

Liangqi CHENG



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Academic Qualification

2020-2025 Ph.D.: Tsinghua University, Management Science and Engineering;
2016-2020 BS/BA: Nankai University, Industrial Engineering.

Working Experience

2026-present Assistant Professor / Macau University of Science and Technology
2026-2026 Postdoctoral Fellow / The Hong Kong Polytechnic University

Teaching Activities

MBSZ05 Research Methodology

Research Areas

Research problem: Shipping operations, Port operations, Green shipping, Logistics and supply chain management

Research method: Optimization, Big data

Selected Publications

1. Journal articles

Li, K. X., Feng, Y., Bai, X., Yuen, K. F., Ye, G., & **Cheng, L.*** (2026). The value-of-green in second-hand bulk carrier valuation: A hybrid machine learning approach. *Transportation Research Part D: Transport and Environment*, 156, 105389. [JCR Q1, ABS3]

Cheng, H., **Cheng, L.**, & Bai, X. (2026). Dynamic carbon intensity indicator (CII) management in stochastic tramp shipping market. *Transportation Research Part A: Policy and Practice*, 210, 105059. [JCR Q1, ABS3]

Cheng, L., Xu, L., & Bai, X. (2025). Cargo selection, route planning, and speed optimization in tramp shipping under carbon intensity indicator (CII) regulations. *Transportation Research Part E: Logistics and Transportation Review*, 194, 103948. [JCR Q1, ABS3]

Bai, X., **Cheng, L.**, & Iris, Ç. (2022). Data-driven financial and operational risk management: Empirical evidence from the global tramp shipping industry. *Transportation Research Part E: Logistics and Transportation Review*, 158, 102617. [JCR Q1, ABS3]

Bai, X., **Cheng, L.**, Yang, D., & Cai, O. (2022). Does the traffic volume of a port determine connectivity? Revisiting port connectivity measures with high-frequency satellite data. *Journal of Transport Geography*, 102, 103385. [JCR Q1, ABS2]

Li, K., **Cheng, L.**, & Teng, C.-I. (2020). Voluntary sharing and mandatory provision: Private information disclosure on social networking sites. *Information Processing & Management*, 57(1), 102128. [JCR Q1, ABS2]

2. Conference talks

Production and Operations Management Society (POMS) International Conference in China (Xi'an, China), 2026

International Conference of the Chinese Scholars Association for Management
Science and Engineering (CSAMSE) (Chengdu, China), 2025

International Association of Maritime Economists (Bergen, Norway), 2025

INFORMS Annual Meeting (Seattle, USA), 2024

International Conference on Logistics and Maritime Systems (Hamburg, Germany),
2024

Intelligent Transportation System World Congress (Suzhou, China), 2023

International Conference on Logistics and Maritime Systems (Busan, South Korea),
2023

National Industrial Engineering Doctoral Forum (Beijing, China), 2022

World Transport Convention (Xi'an, China), 2021

International Association of Maritime Economists (Hong Kong, China), 2020

Other Professional Activities

Peer reviewer: Transportation Research Part D

Session chair: International Conference on Logistics and Maritime Systems, (Busan,
South Korea), 2023

Honors/Awards

Second Prize, CSAMSE Annual Conference Best Practice Award, 2025

Graduate Comprehensive Scholarship, Tsinghua University, 2023-2024

“Future Professor” Training Program, Department of Industrial Engineering,
Tsinghua University, 2023

Graduate National Scholarship, 2022

Outstanding Paper Finalist, National Industrial Engineering Doctoral Forum, 2022

Excellent Paper Award, World Transport Convention, 2021

Third Place, United Nations AIS Big Data Hackathon, 2020

Outstanding Graduate, Nankai University, 2020

Gongneng Scholarship, Nankai University, 2019

Third Prize, National Contest on Logistics Design by University Students, 2019

Second Prize, China Undergraduate Mathematical Contest in Modeling, 2018

Honorable Mention, USA Mathematical Contest in Modeling, 2018

First Prize, University Mathematics Competition in Tianjin, 2017

Scholarship of National Astronomical Observatories, Chinese Academy of Sciences,
2016