



5th International Conference on Advances in Experimental Structural Engineering

November 8-9, 2013

National Center for
Research on Earthquake
Engineering, Taipei,
Taiwan



Introduction

Using the experimental results, the engineers and researchers can better understand the actual structural behaviors. Unexpected experimental results often become new research topics. Thus, structural experiments are irreplaceable in verifying any new concepts or ideas for structure design. Structural experimentation has become such an important work that more and more research efforts have been devoted to the various aspects of the testing technology itself. For these reasons, the objectives of International Association for Experimental Structural Engineering (IAESE) have been to enhance the research and international collaboration on the state-of-the-art technologies for structural experimentation. It also promotes the application of these technologies to structural engineering. To this end, four dedicated conferences (1AESE July 2005 in Nagoya, Japan, 2AESE December 2007 in Shanghai, China, 3AESE October 2009 in San Francisco, California, USA, and 4AESE June 2011 in Ispra, Lombardy, Italy) have been successfully held since 2005 and experts from around the world were convened. They have learned and shared from each other their experiences, visions, newest findings and achievements. The 5th International Conference on Advances in Experimental Structural Engineering (5AESE) will be held in Taipei, Taiwan on 8-9 November, 2013. This event is expected to provide a unique environment to expedite further advancement of structural experimentation and engineering. The 5AESE is being organized by National Center for Research on Earthquake Engineering (NCREE) in Taiwan.

Themes

- Novel testing, measuring, and monitoring techniques in structural experiments
- Real time structural testing techniques
- Hybrid simulations
- Modeling and numerical simulation in predicting and interpreting experimental results
- Standardization of testing procedures
- Application of experimental results to structural design and analysis
- Data management and information systems for structural experimentation
- Design, construction, and utilization of novel testing facilities
- Software and hardware development for structural experiments

Keynote Speeches

- Billie F. Spencer Jr. (UIUC, U. S.)
- Oreste Bursi (Uni. of Trento, Italy)
- Shyh-Jiann Hwang (NTU, Taiwan)
- Kazuhiko Kasai (Tokyo Tech., Japan)
- David Lau (Carleton Uni., Canada)
- Xilin Lu (Tongji Uni., China)
- Steve Mahin (UCB, U. S.)
- Paolo Negro (ELSA, E. U.)
- Andrei M. Reinhorn (Uni. at Buffalo, U. S.)

Organized by NCREE, Taipei, Taiwan
Sponsored by



Scientific Committee

- Bousias, Stathis N. (Uni. of Patras, Greece)
- Calado, Luis (IST, Portugal)
- Chang, Kuo-Chun (NTU, Taiwan)
- Elnashai, Amr (MAE & UIUC, U. S.)
- Fu, Gongkang (WSU, U. S.)
- Ge, Hanbin (Meijo Univ., Japan)
- Itoh, Yoshito (Nagoya Univ., Japan)
- Kasai, Kazuhiko (Tokyo Tech., Japan)
- Lau, David (Carleton Univ. Canada)
- Lu, Xilin (Tongji Univ., China)
- Mahin, Stephen A. (UCB, U. S.)
- Mashiri, Fidelis R. (UWS, Australia)
- Mazars, Jacky (INPG, France)
- Mazzolani, Federico M. (Univ. of Naples Federico II, Italy)
- Mouzakis, Harris P. (NTUA, Greece)
- Nakashima, Masayoshi (NIED, Japan)
- Negro, Paolo (ELSA, IPSC, JRC, Italy)
- Nie, Jianguo (Tsinghua Univ. China)
- Rajcic, Vlatka (University of Zagreb, Croatia)
- Spencer, B. F. (UIUC, U. S.)
- Tsai, Keh-Chyuan (NTU, Taiwan)
- Ventura, Carlos E. (UBC, Canada)
- Usami, Tsutomu (Meijo Univ., Japan)
- Wu, Bin (Harbin Institute of Technology, China)
- Xiao, Yan (USC, U. S.)

Local Organizing Committee

- Chang, Kuo-Chun (Chair) (NTU)
- Chen, Cheng-Chih (NCTU)
- Cheng, Chin-Tung (NKFUST)
- Chou, Chung-Che (NTU)
- Chu, Shih-Yu (NCKU)
- Hwang, Jenn-shin (NTUST)
- Hwang, Shyh-Jiann (NTU)
- Leu, Liang-Jenq (NTU)
- Liao, Wen-I (NTUT)
- Lu, Lyan-Ywan (NKFUST)
- Tsai, Keh-Chyuan (NTU)

Important Dates

Abstract submission	28 February, 2013
Abstract acceptance	15 April, 2013
Registration opens	Aug. 01, 2013
Paper submission	15 August, 2013

Language & Publication

English will be the official language in 5AESE.
Accepted papers will be included in the conference CD-ROM, which will be available at the beginning of the conference.

Venue

The conference will be held in National Center for Research on Earthquake Engineering, Taipei, Taiwan.

Fee

\$200 USD covers conference CD-ROM, welcome reception (lunch on 8 November), banquet (dinner on 9 November), lunch on 9 November, and refreshments during the conference.

Accommodation

A number of rooms in Howard Civil Service International House have been set aside for conference delegates at special rates.

Howard website:

http://intl-house.howard-hotels.com/CT_AsiaPacific2.php

Preliminary Program

8 Nov. (Fri.)	Morning	Registration, Opening ceremony, Keynote speeches
	Noon	Welcome reception
	Afternoon	Parallel sessions
	Evening	Welcome banquet
9 Nov. (Sat.)	Morning	Keynote speeches and parallel sessions
	Afternoon	Parallel sessions and Closing ceremony

Contact

The most updated information about the conference can be found at the conference website:

<http://aese5.ncee.narl.org.tw/>

All inquiries relating to the conference are welcomed to be addressed to:

Secretary Dr. Kung-Juin Wang
Address 200, Sec. 3, Xinhai Rd., Taipei, Taiwan
Phone +886-2-6630-0823
Fax +886-2-6630-0858
Email 5aese@ncee.narl.org.tw