

# Understanding Urban Environment, Exposure and Equality (U3E) with Geospatial Data and Technology



Speaker: Dr. Bin Chen

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Zoom Link: <https://hkbu.zoom.us/j/97611649330>

## Abstract

Strong evidence has indicated that urban environments such as greenspace, blue space, air pollution, and heat stress significantly affect human health and well-beings. Therefore, the timely and accurate monitoring and assessment of different urban environments and the associated exposure and equality issues are critically important for understanding urban heterogeneities and developing urban planning and response strategies. This talk will introduce some of the recent research studies in the Future Urbanity & Sustainable Environment (FUSE) Lab working toward this direction of Urban Environment, Exposure, and Equality (U3E).

## Biography

Dr. Bin Chen is an Assistant Professor at the Faculty of Architecture, Director of the FUSE Lab at the University of Hong Kong. Before joining HKU, he worked as a Postdoctoral researcher at the University of California Davis. His research aims to leverage geospatial big data, data-model fusion, and advanced interdisciplinary approaches to investigate the interaction loops between urban environmental change, human activities, and public health, with the ultimate goal of contributing to sustainable and healthy cities. He has published more than 70 SCI journal articles, including Science, PNAS, Nature Communications, Nature Sustainability, Science Advances, Science Bulletin, RSE, EI, ISPRS P&RS, etc. He is the Associate Editor of Remote Sensing in Ecology and Conservation. He received the International Society for Digital Earth Young Scientist Award, Global Young Scientist Award, AAG Early Career Award in Remote Sensing, HKU-100 Scholar Award, ISPRS Best Young Author Award, and Li Xiaowen Remote Sensing Excellent Youth Award.