

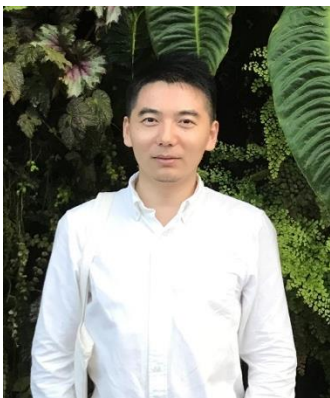
RESEARCH SEMINAR

DEPARTMENT OF GEOGRAPHY & RESOURCE MANAGEMENT
THE CHINESE UNIVERSITY OF HONG KONG

Shared Mobility and Built Environment

09 January 2025 (Thu)
4:30 – 6:00 pm (UTC+8)
Rm 221, Chen Kou Bun
Building, CUHK

The built environment impacts shared mobility across macro-, meso-, and micro-scales. Macro-level factors like city characteristics and transport network structures can influence the success of potential transportation modes. On the meso-level, neighborhood characteristics, such as building density, land use diversity, local network design, can determine individuals' mode choices, which has been investigated extensively in past studies. Micro-level elements, such as street characteristics, could influence route preferences of specific shared mobility models. Drawing upon my recent research on carsharing and e-scooter sharing, this presentation will explore the varying scales' effects on shared mobility, and discuss how city infrastructure, local neighborhood features, and specific street properties shape shared mobility patterns and route preferences. It aims to provide a comprehensive understanding of how the built environment at different scales can influence mobility usage.



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Prof. Zhang is an Assistant Professor in the Department of Urban Planning and Design. Prior to this, he worked in Singapore-MIT Alliance for Research and Technology, MIT Senseable City Laboratory and Sun Yat-Sen University. His scholarship bridges the information gap in sustainable urban and transportation policy-making with stochastic simulation and big data analytics. Broadly interested in urban data science, his recent work explores the sustainability of new shared mobility services, such as scooter sharing, carsharing and ridesharing. His research uses multi-source datasets to advance understanding of pressing urban and transportation issues.



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