Sijie Liu

Telephone: (+44) 07923113917 | Email: liusijiework@gmail.com

Research Interests: Transport Planning, Future Mobility, Smart City, Traffic Big Data

Education Background

The University of Manchester **07/2021 - 07/2022**
MSc in Urban Design and International Planning **GPA: Distinction**

Hebei University of Technology) **09/2016 - 06/2020**
BEng in Civil Engineering **GPA:** 85/100

Work Experience

Tianjin Municipal Engineering Design and Research Institute **12/2022-12/2024**
Transportation Planning Engineer **Department of Integrated Transport Development & Research**
Focus Areas: Public Transportation, Traffic Modeling and Simulation, Multi-Source Data Processing, Transport Planning and Consultancy

Publications

- **Liu, S.**, Yuan, F., Yang, Y., Wang, J., (2023). 'Reforming England's Infrastructure Planning System from a Neoliberal Perspective' . *Urban and Regional Planning*. 8(3), pp48-51.
- W. Yang, S. Tian, M. Zhai, F. Li, D. Huo, S. Wang, S. Liu, Z. Liu (2025). Can sustainable policies drive TOD effectively? Insights from multi-scenario simulations. *Journal of Environmental Management*, 380, 125067.

Patent

- **Patent for invention**: "A process clustering based cellular phone data dwell point identification"
- **Patent for invention**: "Method for assessing supply and demand of taxis based on a service acquisition index"
- **Patent for software**: "Railway congestion index evaluation system"
- **Patent for software**: "Public transport accessibility index service system"

Awards

Scholarships:

- Hebei University of Technology Scholarship 2017, 2018, 2019, 2020 (Top 20%)

Competitions and Activities:

- Student Innovation Award:"Research on Double-Deck Deformed Bridge for Traffic Congestion Relief"
- Second Prize of Hebei Province Engineering Survey Industry
- Third Prize of Hebei Province Surveying and Mapping Science

Honorary Tiles:

- Outstanding Graduate, Hebei University of Technology
- Outstanding Student Council President

Skills

Computer Skills: ArcGIS Pro, SPSS, Trans CAD, Vissim, Tableau, Python