



## 國震中心台南實驗室開幕啟用研究合作專家學者論壇 NCREE Tainan Laboratory Grand Opening Forum

Topic 1: Structural safety under near-fault and/or multiple hazards (earthquake, wind, flood, fire, etc.) threat, and disaster mitigation strategies/technologies for enhancing resilience

Role in Forum	Name	Category	Presentation Title	Affiliation	Country
<b>Keynote Speaker</b>	<b>Jack P. Moehle</b>		Seismic Design and Performance of Frames with High-Strength Reinforcement	UC Berkeley	USA
<b>Moderator</b>	<b>Masayoshi Nakashima</b>			Kyoto University	Japan
<b>Co-moderator</b>	<b>Kuo-Chun Chang 張國鎮</b>			National Taiwan University	Taiwan
Panelist	Norman Abrahamson	Near-fault characteristics		UC Berkeley	USA
Panelist	Kuo-Fong Ma 馬國鳳			National Central University	Taiwan
Panelist	Hung-Chie Chiu 邱宏智		Rotation motion and its effects on near-fault ground motions	Academia Sinica	Taiwan
Panelist	En-Jui Lee 李恩瑞		A Physics-Based Ground Motion Prediction Platform	National Cheng Kung University	Taiwan
Panelist	Chun-Hsiang Kuo 郭俊翔		Understanding Near-Fault Ground Motions from Recent Large Earthquakes	NCREE	Taiwan
Panelist	Shu-Hsien Chao 趙書賢		Ground motion simulation and ground motion model development	NCREE	Taiwan

Topic 1 (Continued)

Panelist	Ahmad M. Itani	Near-fault impacts	Reducing Earthquake Impact on Critical Infrastructure Lifelines	University of Nevada, Reno	USA
Panelist	Yin-Nan Huang 黃尹男		Impact of near-fault ground motions on the efficiency of viscous-damping systems	National Taiwan University	Taiwan
Panelist	Tzu-Kang Lin 林子剛		earthquake early warning system and structural health monitoring	National Chiao Tung University	Taiwan
Panelist	Juin-Fu Chai 柴駿甫		Near-Fault effects on the low-frequency nonstructural components and systems in high-rise buildings	NCREE	Taiwan
Panelist	Pan Tso-Chien 潘則建	Multiple hazards		Nanyang Technological University	Singapore
Panelist	Julio A. Ramirez		NHERI	Purdue University	USA
Panelist	Kuang-Yen Liu 劉光晏		Scoured bridge, offshore wind turbines, and fire affected buildings under multiple hazards	National Cheng Kung University	Taiwan
Panelist	Chin-Hsiung Loh 羅俊雄			National Taiwan University	Taiwan
Panelist	Ting-Yu Hsu 許丁友			National Taiwan University of Science and Technology	Taiwan
Panelist	Hsin-Yang Chung 鍾興陽			National Cheng Kung University	Taiwan
Panelist	Ching Hung 洪瀨			National Cheng Kung University	Taiwan
Panelist	Chung-Chan Hung 洪崇展			National Cheng Kung University	Taiwan
Summary Maker	Chun-Chung Chen 陳俊仲			NCREE	Taiwan
Summary Maker	Che-Yu Chang 張哲瑜			NCREE	Taiwan



## 國震中心台南實驗室開幕啟用研究合作專家學者論壇 NCREETainan Laboratory Grand Opening Forum

### Topic 2: Innovative experimental technologies and numerical simulation methods

Role in Forum	Name	Category	Presentation Title	Affiliation	Country
<b>Keynote Speaker</b>	<b>Ian G. Buckle</b>		An Overview of Innovative Experimental Technologies in Earthquake Engineering	University of Nevada, Reno	USA
<b>Keynote and Co-moderator</b>	<b>Keh-Chyuan Tsai 蔡克銓</b>			National Taiwan University	Taiwan
Panelist	Yi-Lung Mo	Numerical Simulation Innovations		University of Houston	USA
Panelist	Yuan-Sen Yang 楊元森			National Taipei University of Technology	Taiwan
Panelist	Chang-Wei Huang 黃仲偉			Chung Yuan Christian University	Taiwan
<b>Moderator &amp; Panelist</b>	<b>Shirley J. Dyke</b>		RTHS Research in the Intelligent Infrastructure Systems Lab	Purdue University	USA
Panelist	David T. Lau			Carleton University	USA
Panelist	Hong Hao			Curtin University	Australia
Panelist	James Ricles			Lehigh University	USA
Panelist	David Sanders			University of Nevada, Reno	USA
Panelist	Alberto Pavese			EUCENTRE, University of Pavia	Italy
Panelist	Hitoshi Kumagai 熊谷仁志		Advanced Earthquake Engineering Laboratory	Shimizu Corporation	Japan

