

You are kindly invited to the public defense of the doctoral thesis of
Tanhua Jin

Transition to Shared Mobility: Usage Patterns, Challenges, and the Built Environment Effects

Monday, December 4 2023, 17:00 (CET)

Lecture room 2.4, Building S8, Campus Sterre, Ghent University, Krijgslaan 281, 9000 Ghent

Follow the livestream of the defense through this link: <https://ap.lc/ooeSJ>

After the defense, you are welcome to attend the reception. Please confirm your in-person attendance before November 29 by e-mail: tanhua.jin@ugent.be



Summary

As an innovative transportation mode enhancing urban mobility, shared mobility has proliferated in global cities. This dissertation is motivated by the need for evidence from the perspective of real-world trip records to understand better the utilization of shared mobility and how the built environment influences such usage in terms of multimodality, aging population, and the pandemic effect. Results highlight ridesourcing and bike-sharing show different patterns in connecting metro systems. Nonlinear and threshold effects are observed in built environment effects on metro-integrated shared mobility usage. Older adults show different preferences for built environments to use bike-sharing services compared to younger population, with route-level built environments gaining larger marginal effects. Moreover, the associations between most of the built environment factors and ridesourcing usage post pandemic differ from those pre pandemic. These findings can provide policy recommendations for shared mobility operators and urban planners to promote the use of shared mobility.

About the author

Tanhua Jin is a PhD candidate at the Department of Geography, Ghent University. She received her bachelor's degree and master's degree in Urban Planning from Southeast University (China). In 2020, Tanhua started her doctoral training program at the Social and Economic Geography group and was an academic guest at ETH Zurich from February to July 2023. She is also a candidate for the European Institute of Innovation and Technology Urban Mobility Doctoral Training Network. Her doctoral research is funded by the China Scholarship Council. Her research interests revolve shared mobility, transportation accessibility and equity. On these topics, she has published a series of papers in high-ranked journals listed in the Web-of-Science.

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