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主旨：本院國家地震工程研究中心與台灣大學於103年10月16日~18日舉辦「第五屆亞洲地震工程研討會」(5ACEE)，隨函檢送海報乙張與傳單五份，敬請惠予張貼公告，並轉知貴單位所屬人員踴躍投稿報名參加，敬請 查照。

說明：

- 一、研討會投稿詳情及會議主題如附件，線上註冊投稿網址 [http://
/acee2014.ncree.org.tw](http:///acee2014.ncree.org.tw)。
- 二、惠請貴單位轉發本研討會訊息至貴單位所屬人員。
- 三、為鼓勵國內學者踴躍投稿，國內與會者享本研討會早鳥註冊之優惠費率(新台幣5000元)，學生則依學生優惠費率(新台幣3000)收費。

正本：國立台灣大學土木系、暨南國際大學土木系、中原大學土木系、中央大學土木系、台灣科技大學營建系、台北科技大學土木系、交通大學土木系、成功大學土木系、中興大學土木系、萬能科技大學土木系、嘉義大學土木與水資源工程系、大漢技術學院土木系、宜蘭大學土木工程系、聯合大學土木系、中華科技大學土木工程學系、屏東科技大學土木系、建國科技大學土木系、逢甲大學土木系、義守大學土木系、明新科技大學土木系、中華科技大學建築工程系、淡江大學土木系、朝陽科技大學營建系、高雄第一科技大學營建工程系、健行科技大學土木系、高苑科技大學土木系、金門大學土木系、東南科技大學營建科技

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系、台灣大學工學院地震工程研究中心、中央大學災害防治研究中心、銘傳大學都市規劃與防災學系、台灣大學地質學系、中央大學地球科學系、中央大學應用地質研究所、中正大學地球與環境科學系、臺灣海洋大學應用地球物理研究所、臺灣師範大學地球科學系、成功大學地球科學系、中國文化大學地質學系、交通部公路總局、交通部臺灣區國道高速公路局、交通部臺灣區國道新建工程局、交通部高速鐵路工程局、交通部鐵路改建工程局、臺北市政府捷運工程局、高雄市政府捷運工程局、經濟部中央地質調查所、交通部中央氣象局、行政院原子能委員會、行政院原子能委員會核能研究所、台灣電力公司、臺北自來水事業處、內政部營建署、內政部建築研究所、行政院公共工程委員會、行政院災害防救委員會、中國土木水利工程學會、中華民國土木技師公會全國聯合會、中華民國地球物理學會、社團法人中華民國地質學會、台灣省土木技師公會、台北市土木技師公會、高雄市土木技師公會、新北市土木技師公會、中華民國結構工程技師公會全國聯合會、台灣省結構工程技師公會、台北市結構工程工業技師公會、高雄市結構工程工業技師公會、中華民國建築師公會全國聯合會、台灣省建築師公會、台北市建築師公會、高雄市建築師公會、社團法人台北市大地工程技師公會、中華民國大地工程技師公會、中華建築隔震消能構造協會、林同棧工程顧問股份有限公司、亞新工程顧問股份有限公司、中鼎工程股份有限公司、台灣世曦工程顧問股份有限公司、財團法人中華顧問工程司、中興工程顧問股份有限公司、財團法人中興工程顧問社、潤弘精密工程事業股份有限公司、中國鋼鐵結構股份有限公司、中華民國鋼結構協會、中興保全股份有限公司、財團法人住宅地震保險基金

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Important Dates

Deadline for submission of abstract (extended) 2014.05.31
Opening date for online registration 2014.04.30
Notification of abstract acceptance 2014.06.30
Deadline for submission of full manuscript 2014.08.15
Conference 2014.10.16~18

Language

English will be used as official language in the conference.

Inquiry

All inquiries relating to the conference should be addressed to:

ACEE2014 Conference Secretariat
National Center for Research on Earthquake Engineering
200, Sec. 3, Xinhai Rd., Taipei 10688, Taiwan
E-mail: acee2014@ncree.narl.org.tw
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Conference Website

The conference website is located at
<http://acee2014.ncree.org.tw/>
The conference website will be continuously updated with the latest conference information.

5th Asia Conference on Earthquake Engineering

第五屆亞洲地震工程研討會

SACEE

October 16-18, 2014 Taipei, Taiwan

Call for Papers



NAR Labs

National Applied Research Laboratories

National Center for Research on Earthquake Engineering

National Taiwan University

Introduction

The Asia Conference on Earthquake Engineering (ACEE) was initiated by the Associations of Structural Engineers of Philippines (ASEP) in 2004, to provide a forum for the academics, researchers and the professionals involved in various aspects of earthquake engineering. The first two conferences were held in the Philippines, and were attended by hundreds of participants, mostly from the home country.

