Xun Zhang, Long Zhao, and Minglong Zhou. "Robust actionable prescriptive analytics". In: *Available at SSRN 4106222* (2022).

PUBLICATIONS

[Che+24a]   Li Chen, Chenyi Fu, Fan Si, Melvyn Sim, and Peng Xiong. "Robust Optimization with Moment-Dispersion Ambiguity". In: *Operations Research* (2024).

[CHZ24]   Li Chen, Long He, and Yangfang Zhou. "An exponential cone programming approach for managing electric vehicle charging". In: *Operations Research* 72.5 (2024), pp. 2215–2240.

[CS24]   Li Chen and Melvyn Sim. "Robust CARA optimization". In: *Operations Research* (2024).

[Sun+23]   Qinghe Sun, Li Chen, Mabel C Chou, and Qiang Meng. "Mitigating the financial risk behind emission cap compliance: A case in maritime transportation". In: *Production and Operations Management* 32.1 (2023), pp. 283–300.

[SCM22]   Qinghe Sun, Li Chen, and Qiang Meng. "Evaluating port efficiency dynamics: A risk-based approach". In: *Transportation Research Part B: Methodological* 166 (2022), pp. 333–347.

TEACHING EXPERIENCE

- Instructor for *QBUS2310: Management Science* at USYD in S2 2024, S1 2025

- Tutor for *Optimization in Data Science & Machine Learning* at NUS in Summer 2022

- Tutor for *MA3252: Linear and Network Optimization*, at NUS in Spring 2019

- TA for *DBA3701: Introduction to Optimization* at NUS in Fall 2018, 2022

- TA for *BDC6304: Robust Modelling and Optimization* at NUS in Spring 2022

- TA for *MA5268: Theory and Algorithm for Nonlinear Optimization* at NUS in Fall 2019

RESEARCH AWARDS & FELLOWSHIPS

- Runner-Up in INFORMS Computing Society Harvey Greenberg Research Award 2023

- Emerging Scholar Research Fellowship, University of Sydney Business School 2024

- Third Place in Best Paper, Institute of Supply Chain and Operations Management 2024

CONFERENCE PRESENTATIONS

- *POMS-HK International Conference 2023, 2024, 2025*

- *Joint Meeting of the NZMS, AustMS and AMS 2024*

- *ISMP 2024*

- *WOMBAT 2023*

- *INFORMS Annual Meeting 2019, 2021, 2022, 2023*

- *POMS-China International Conference 2023*

- *SIAM Conference on Optimization 2023*

- *CSAMSE Annual Conference 2019, 2021*

- *M&SOM Conference 2021*

- *POMS Annual Conference 2021*

PROFESSIONAL SERVICE

- Referee for *IISE Transactions, INFORMS Journal on Computing, Journal of Global Optimization, Management Science, Manufacturing and Service Operations Management, Mathematical Programming Computation, Mathematics of Operations Research, Operations Research, Transportation Research Part B: Methodological*

- Seminar Coordinator for *USYD Business Analytics Research Seminar 2024, 2025*

- Judge for *POMS-HK Best Student Paper Competition 2025*

- Organization Committee for *WOMBAT 2024*

- Organization Committee for *Analytics for X Conference 2022*

- Session Chair for *INFORMS Annual Meeting 2022, 2023*

- Session Chair for *Analytics for X Conference 2021, 2022*

- Student Helper for *MSOM Conference 2019*