

CALL FOR PAPERS Second Announcement

4th INTERNATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING (4ICEE)

Promoting International
Collaborations on
Earthquake Engineering Frontier
and Mitigation Practice

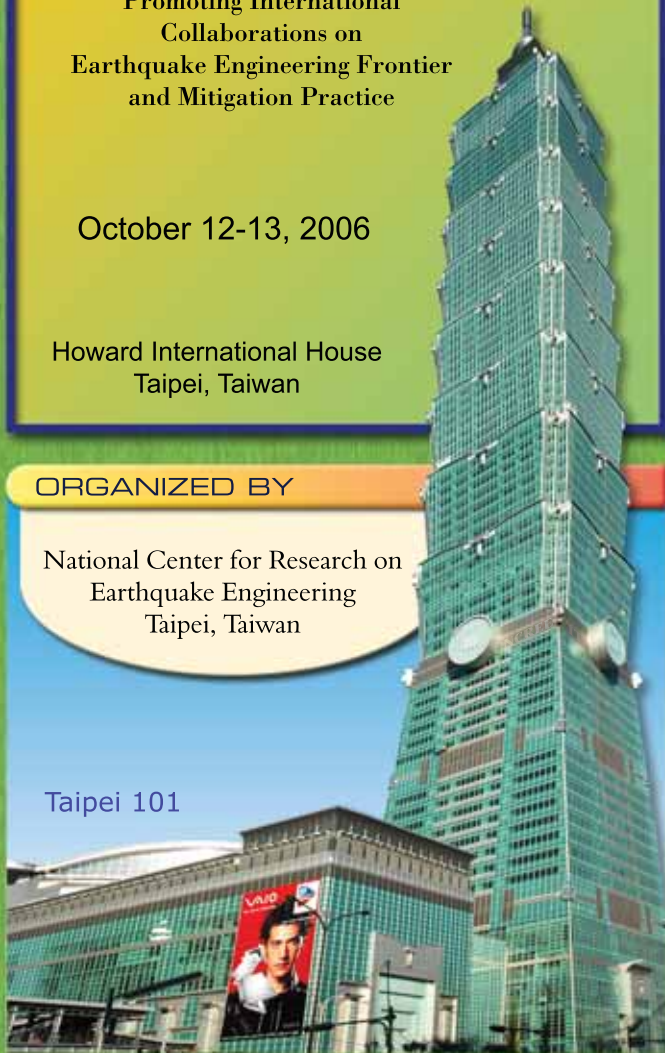
October 12-13, 2006

Howard International House
Taipei, Taiwan

ORGANIZED BY

National Center for Research on
Earthquake Engineering
Taipei, Taiwan

Taipei 101



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Idea and Practice of Seismic Safety Evaluation of High Arch Dams in China

Jae-Kwan Kim (Korea)

KOCED Program: Vision, Implementation and Lessons Learned

Chin-Hsiung Loh (Taiwan)

Structural Health Monitoring: Progress, Potential and Challenges

Masayoshi Tomizuka & Gregory L. Fennes (USA)

Sensing Technologies for Enhanced Monitoring and Control of Engineering Systems

Akira Wada (Japan)

Next Step is to Select Good Structures by People

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INTRODUCTION

The formulation of the International Conference on Earthquake Engineering originated from the 2000 China-US Millennium Symposium on Earthquake Engineering held in Beijing, China, with an aim to chart a clear course and to develop a concrete plan for US-China cooperative research in the field of earthquake engineering and hazard mitigation. In the year of 2001, based on conclusions of the Symposium, a unique international professional consortium called Asian-Pacific Network of Centers for Earthquake Engineering Research (ANCER) was established in Seoul, Korea. ANCER was founded by seven national earthquake engineering research centers, including Korean Earthquake Engineering Research Center, Institute of Engineering Mechanics of China Seismological Bureau, Multidisciplinary Center for Earthquake Engineering Research of USA, Mid-America Earthquake Center of USA, Pacific Earthquake Engineering Research Center of USA, Disaster Prevention Research Institute, Kyoto University of Japan, and National Center for Research on Earthquake Engineering of Taiwan. The aim of ANCER is to make significant impacts on current seismic hazard mitigation practice through cooperative research activities that can be best advanced on a center-to-center basis over a large geographical area of common interest in the related fields.

In 2002 the International Conference on Advances and New Challenges in Earthquake Engineering Research (ICANCEER 2002), serving as the first Annual ANCER Meeting as well, was held in Harbin and Hong Kong, China to facilitate interchange of knowledge, ideas, and results of research and practical experience among international researchers. The 3rd International Conference on Earthquake Engineering was held in Nanjing, China to brace collaborative efforts among ANCER members and researchers from other part of the world with a theme of "New Frontier and Research Transformation."

The Fourth International Conference on Earthquake Engineering (4th ICEE) is now proposed to further promote international collaborations and to facilitate exchange of state-of-the-art and state-of-the-practice research findings in view of the needs for pre-earthquake preparedness, emergency response, and post-earthquake recovery. The 4th ICEE will cover all aspects of earthquake engineering, structural control, smart structures and structural health monitoring to integrate enabling technologies to substantially improve the hazard resilience ability of civil infrastructure systems.

CONFERENCE TOPICS

- **Engineering seismology:** seismicity, ground and site effects, and seismic hazard analysis
- **Geotechnical engineering:** foundations, ground-failure, liquefaction, and underground structures
- **Structural engineering:** materials, structural systems and elements, structural response, evaluation and retrofit of buildings, bridges, industrial, heritage buildings, and special structures
- **Advanced technologies:** structural control, smart materials/structures, and health monitoring
- **Lifeline systems:** design and analysis, network assessment, mitigation, components and systems
- Nonstructural components and contents
- **New design criteria and methods:** seismic codes and standards, applications
- **Earthquake engineering practice:** recent projects, design, and construction
- **Earthquake loss estimation:** vulnerability analysis, risk assessment and management
- Expanding earthquake technologies to multiple hazard protection of infrastructure systems
- **Information and computing technology:** simulation, modeling, earthquake wave generation, computer graphics, database information, GIS
- Lessons from recent earthquakes and tsunamis
- **Others:** socio-economic impacts, seismic awareness, preparedness, recovery and education, earthquake-induced fire

CALL FOR PAPERS

Prospective authors are invited to submit abstracts of no more than 500 words. Submission of abstracts should be made on the conference website.

CONFERENCE WEBSITE

The conference website is located at
<http://icee2006.ncree.org.tw/>

This website will be constructed and continuously updated with the latest conference information.

IMPORTANT DEADLINES

Submission of abstracts: 2006/2/1
Notification of abstract acceptance: 2006/4/1
Submission of final paper: 2006/7/31

CONFERENCE VENUE

The conference will be held at the Howard International House, Taipei.

PUBLICATION OF PROCEEDINGS

Papers presented in the conference will be published in the Proceedings of 4ICEE.

REGISTRATION FEE

The registration fee is tentatively set at US\$300.00 (US\$250.00 for early registration and US\$150.00 for students) which includes attendance, lunch, welcoming party, and proceedings.

4ICEE IN TAIWAN	Before 2006/7/31	After 2006/8/1
Registration Fee for full delegates	US\$250.00	US\$300.00
Registration Fee for full-time students	US\$150.00	US\$150.00
Accompanying Person Fee	US\$150.00	US\$150.00

LANGUAGE

English will be used as official language in the conference.

INQUIRY

All inquiries relating to the conference should be addressed to:

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