The third ACEE was held in Bangkok, Thailand, Dec. 1-3, 2010, and was co-organized by four organizations, i.e. the Asian Institute of Technology (AIT), the Center for Urban Earthquake Engineering (CUEE) in Tokyo Institute of Technology (TIT), The Engineering Institute of Thailand (EIT) and the Earthquake Engineering Society of Korea (EESK). During the third ACEE, nearly 100 papers were received from more than 20 countries and nearly 100 participants out of nearly 200 conferees were practicing engineers, involved in various aspects of earthquake engineering.

The previous ACEE, the fourth ACEE, was jointly held with the Ninth International Conference on Urban Earthquake Engineering (9CUEE), called the 9CUEE & 4ACEE Joint Conference, and was organized by the Center for Urban Earthquake Engineering (CUEE) in Tokyo Institute of Technology (TIT). Thanks to the successful combination of the 9CUEE and 4ACEE, there were about 300 papers presented in the 9CUEE & 4ACEE Joint Conference.



The Fifth Asia Conference on Earthquake Engineering (5ACEE) will be held at Howard International House in Taipei, Taiwan from October 16 (Thursday) to 18 (Saturday), 2014 with the theme "Earthquake Engineering for Resilient Communities". This conference will be jointly organized by the National Center for Research on Earthquake Engineering (NCREE) and the National Taiwan University (NTU). 5ACEE will provide an excellent forum to bring together researchers, professionals, engineers, scientists and academics to promote and exchange new ideas and experiences in the field of earthquake engineering.

Considering the serious near-fault seismic disaster observed during the 1999 Chi-Chi Earthquake, NCREE is on the way to setting up a new long-stroke high-velocity shaking table system in a new laboratory of Tainan-branch to develop near-fault seismic resistance technology. The construction of the new laboratory in Tainan will start in 2015 and will hopefully be completed in 2017. On the first day of the conference, NCREE is going to host a special forum to commemorate the 15th anniversary of the Mw-7.6 Chi-Chi Earthquake. Interested researchers are welcome to join the discussion in the forum and the conclusions will become the basis for planning future research topics.

Conference Theme and Topics

Theme: Earthquake Engineering for Resilient Communities

1.Engineering seismology

Source characterization and simulation, Hazard assessment, Ground motion studies, Seismic networks and monitoring, Site effects, Early warning, Near-fault effect, Earthquake precursor

2.Tsunamis

Hazard assessment, Earthquake sources, Wave propagation, Impact, Early warning

3.Geotechnical earthquake engineering

Ground failure and liquefaction, Soil-structure interaction, Seismic design of foundations

4.Innovative design of new structures

Materials, Buildings, Bridges, Critical facilities, Non-structural components

5.Seismic evaluation and retrofit of existing structures

Materials, Buildings, Bridges, Critical facilities, Non-structural components

6.Infrastructure and lifeline systems

Risk Assessment, Multi-hazards

7.Urban risk assessment and emergency management

Social and economic aspects, Rapid structural assessment, Management policies, Loss estimation, Vulnerability analysis, Risk assessment and management

8.Seismic issues on nuclear power plants

9.Others

Call for Papers

Prospective authors are invited to submit abstracts of no more than 400 words. Submission of abstract should be made on the conference website. The format for the layout of the digital files should follow the format instructions.

Keynotes

Masayoshi Nakashima

Professor, Kyoto University, Japan

Kuo-Fong Ma

Professor, National Central University, Taiwan

Chin-Hsiung Loh

Professor, National Taiwan University, Taiwan

Kojiro Irikura

Professor, Kyoto University, Japan

Baitao Sun

Professor, Institute of Engineering Mechanics of the China Earthquake Administration, China

Jack Moehle*

Professor, University of California, Berkeley, US

Norman Abrahamson

Engineering Seismologist, Pacific Gas and Electric Co. (PG&E), US

Tso-Chien Pan

Professor, Nanyang Technological University, Singapore

Kazuhiko Kasai

Professor, Tokyo Institute of Technology, Japan

Shunsuke Otani*

University of Tokyo, Japan

*Note: * To be confirmed*

Publication of Proceedings

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

Registration Fee

The registration fee is set at NT\$ 7500 (NT\$ 5000 for early registration and NT\$ 3000 for students) which includes attendance, lunch, welcome reception, conference banquet and proceedings.

Registration Fee for Full Delegates: NT\$ 7500 (about US\$ 250)
Early Bird (before 8/15): NT\$ 5000 (about US\$ 167)

Registration Fee for Full-time Students: NT\$ 3000 (about US\$ 100)
Note: USD is approximate 30 NTD

Conference Venue

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

