

Webinar on: Earthquake Risk Reduction for Cultural Heritage Sites

Heritage sites play a crucial role in the socio-economic development of communities and hold exceptional value in terms of history, art, and science. However, many of these sites are vulnerable to natural hazards of geophysical or hydro-meteorological origin. Earthquakes, in particular, present a significant risk due to their unpredictable nature and potential for sudden, widespread destruction.

This webinar provides a platform for discussions on earthquake risk assessment, mitigation, and the management of cultural heritage sites. Presenters include specialists from the Regional Education and Research Center on Earthquake Risk Management and Resilience for West and Central Asia (RCECWA), the United Nations Educational, Scientific and Cultural Organization (UNESCO), the College of Civil Engineering at Fuzhou University (FZU), and the International Institute of Earthquake Engineering and Seismology (IIEES). Based on the outcomes of this webinar, new opportunities for collaboration on this subject are anticipated to be outlined.

Wednesday, 28 May 2025

Time (Tehran)	Title	Speaker
09:00-09:15	Opening Remarks	Kambod Amini Hosseini (IIEES, RCECWA), Soichiro Yasukawa (UNESCO), Bruno Briseghella (FZU)
09:15-09:30	A Systematic Approach for Evaluating the Seismic Vulnerability of Heritage Sites	Mohsen Ghafory-Ashtiany (IIEES, RCECWA)
09:30-09:45	Seismic Assessment of the Leaning Tower of Pisa	Camillo Nuti (Roma Tre University & FZU)
09:45-10:00	Seismic Assessment and Retrofitting of Heritage Buildings	Maria de America Bendito Torija (DRR Unit, UNESCO)
10:00-10:15	Seismic Assessment of Tulou Buildings in Fujian Province	Bruno Briseghella (FZU)
10:15-10:30	Enhancing Seismic Resilience of Heritage Structures through Base Isolation Techniques	Mansour Ziaefar (IIEES, RCECWA)
10:30-10:40	Coffee break	
10:40-10:55	Seismic protection of historical buildings through Vibration Barrier (VIBA)	Pierfrancesco Cacciola (FZU)
10:55-11:10	Post Disaster Needs Assessment (PDNA) in the Culture Sector	Kambod Amini Hosseini (IIEES, RCECWA)
11:10-11:25	Seismic Assessment of Historical Timber Buildings	Shaofei Jiang (FZU)
11:25-11:40	Culture in Emergencies: Case Studies from the Heritage Emergency Fund	Joseph Heap (CLT, UNESCO)
11:40-11:55	Seismic Assessment of Rocking Structures	Alessandro Contento (FZU)
11:55-12:10	Seismic Assessment and Retrofitting of Buildings with Historical Value: The Challenge of Validation	Abdolreza S. Moghadam (IIEES, RCECWA)
12:10-12:25	A Multi-Dimensional Vulnerability Assessment of Heritage Sites (Considering Tangible and Intangible Factors)	Erfan Firuzi (IIEES, RCECWA)
12:25-12:45	Concluding Remarks	



Microsoft Teams online meeting links:

<https://teams.live.com/join/9352282731830?p=qNnijs7VrhvNBgNOe5>