

The Chinese University of Hong Kong Department of Geography and Resource Management

will present a seminar

by

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Connecting the City: A Three-dimensional Pedestrian Network of Hong Kong

Abstract:

In this seminar, I will present a research on how a three-dimensional pedestrian network reshapes connectivity and helps to integrate the built environment of the high-density city of Hong Kong. First, I elaborate on how a continuous three-dimensional network constitutes an entirely different urban morphological spatial hierarchy. Second, I construct a three-dimensional pedestrian network model and map the three-dimensional network for Hong Kong territory in GIS, finding that comparing with road network the three-dimensional pedestrian network will make a striking difference in walkability evaluations. Since road networks are widely used as a proxy for pedestrian analysis, I suggest that active travel optimisation planning, especially in high-density cities, requires a bespoke three-dimensional pedestrian network.

About the Speaker:

Dr. Guibo Sun is an Assistant Professor within Department of Urban Planning and Design at the University of Hong Kong. He was the winner of Royal Town Planning Institute (RTPI) Early Career Academic Award in 2019, commending his project of mapping the three-dimensional pedestrian network of Hong Kong. His research focuses on using urban interventions (e.g., new metro, urban renewal) as natural experiments to collect practice-based evidence on their impact on neighbourhood and population health. He is PI or Co-I of several GRF and NSFC research grants. He published articles in *Urban Studies*, *Environment and Planning B*, *Land Use Policy*, *Cities*, *Environment International*, and *Journal of Transport & Health*. He received his PhD from the Institute of Space and Earth Information Science, Chinese University of Hong Kong in 2014. After doctoral training, he had four-years research experiences as a research associate, postdoctoral fellow, and research assistant professor.

Language: English

Date: 12 March 2020 (Thursday)

Time: 4:30-6:00pm

ZOOM Meeting Link:

<https://cuhk.zoom.us/j/631231983>

(No password is required)

~All are Welcome~

For any inquiries, please contact Prof. Harry Lee (Tel. 3943 8478 or Email: harrylee@cuhk.edu.hk).