



DEPARTMENT OF CIVIL ENGINEERING
The University of Hong Kong



**SHENZHEN INSTITUTE OF
RESEARCH AND INNOVATION**
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DEPARTMENT OF CIVIL ENGINEERING

SEMINAR

**Urban Hydrology and Hydrometeorology:
the characteristics of flood-producing storms and how cities modify them**

Dr. Long Yang
Nanjing University
China

Date: July 21, 2022 (Thursday)

Time: 13:30 p.m. - 14:30 p.m.

Zoom: <https://hku.zoom.us/j/98320303028> (Meeting ID: 983 2030 3028)

Abstract

In this talk, I'll introduce a collection of my previous research on the impacts of urbanization on extreme rainfall and flooding. The results are examined through a combination of inter-comparison studies of rainfall and flooding from a diverse sample of urban watersheds in the US and China, mainly through modeling studies of extreme rainfall and flooding. The principal question that will be addressed in this study is: how does urbanization alter the regional hydroclimatology of extreme rainfall and flooding? The talk will be organized around questions that address urbanization impacts on the climatology of extreme rainfall and questions that address urbanization impacts on flood response in urban watersheds.

About the Speaker

Dr. Long Yang is an associate Professor at Nanjing University. He obtained his bachelor's degree and doctoral degree at Hohai University and Tsinghua University, respectively. He conducted postdoctoral studies at the department of Civil and Environmental Engineering, Princeton University since 2014-2019 before he joined School of Geography and Ocean Science at Nanjing University. Dr. Yang is a flood hydrologist. His research is mainly dedicated to developing predictive understandings of extreme and flooding at multiple scales and various settings.

- ALL ARE WELCOME -