

Risk, resilience and sustainability informed integrity management of infrastructure systems

A trio spaces perspective of urban resilience

Speakers: Dr. Nan Li, Prof. Dongping Fang; Tsinghua University

Host: Prof. Da-Gang Lu; Harbin Institute of Technology **Time:** 7th Nov 2022, 15:00 – 16:00 Beijing Time

Webinar outline:

Natural, technical and man-made disasters pose enormous threats to the safety and stability of cities. Urban resilience focuses on the ability of cities to resist, recover from and adapt to disasters. Meanwhile, the urban system and its subsystems are highly complex and interdependent, therefore they can be viewed as a system of systems in the tri-spaces of physical, societal and cyber spaces. Only by optimal allocation of resources among different sub-systems of the city and different phases of its resilience capacity building can urban resilience be ensured and enhanced in the most effective manner. The team at Tsinghua University has been studying urban resilience from a trio-space perspective, investigating infrastructure resilience, healthcare system resilience, economic system resilience and community resilience. The outcomes can provide new insights into the improvement urban resilience.

About the speaker:

Prof. Dongping Fang is Dean of School of Civil Engineering and Executive Director of Institute for Future Cities and Infrastructures at Tsinghua University, and national Changjiang Distinguished Professor. Prof. Fang's research focuses on construction safety and urban resilience. He has published more than 200 books and papers. He has been honored as Visiting Professors in Australia, Sweden and the UK, and once served as the Vice President of CIB. He has also been invited as keynote speakers for many international conferences such as CIB World Building Congress and Urban Transitions Global Summit.

Dr. Nan Li is Associate Professor and Assistant Dean at the Department of Construction Management, School of Civil Engineering, Tsinghua University. He is also the Director of the Institute of Sustainable Urbanization at Tsinghua. Dr. Li's research focuses on urban and infrastructure resilience. He has published over 90 papers, which have received over 4500 citations. He was recognized by Forbes China's "30 Under 30" list, and MIT Technology Review's "35 Innovators Under 35 in China" list.



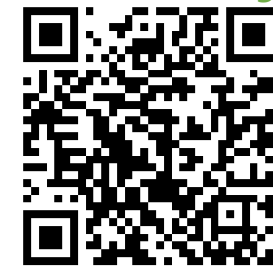
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