

Shu Zhang

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EMPLOYMENT

Professor, Chongqing University, 2025.1 - present
Associate Professor, Chongqing University, 2018.9-2024.12
Assistant Professor, Chongqing University, 2015.9-2018.8

EDUCATION

Ph.D. in Management Sciences, University of Iowa, 2015
M.S. in Industrial Engineering, Mississippi State University, 2010
B.A. in Logistics Management, Civil Aviation University of China, 2007

RESEARCH INTERESTS

- Sequential decision problems
- New operations in city logistics
- Green logistics with electric vehicles
- Planning decisions in platform operations

SELECTED PUBLICATIONS (* indicates corresponding author)

Yutong Gao, **Shu Zhang***, Zhiwei Zhang, Quanwu Zhao, The stochastic share-a-ride problem with electric vehicles and customer priorities, *Computers and Operations Research*, 2024, 164, 106550164.

Qin Li, Yu Wang, Yu Xiong, **Shu Zhang***, Yu Zhou, Machine learning-based optimization in a two-echelon logistics network for the dry port operation in China, *International Journal of Systems Science: Operations & Logistics*, 2023, 10(1), 2252321.

Shu Zhang*, Jeffrey W. Ohlmann, Barrett W. Thomas, Multi-Period Orienteering with Uncertain Adoption Likelihood and Waiting at Customers, *European Journal of Operational Research*, 2020, 282(1): 288-303.

Shu Zhang*, Ann Campbell, Jan Ehmke, Impact of congestion pricing schemes on costs and emissions of commercial fleets in urban areas, *Networks*, 2019, 73(4).

Shu Zhang*, Jeffrey W. Ohlmann, Barrett W. Thomas, Dynamic orienteering on a network of queues, *Transportation Science*, 2018, 52(3): 497-737.

Shu Zhang*, Jeffrey W. Ohlmann, Barrett W. Thomas, A Priori Orienteering with Time Windows and Stochastic Wait Times at Customers, *European Journal of Operational Research*, 2014, 239(1): 70-79.

GRANTS

National Science Foundation of China, General Project, "Dynamic crowdsourced delivery with social responsibility", Award No. 72371039, 2024-2027, 390,000 RMB, PI.

National Science Foundation of China, General Project, "Crowdsourced logistics with shared

electric mobility”, Award No. 71971932, 2020-2023, 500,000 RMB, PI.

National Science Foundation of China, Youth Project, “Electric vehicle routing with uncertain energy consumption and queueing at charging stations”, Award No. 71601024, 2017-2019, 150,000 RMB, PI.

Social Science Foundation of the Chinese Ministry of Education, Youth Project, “Stochastic electric vehicle routing with queueing”, Award No. 16YJC630169, 2016-2019, 78,000 RMB, PI.

HONORS AND AWARDS

Supervisor of the Best Master Thesis in Chongqing City, Chongqing Municipal Education Commission, 2024

Bayu Scholars of Chongqing, Chongqing Municipal Education Commission, 2024

Supervisor of the Best Undergraduate Thesis in Chongqing City, Chongqing Municipal Education Commission, 2023

Excellent Performance of the Year, Chongqing University, 2020

Ballard and Seashore Dissertation Year Fellowship, University of Iowa, 2014 - 2015

INFORMS Doctoral Student Colloquium, San Francisco, CA, 2014

Excellent Graduate Award, Civil Aviation University of China, 2007

CONFERENCE PRESENTATIONS

“Impact of Congestion Pricing Schemes on Depot Location for Last-mile Delivery”, INFORMS Annual Meeting, Seattle, Washington, October 2024.

“Dynamic Capacity Management for Crowdsourced Delivery”, Odysseus 2018 9th International Workshop on Freight Transportation and Logistics, Carmona, Spain, May 2024.

“Crowdsourced Delivery with Rental Electric Vehicles”, INFORMS Annual Meeting, Phoenix, Arizona, October 2023.

“Crowdsourced Delivery with Rental Electric Vehicles”, Transportation Science and Logistics Society Conference, Chicago, Illinois, July 2023.

“Impact of Congestion Pricing Schemes on Costs and Emissions of Commercial Fleets in Urban Areas”, Odysseus 2018 7th International Workshop on Freight Transportation and Logistics, Cagliari, Italy, June 2018.

“Can Tolling Schemes Really Reduce Emissions of Freight Transportation in Urban Area?”, INFORMS Transportation Science and Logistics Society Workshop, Hong Kong, January 2018.

“Impact of Congestion Pricing Schemes on Routing Costs and Emissions”, INFORMS Annual Meeting, Houston, Texas, October 2017.

“Stochastic Multi-period Orienteering With Time Windows And Uncertain Customer Adoption”, INFORMS Annual Meeting, Nashville, Tennessee, November 2016.

“Multi-Period Orienteering with Uncertain Adoption Likelihood and Waiting at Customers”, INFORMS Annual Meeting, Philadelphia, Pennsylvania, November 2015.

“Dynamic Orienteering on a Network of Queues with an Application to Textbook Sales,” INFORMS Annual Meeting, San Francisco, CA, November 2014.

“Daily Routing for Customer Relationships in the Textbook Industry,” INFORMS Annual Meeting, Minneapolis, MN, October 2013.

"Routing for Customer Relationship," INFORMS Annual Meeting, Phoenix, AZ, October 2012.

"Lot-Sizing Problem with Multi-Mode Replenishment and Perishable Inventory," IIE Annual Conference, Miami, FL, June 2009.

"A Network Flow Approach for Crane Scheduling Problem in a Shipbuilding Environment," INFORMS Annual Conference, Washington D.C., October 2008.

PROFESSIONAL ACTIVITIES AND SERVICES

Referee for *Transportation Science* (**2022, 2023 Meritorious Service Awards**), *European Journal of Operational Research*, *INFORMS Journal on Applied Analytics*, *International Journal of Production Research*, *International Journal of Production Economics*, *Omega*, *Computers & Operations Research*, *Computers & Industrial Engineering*

Scientific Committee for Winter Simulation Conference (2022, 2023, 2024), INFORMS Transportation Science and Logistics Society Workshop (2018, 2020)

Referee for National Science Foundation of China (2019-2024)