

RESEARCH SEMINAR

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DEPARTMENT OF GEOGRAPHY & RESOURCE MANAGEMENT

URBAN STUDIES PROGRAMME

Transport Inclusivity and Resilience in High-Density Cities

08th January 2026 (Thu)

4:30 – 6:00 pm (UTC+8)

Rm 221, Chen Kou Bun Building, CUHK

High density transit oriented cities are often regarded as efficient sustainable and socially inclusive. However empirical evidence indicates substantial variation. Some systems lack resilience others fall short in inclusivity and many exhibit deficiencies in both. Empirical studies on transport inclusivity and resilience in compact transit dependent urban contexts with Hong Kong as a primary reference case are introduced. Drawing on a combination of qualitative evidence large scale behavioural data and non linear analytical methods patterns of suppressed mobility among older adults and other vulnerable groups are identified. These patterns are not captured by conventional accessibility metrics or linear models. Evidence from unplanned metro service disruptions and station area analysis further reveals uneven passenger adaptation and recovery across population groups and urban environments. Together these studies provide an integrated understanding of how inclusivity and resilience are jointly shaped by transport supply land use conditions and differential adaptation capacity in high density cities.



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Dr. Jiali Zhou is a Research Assistant Professor in the Department of Urban Planning and Design at the University of Hong Kong. His research centres on transport inclusivity and resilience in high density cities, with a particular focus on older adults and other vulnerable groups. He uses large scale behavioural data, qualitative evidence, simulation modelling, and machine learning to study suppressed mobility, passenger behaviour during service disruptions, and the interaction between transport systems and land use. He holds degrees from South China University of Technology, Carnegie Mellon University, and Northeastern University, and previously conducted research at the MIT Transit Lab.

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