## Topic 2 (Continued)

Panelist	Hitoshi Kumagai 熊谷仁志	Experimental Technology Innovations	Advanced Earthquake Engineering Laboratory	Shimizu Corporation	Japan
Panelist	Kazuhiko Kasai 笠井和彦		Some Remarks on The Full-Scale Shake Table Test	Tokyo Institute of Technology	Japan
Panelist	Jia-Ying Tu 杜佳穎			National Tsing Hua University	Taiwan
Panelist	Shih-Yu Chu 朱世禹			National Cheng Kung University	Taiwan
Panelist	Tsung-Chin Hou 侯琮欽			National Cheng Kung University	Taiwan
Panelist	Shiang-Jung Wang 汪向榮		Experimental innovations for advancing passive control technologies	NCREE	Taiwan
Panelist	Kung-Juin Wang 王孔君			NCREE	Taiwan
Panelist	Ming-Chieh Chuang 莊明介			NCREE	Taiwan
Panelist & Summary Maker	Chia-Ming Chang 張家銘			National Taiwan University	Taiwan
Panelist & Summary Maker	Pei-Ching Chen 陳沛清		Experimental Technology Innovations	National Taiwan University of Science and Technology	Taiwan



## 國震中心台南實驗室開幕啟用研究合作專家學者論壇 NCREET Tainan Laboratory Grand Opening Forum

### Topic 3: Lessons learned from disastrous earthquakes

Role in Forum	Name	Category	Presentation Title	Affiliation	Country
<b>Keynote Speaker</b>	<b>Stephen A. Mahin</b>		Lessons learned from disastrous	UC Berkeley	USA
<b>Moderator</b>	<b>Kenneth J. Elwood</b>			University of Auckland	New Zealand
<b>Forum Chair &amp; Co-moderator</b>	<b>Shyh-Jiann Hwang 黃世建</b>	Seismic evaluation & retrofit	Research Needs for Wall Behavior	NCREET	Taiwan
Panelist	George Yao 姚昭智	Lessons learned	NonStructural Element (NSE) Research	National Cheng Kung University	Taiwan
Panelist	Yi-Hsuan Tu 杜怡萱		Lessons Learned from Disastrous Earthquakes	National Cheng Kung University	Taiwan
Panelist	Po-Chien Hsiao 蕭博謙		Lessons Learned From Disastrous Earthquakes	National Chung Hsing University	Taiwan
Panelist	Chui-Hsin Chen 陳垂欣		Possible research topics employing the facilities of NCREET Tainan Laboratory	National Chiao Tung University	Taiwan
Panelist	Santiago Pujol	Seismic evaluation & retrofit	The Challenge Ahead: What to Fix, and How to Fix it?	Purdue University	USA
Panelist	Bing Li		Is there anything left to research on RC structures under earthquake loadings	Nanyang Technological University	Singapore
Panelist	Insung Kim		Lessons learned from disastrous earthquakes	Degenkolb	USA
Panelist	Yuan-Tao Weng 翁元滔		Lessons Learned From Disastrous Earthquakes	NCREET	Taiwan
Panelist	Yu-Chen Ou 歐昱辰			National Taiwan University	Taiwan
Summary Maker	Tsung-Chih Chiou 邱聰智		Comparison of Seismic Vulnerability Screening Indices using Data from the Taiwan Earthquake of 06-February 2016	NCREET	Taiwan

### Topic 3 (Continued)

Panelist	Masakatsu Miyajima 宮島昌克	Lifeline	Lessons Learned from Recent Earthquakes in Japan from the view of Lifeline Earthquake Engineering	Kanazawa University	Japan
Panelist	Gee-Yu Liu 劉季宇		Improving the safety of water lifelines	NCREE	Taiwan
Panelist	Tzou-Shin Ueng 翁作新	Geotechnical hazard	Liquefaction Mitigations	National Taiwan University	Taiwan
Panelist	Chia-Han Chen 陳家漢		Soil-Foundation-Structure Interaction during Near-Fault Ground Motions	NCREE	Taiwan
Panelist	Chia-Ming Uang			University of California San Diego	USA
Panelist	Hitoshi Shiohara 塩原 等			University of Tokyo	Japan
Panelist	Hsieh-Lung Hsu 許協隆			National Central University	Taiwan
Panelist	Hung-Jen Lee 李宏仁			National Yunlin University of Science and Technology	Taiwan
Panelist	Heui-Yung Chang 張惠雲			National University of Kaohsiung	Taiwan
Panelist	Chung-Sheng Lee 李中生			National United University	Taiwan
Summary Maker	Chien-Chuang Tseng 曾建創			NCREE	Taiwan