

Webinar Program



5th BJUT-IIEES-RCECWA Joint Webinars “Urban Infrastructure Risk and Resilience”

Date: Wednesday, 12 November 2025

Time: 9:00-11:30 AM Tehran Time; 13:30-16:00 PM Beijing Time

Beijing University of Technology (BJUT), International Institute of Earthquake Engineering and Seismology (IIEES) and UNESCO Regional Education and Research Center on Earthquake Risk and Resilience in West and Central Asia (RCECWA) have initiated scientific collaboration, focusing on the earthquake risk prevention and mitigation for urban areas and infrastructure. This partnership has initiated a webinar series to share research across several critical domains, including earthquake strong ground motion, safe and resilient infrastructure, the construction industry, advanced materials, and seismic isolation and damping devices, as well as insurance, disaster economy, and disaster risk management. The upcoming fifth webinar, "Urban Infrastructure Risk and Resilience," will be held on Wednesday, 12 November 2025.

9:00 – 9:15 (Tehran time) 13:30 – 13:45 (Beijing time)	Opening Statement on Workshop Objective: <i>Mohsen Ghafory-Ashtiany: Prof. of IIEES (Iran) and Guest Professor of BJUT (China)</i> <i>Benwei Hou: Associate Prof., College of Architecture and Civil Engineering (CACE), BJUT(China)</i>
9:15 – 11:15 (Tehran time) 13:45 – 15:45 (Beijing time)	Presentations: 1. Lishan Sun (Prof. and Dean of College of Metropolitan Transportation, BJUT): Overview of BJUT Research on Transportation Resilience 2. Vahideh Shirvani (IIEES Postdoc at IIASA), Mohsen Ghafory-Ashtiany (Prof. of IIEES), and Nadejda Komendantova (Program Director of Cooperation and Transformative Governance at IIASA): Developing a System Model to Evaluate Risk of Urban Transportation Network 3. Liang Liu (Assoc. Prof. of BJUT-CACE): Analysis of Bridge Vulnerability and Functionality under Extreme Flood 4. Akbar Vasseghi (Assoc. Prof. of IIEES-Structural Engr. Research Center): A Novel Self-Centering/Rocking System for Bridge Structure 5. Benwei Hou (Assoc. Prof. of BJUT-CACE): Seismic Resilience Assessment of Water Treatment Plants Considering the Damages and Interdependencies of Internal Facilities 6. Shahriar Hamed (Research Assistant, IIEES): Hybrid Simulation-based Framework for the Evaluation of the Resilience of Production Plants Under Natural Hazards Note: Each Lecture is 15 minutes and follows by 5 minutes Q/A
11:15 - 11:30 (Tehran time) 15:45 – 16:00 (Beijing time)	Discussion: Moving Forward Moderated by Mohsen Ghafory-Ashtiany and Benwei Hou

Microsoft Teams online meeting links:

<https://teams.live.com/join/9391933048007?p=v8NccTyiAtKWaWqkqC>

