

Name: Hui Wang**Organization:** Department of Geography, The University of Hong Kong**Position:** PhD Candidate (4-year program)**Research Interests:** (i) Accessibility and Urban Form
(ii) Sustainable Mobility and Health
(iii) Transport Operations and Optimization**Supervisor:** [Professor Becky P.Y. Loo](#)**E-mail:** huiwanghk@connect.hku.hk**Personal Website:** <https://huiwanghk.github.io/>

Education Background

Period	Organization	Degree
2022.09-present	The University of Hong Kong	PhD (Transport Geography)
2019.09-2022.06	Tongji University	M.Eng (Transport)
2021.10-2022.06	Technical University of Munich	Exchange
2015.09-2019.07	Beijing Jiaotong University	B.Eng (Railway Transport)

Publications

*: denotes corresponding author. 🌟 means top 10% in the respective subject category. 🌸 means representative work.

2025

1. **Wang, H.**, Tsoi K.H. & Loo, B.P.Y.* (2025). An assessment framework for 15-minute Cities: Progress worldwide and the impact of urban form. *Transportation Research Part A: Policy and Practice*, 199, 104583. 🌟🌸
2. Teng, J., Wu, T., Cen, Z.*, Li, J. Y., & **Wang, H.** (2026). Exploring heterogeneity in preferences for Mobility as a Service: An airport ground access case in Qingdao, China. *Travel Behaviour and Society*, 42, 101149. 🌟
3. Li, J. Y., **Wang, H.**, & Teng, J.* (2025). Revisit bus network robustness from the perspective of service-physical dependency. *Transportation Letters*, 1-14.

2024

4. **Wang, H.** & Loo, B.P.Y.* (2024). The Public Transport Disadvantaged in a Highly Transit-oriented City: An Analytical Framework, Key Challenges and Opportunities. *Journal of Transport Geography*, 120, 103983. 🌟🌸
5. Loo, B.P.Y. & **Wang, H.*** (2024). Dynamics of In-Station Time within Metro Systems: Measurement and Determining Factors. *Tunnelling and Underground Space Technology incorporating Trenchless Technology Research*, 153, 106006. 🌟🌸
6. Peng, W., Teng, J., & Wang, H. (2024). Understanding Heterogeneous Passenger Route Choice in Municipal Rail Transit with Express and Local Trains: An Empirical Study in Shanghai. *Urban Rail Transit*, 10(2), 122-143.
7. Yang, L., Li, D.*, **Wang, H.**, & Gao, Y. (2024). Integrating stop planning, timetabling and rolling stock planning on high-speed railway lines: A multi-objective optimization approach. *Expert Systems with Applications*, 237, 121515. 🌟
8. Li, J.Y., Teng, J.*, & **Wang, H.** (2024). Measuring route diversity in spatial and spatial-temporal public transport networks. *Transport Policy*, 146, 42-58. 🌟
9. Li, J.Y., Teng, J.*, & **Wang, H.** (2024). Measuring robustness in uncertain topologies: a study of on-demand bus networks. *Transportmetrica A: Transport Science*, 1-27.

2023

10. **Wang, H.**, Li, J., Wang, P., Teng, J.*, & Loo, B.P.Y. (2023). Adaptability analysis methods of demand responsive transit: a review and future directions. *Transport Reviews*, 43(4), 676-697. 🌱🌸
11. Bai, Z., **Wang, H.**, Yang, L., Li, J., & Lu, H*. (2023). A Rescheduling Approach for Freight Railway considering Equity and Efficiency by an Integrated Genetic Algorithm. *Journal of Advanced Transportation*, 2023(1), 8989644.
12. Li, J. Y., Teng, J., & Wang, H. (2023). Integrating bipartite network modelling and overlapping community detection: A new method to evaluate transit line coordination. *Physica A: Statistical Mechanics and its Applications*, 628, 129169.

In and before 2022

13. **Wang, H.**, Teng, J.*, and Loo, B.P.Y. (2022). A Multi-Agent-Based Simulation: Explore the Adaptability of Route Deviation Demand Responsive Transit. *Proceedings of the 26th International Conference of Hong Kong Society for Transportation Studies*, HKSTS 2022.
14. Teng, J., **Wang, H.**, Zhang, C.*, & Liu, S. (2021). Evaluation of operating schemes on municipal rail transit with express/local mode. *Transportation Research Record*, 2675(12), 583-597. 🌸
15. **Wang, H.**, Du X., Li H.*, Wang, Y., He, Z. (2019). A Study on Layout Adaptive Evaluation of Train Operation System. *Railway Transport and Economy*, 41(12), 97-104. (In Chinese)

Services

Teaching:

1. GEOG 7104 | GIS in Transport Planning and Management (Guest Lecture: GTFS in Sustainable Transport Planning; Teaching Assistant; Sem1/2025-2026; The University of Hong Kong)

Peer-Review:

1. Journal: Transportation Research Part A: Policy and Practice, Sustainable Cities and Society, Journal of Transport Geography, Travel Behaviour and Society, Reliability Engineering & System Safety, Research in Transportation Economics, Transport Policy, npj sustainable mobility and transport, Transportmetrica A: Transport Science, Transportation Planning and Technology, Railway Transport and Economy (Chinese)
2. Conference: INSTR2023: The 9th International Symposium on Transport Network Resilience, TRB2020

Professionals:

1. Vice-Chairperson of the Student Committee at HKU Institute of Transport Studies (2025-2026)
2. Student Member at HKU Research Hub of Population Studies (since 2025)
3. Student Fellow at HKU Joint Lab on Future Cities (since 2022)
4. Student Fellow at HKU Institute of Transport Studies (since 2022)
5. Student Member at USA Institute for Operations Research and the Management Sciences (INFORMS) (2020-2021)

Conference:

1. Session Chair (Public Space and Social Networks Session), International Association for China Planning 2025 Conference (July 3-6, 2025)

Knowledge Exchange:

1. Providing Simulation Training for Global Virtual Design and Construction Limited [[News](#)]
2. Providing Professional Consultation for the Beijing Municipal Institute of City Planning & Design on Flexible Bus Operations on 23.Aug.2023. [[Report in Chinese](#)]

Funding & Awards

1. Sino-British Fellowship Trust Visitorships 2025-26 🌸	2025
2. PhD Student Travel Fund from Hong Kong Society for Transportation Studies	2025
3. Conference Support Scheme from HKU Research Hub of Population Studies	2025
4. External Research Funding from Beijing Municipal Institute of City Planning & Design 🌸 (Support field trip expenses, including accommodation and survey costs for Hui (PI), with an amount of 50,000 RMB.)	2024
5. Outstanding Master's Thesis Award from Tongji University 🌸	2023
6. Outstanding Graduate Award of Shanghai 🌸	2022
7. China National Scholarship	2021
8. Excellent Student Title at Tongji University.	2020
9. The Social Activities Scholarship at Tongji University.	2020
10. The Second Scholarship at Beijing Jiaotong University.	2018

Contests

1. INFORMS: The 2020 RAS Problem Solving Competition (International). The First Prize. 🌸 [Award Recipients on Official Website] [Newsletter of Competition] [Newsletter from Tongji University]	2020
2. The 17th China Graduate Mathematical Contest in Modeling (National). The Second Prize.	2020
3. The 16th China Graduate Mathematical Contest in Modeling (National). The Second Prize.	2019
4. Interdisciplinary Contest in Modeling (International). Honorable Mention.	2018
5. Asia and Pacific Mathematical Contest in Modeling (International). The Second Prize.	2018
6. Shenzhen Road Traffic Accident Data Analysis Competition (Provincial). Excellent Award.	2018