Background and Objectives

Severe earthquakes have caused massive casualties and economic losses. The lessons learned from these disasters, however, have led to a significant evolution of earthquake engineering. For example, the 1994 Northridge and the 1995 Kobe earthquakes directly initiated and promoted performance based earthquake engineering. Various research topics have emerged in the wake of recent earthquakes, such as the 2008 Wenchuan earthquake, the 2010 Haiti earthquake, Chile earthquake, and the 2011 Japan Tohoku earthquake. These topics include societal resilience, multi-hazard threat mitigation, life-cycle design, and so on. As a result, earthquake engineering is on the threshold transformative advances that will lead to unprecedented levels of performance of modern structures. To support these advances, researchers need to be educated in a multi-disciplinary setting that provides a much wider perspective. Considering this necessity, the two Foundations are initiating an international forum to provide the young researchers a platform where information can be freely exchanged, knowledge advanced, and collaboration started. The Forum is named after Professor LIU Huixian, the founder of earthquake engineering in China, in honor of his extraordinary contribution to the development of earthquake engineering.

SECOND ANNOUNCEMENT

1st Huixian International Forum on Earthquake Engineering for Young Researchers

August 16-19, 2014
Harbin, China

Sponsors

Huixian Earthquake Engineering Foundation (China)

US-China Earthquake Engineering Foundation (USA)

Organizer

Institute of Engineering Mechanics,
China Earthquake Administration

Advisory Committee

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LI Zhaoyan BAI Bing ZHANG Guixin
LIN Xuchuan

Forum Language

English

Scope

1. Engineering seismology, strong motion observation, and earthquake early warning
2. Soil dynamics, geotechnical engineering, and underground engineering
3. Seismic protection of key infrastructure
4. Novel building structure systems and seismic design philosophy
5. Seismic hazard simulation, estimation, and risk evaluation
6. Seismic secondary hazards and multi-hazard coupling effects

Preliminary Sessions

1. Engineering seismology, strong motion observation, and earthquake early warning
2. Soil dynamics, underground engineering and hydraulic engineering
3. Nuclear earthquake engineering
4. Seismic protection of key lifeline infrastructure
5. Novel structural material and composite structural components
6. Steel structures and large-space structures
7. Novel building structure systems and seismic design philosophy
8. Seismic isolation and structural control techniques
9. Seismic hazard simulation and estimation
10. Advanced experimental methods, health monitoring and system identification
11. Seismic secondary hazards and multi-hazard coupling effects

Priliminary Program at a Glance

August 16		Registration
August 17	Morning	Opening Ceremony and Parallel Session
	Afternoon	Parallel Session
	Evening	Banquet
August 18	Morning	Parallel Session
	Afternoon	Parallel Session, Discussion and Closing Ceremony

Important Dates

Deadline for Paper Submission : May 31, 2014
Deadline for Early Registration: June 30, 2014

Please fill the reply form if you are interested in joining this Forum, and send it to wangtao@iem.ac.cn before March 31, 2014.

Registration Fee

100 USD or 600 RMB

Venue

The Forum will be held at Institute of Engineering Mechanics, CEA in Harbin, China.

Contact Information

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