

Yue YANG

Postdoctoral Research Fellow

The Sustainable And Innovative Transport Demand Laboratory
New York University

Phone: +61 0402665251

Email: yue.yang@nyu.edu

Home: yueyang.info

Scholar: [yue yang.scholar](http://yueyang.scholar)

Research Interests

Shared and on-demand transport services, connected and autonomous vehicles, spatio-temporal data mining.

Education

- 2021–2024 Ph.D., Transportation Engineering, The University of Sydney
Thesis Title: Management and operation of the supply side in ride-hailing platforms
Supervisor: Associate Professor [Mohsen Ramezani](#)
- 2017–2020 M.Sc., Transportation Engineering, Beihang University
- 2012–2016 B.Sc., Industrial Engineering and Operation Research, University of Science and Technology Beijing

Appointments

- 2025–now Postdoctoral Research Fellow, New York University Abu Dhabi
Principal Investigator: Professor [Elisabetta Cherchi](#)
- 2020–2021 Research Assistant, The H. Milton Stewart School of Industrial and Systems Engineering (ISyE), Georgia Tech Shenzhen Institute
- 2018–2020 Research scientist, The Marketplace simulation team, Didi Chuxing

Publications

Working papers

1. **Yang, Y.**, Ali, S., Ahmadi, S., & Ramezani, M. (2024). On-demand electric shuttles as feeders in the multimodal transport system. Under the 1st round of review of Transportation Research Part C.

Under-review papers

2. **Yang, Y.**, & Ramezani, M. (2024). The intraday competition in a duopoly ride-hailing market. Under the 1st round of review of Transportation Research Part C.
1. **Yang, Y.**, Renssen, A., & Ramezani, M. (2024). Dynamic on-demand delivery with spatial divisions of labor. Under the 1st round of review of Transportation Research Part C.

Journals

5. **Yang, Y.**, Umboh, W., & Ramezani, M. (2024). Freelance drivers with a decline choice: dispatch menus in on-demand mobility services for assortment optimization. *Transportation Research Part B*, 190, 103082. DOI: [10.1016/j.trb.2024.103082](https://doi.org/10.1016/j.trb.2024.103082). Video: [YouTube source](#)
4. **Yang, Y.**, & Ramezani, M. (2022). A learning method for real-time repositioning in E-hailing services. *IEEE Transactions on Intelligent Transportation Systems*, 24(2), 1644-1654. DOI: [10.1109/TITS.2022.3219381](https://doi.org/10.1109/TITS.2022.3219381). Video: [YouTube source](#)
3. Ramezani, M., **Yang, Y.**, Elmasry, J., & Tang, P. (2023). An empirical study on characteristics of supply in e-hailing markets: a clustering approach. *Transportation Letters*, 15(7), 645-658. DOI: [10.1080/19427867.2022.2079869](https://doi.org/10.1080/19427867.2022.2079869). Video: [YouTube source](#)
2. **Yang, Y.**, Tian, Q., & Wang, Y. (2020). Who is more likely to get a ride and where is easier to be picked up in ride-sharing mode?. *Journal of Management Science and Engineering*, 5(4), 264-286. DOI: [10.1016/j.jmse.2020.09.003](https://doi.org/10.1016/j.jmse.2020.09.003).

Conferences

11. Jiao, G., **Yang, Y.**, & Ramezani, M. (2025 June). On the Joint Effects of Supply and Demand Multi-homing in the e-hailing Market. *TRISTAN XI, The 12th Triennial Symposium on Transportation Analysis*, Okinawa, Japan. Oral presentation.
10. **Yang, Y.**, & Ramezani, M. (2025 June). The intraday competition in a duopoly ride-hailing market. *TRISTAN XI, The 12th Triennial Symposium on Transportation Analysis*, Okinawa, Japan. Oral presentation.
9. **Yang, Y.**, & Ramezani, M. (2024 January). Winning the intraday competition in duopoly ride-hailing markets: joint pricing and matching optimization. The 103rd Annual Meeting of the Transportation Research Board, Washington D.C. Oral presentation.
8. **Yang, Y.**, Renssen, A., & Ramezani, M. (2023 December). Multi-hop driver-parcel matching with dynamic network partitioning: When is it more beneficial to split trips in on-demand logistics services? The 27th HKSTS International Conference, Hong Kong. Oral presentation.
7. **Yang, Y.**, Renssen, A., & Ramezani, M. (2023 November). Multi-hop on-demand courier-parcel delivery through spatial division of labor. *TRANSW Symposium 2023*. Sydney, Australia. Oral presentation.
6. **Yang, Y.**, Renssen, A., & Ramezani, M. (2023 September). Multi-hop on-demand courier-parcel delivery through spatial division of labor. Engineering HDR student conference. Sydney, Australia. Oral presentation.
5. **Yang, Y.**, Umboh, W., & Ramezani, M. (2023 January). Suppliers' Ride Acceptance Behavior in On-Demand Mobility Services: Personalized Menu Assortment Optimization. The 102nd Annual Meeting of the Transportation Research Board, Washington D.C. Oral presentation.
4. **Yang, Y.**, & Ramezani, M. (2023 January). Where is the best place for vacant vehicles to find a passenger in e-Hailing systems? An integrated approach considering real-time priority and long-run benefits. The 102nd Annual Meeting of the Transportation Research Board, Washington D.C. Oral presentation.

3. **Yang, Y.** & Ramezani, M. (2022 November). Beat the competitor in a duopoly ride-hailing market: joint matching, pricing, and waging optimization. TRANSW Symposium 2022. Sydney, Australia. Oral presentation.
2. **Yang, Y.**, & Ramezani, M. (2022 June). Addressing supply and demand heterogeneity: Trip order menus in Ride-hailing platforms. *TRISTAN XI, The 11th Triennial Symposium on Transportation Analysis*, Mauritius Island. Oral presentation.
1. **Yang, Y.**, & Ramezani, M. (2021 November). Addressing supply and demand heterogeneity: Trip order menus in point-to-point transport platforms. TRANSW Virtual Symposium 2021. Oral presentation.

Teaching Assistant

2022–2023 CIVL2700, Transport Systems The University of Sydney

Supervision

2023 Alden Ronaldo Christopher, Undergraduate Student The University of Sydney

Honours and Awards

- 2024 Faculty of Engineering Career Advancement Award, The University of Sydney, Sydney, Australia.
- 2023 People's choice award, Engineering HDR student conference, The University of Sydney, Sydney, Australia.
- 2022 Best Oral Presentations, TRANSW Symposium 2022, Sydney, Australia.
- 2019 Best paper award, 11th International Workshop on Computational Transportation Science (CTS), Tianjin, China.
- 2017 [Top 15 Team](#), Asia of Maritime Logistics Hackathon 2017, Hong Kong.

Academic Services

- Reviewer, Transportation Letters
- Reviewer, Transportmetrica B
- Reviewer, Transportation Research Part C
- Reviewer, Transportation Research Part A
- Reviewer, IET Intelligent Transport Systems
- Reviewer, 45th Australasian Transport Research Forum (ATRF) Conference, 2024.
- Reviewer, 8th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), 2023.
- Reviewer, 11th-12th Symposium of the European Association for Research in Transportation (hEART), 2023–2024.