
One Year after 2011 Great East Japan Earthquake - International Symposium on Engineering Lessons Learned from the Giant Earthquake -

March 3-4, 2012
Kenchiku-Kaikan, Tamachi
Tokyo, Japan

Organized by

Japan Association for Earthquake Engineering
Architectural Institute of Japan
Japan Society of Civil Engineers
Japanese Geotechnical Society
The Japan Society of Mechanical Engineers
Seismological Society of Japan

under the support of

Ministry of Education, Culture, Sports, Science and Technology, Ministry of Land, Infrastructure, Transport and Tourism, Ministry of the Environment, Science Council of Japan, WFEO Disaster Risk Management Committee, National Institute for Earth Science and Disaster Prevention, National Institute for Land and Infrastructure Management, Public Works Research Institute, Building Research Institute, Port and Airport Research Institute, and Central Research Institute of Electric Power Industry

The Great East Japan earthquake on March 11, 2011 was an M_w 9.0 earthquake extending 500km north-south and 250km east-west, the 4th largest earthquake ever recorded in the world. The earthquake resulted in extensive damage in the wide areas along the Pacific coast including Tokyo Metropolitan area. The number of victims and missing people was nearly 20,000. This was much larger than the victims in 1995 Kobe earthquake.

Damage was developed by ground motion, tsunami, liquefaction and fire. Ground motion induced damage was generally less because of the past seismic measures, but there are a number of lessons. Tsunami-induced damage and liquefaction-induced damage were extensive. Serious accident at a nuclear power plant made the problem complex.

Since a variety of damage developed at wide area, there are a number of lessons learned from this earthquake. Because 2004 Indian Ocean earthquake, 2008 Wenchuan earthquake, 2010 Maule earthquake, and 2011 Christchurch earthquake recently occurred, it is extremely important to share information among researchers and practitioners for mitigating earthquake risk in the earthquake prone countries.

Topics of particular interest include, but not limited to:

- Fault mechanism
- Ground motions
- Tsunami
- Liquefaction
- Fire
- Damage of soil structures
- Damage of buildings
- Damage of transportation facilities
- Damage of river hydraulic structures and dams
- Damage of lifeline facilities
- Damage of machineries and power generation facilities
- Damage by fires
- Evacuation
- Emergent measures
- Removal of debris
- Repair
- Restoration
- Other recent earthquakes such as 2004 Indian Ocean, 2008 Wenchuan, 2010 Maule, and 2011 Christchurch earthquakes

Key note presentations, organized sessions, oral & poster sessions will be conducted.

TECHNICAL SITE VISIT

A two-day site visit to the damaged areas will be conducted on March 1 and 2, prior to the Symposium.

IMPORTANT DATES

- Deadline for submission of abstracts:
November 15, 2011
Send [a one page abstract](#) and [a cover sheet](#) in PDF format to the following e-mail address

eqsymp@event.jaee.gr.jp

- Notification of acceptance:
November 30, 2011
- Deadline of submission of full manuscript
February 1, 2012
Send [your manuscript](#) to the following e-mail address

eqsymp@event.jaee.gr.jp

CONFERENCE PROCEEDINGS

The Conference Proceedings in digital format will be edited together with the hard copy of the Abstract Volume.

REGISTRATION

- Registration fee of the Symposium is USD 300 (USD 120 for students). Registration has to be completed when full papers are submitted by February 1, 2012. On-site registration is accepted only when seats are available. Charges for attending the symposium, presentations, a proceedings in digital format and an abstract volume are included.
- Registration fee of the technical site visit to damaged areas (March 1 and 2) is USD 600. The registration has to be completed by February 1, 2012. However on-site registration is acceptable only if bus seats are available. Charges for a round trip ticket of Shin-kan-sen between Tokyo and Sendai Stations, bus, one night stay in a hotel, and lunch for two days are included. Tentatively, the tour will start at 8:30 at Tokyo Station on March 1 and complete at 19:00 after returning to Tokyo Station on March 2.

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Abstracts as well as any inquiries &
questions should be directed to

eqsymp@event.jaee.gr.jp

Web Page

Visit
http://www.jaee.gr.jp/event/seminar2012/eqsympo/Great_East_Japan_EQ_Symposium.pdf

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