

Third Asia-Pacific Young Researchers and Graduates Symposium

Taipei, Taiwan, March 25-26, 2011

Organized by:
Dept. of Civil Engineering, National Taiwan University (NTU)
National Center for Research on Earthquake Engineering (NCREE)

3/25	Activity
8:00	Bus leaves from the Howard International House to NCREE
8:30	Opening Ceremony (Room 101, NCREE)
8:45~17:45	Presentation (See time table on the right)
18:00	Bus leaves from NCREE to the Howard International House
18:30~21:00	Banquet (14th Floor of the Howard International House)
3/26	
8:00~10:00	Building Construction Site Visit (Bus leaves at 8:00 am from the Howard International House)
10:00~10:20	NCREE Lab Visit
10:20~11:20	Discussion on the Future Collaboration (Room 101, NCREE) Earthquake and Flood-related Issues etc.
11:20~11:30	Rest
11:30~12:00	Closing Session (Room 101, NCREE)
12:00~13:30	Lunch at the Lu-Ming Yen Restaurant (NTU Campus)

Opening Ceremony (101, NCREE)		Chair	
08:30-08:45	College of Engineering, NTU Huan-Jang Keh (Dean) National Taiwan University Liang-Jeng Leu (Dept. Chair)	National Taiwan University NCREE	Chung-Che Chou (Assoc. Prof.) Hsiao-Hui Hung (Research Assoc.)
08:45-09:00	Analytical and Experimental Studies on Seismic Behavior of Mid-story Isolated Buildings NCREE Kuo-Chun Chang (NCREE Director)		
09:00-09:15	Photo Time		
Room A (101, NCREE)		Room B (103, NCREE)	
Speaker	Chair	Speaker	Chair
09:15-09:30	Kinematic Analysis of Slack Cable-Bar Assemblies Zhejiang University Hua Deng (Prof.)	Experimental Study and Evaluation on the Seismic Behavior of Coupling Beams National Taiwan University Shyh-Jiann Hwang (Prof.)	Chium-Lin Wu
09:30-09:45	The use Of Seismic Isolation For the Improved Performance of High-Rise Buildings Tokyo Institute of Technology, Japan, Troy Morgan (Assist. Prof.)	Seismic Force Resisting Mechanisms of Flexural Multi-Story Structural Walls Supported on Piles Kyoto University, Japan, M. Sakashita (Assist. Prof.)	Dookie Kim
09:45-10:00	Experimental Research on Composite Steel-Concrete Beam-to-Column Joints. Tsinghua University Jiansheng Fan (Assoc. Prof.)	Expansive Pressure Induced by Rust Corrosion of Concrete Structures Zhejiang University Yuxi Zhao (Prof.)	
10:00-10:15	Deformation Demand for Progressive Collapse Prevention of Blast-Damaged Steel Moment Frames Dankook University, Korea, Kyungkoo Lee (Assist. Prof.)	Shear Strength of RC Beam-Column Joints The Hong Kong Polytechnic Univ. Jian-Guo Dai (Assist. Prof.)	
10:15-10:30	Nonlinear Response Analysis of Structures Subjected to Random Ground Motions Tongji University Jianbing Chen (Assoc. Prof.)	Seismic Damage Assessment for a Masonry Building Using Aftershock Monitoring Harbin Institute of Technology Wensong Zhou (Assoc. Prof.)	
10:30-10:45	Rest		
10:45-11:00	An Updated Structural Parameters and Dynamic Loading Identification Approach under Incomplete Excitation Measurements Human University Bin Xu (Prof.)	Research of the mix Proportion of Ballastless Track Concrete Slab with High Early Strength used in the High Speed Rail Central Research Institute of Building and Construction Tingyu Hao (Prof.)	
11:00-11:15	Coupled Steel Plate Shear Walls for Seismic Design Univ. of Illinois at Urbana-Champaign, USA, Larry Fahnestock (Assist. Prof.)	Estimation of Extreme Traffic Load Effects by Modeling Heavy Tailed Behavior Tsinghua University Qianwang Li (Assoc. Prof.)	
11:15-11:30	Comparison on Several Types of Steel Plate Shear Wall with Buckling Restraint Tongji University Feifei Sun (Assoc. Prof.)	Preliminary Study on Surface Wave Propagation in Delaminated Concrete Decks University of Malaya, Malaysia, Hwa Kian Chai (Assist. Prof.)	Yu-Xi Zhao
11:30-11:45	Strain Level at the Beam End with a Different Connection Strength Ratio. Nagoya Institute of Technology, Japan, Atsushi Sato (Assoc. Prof.)	Experimental Full-range Hysteretic Response of Reinforced Concrete Columns Under Earthquake Excitation and Comparison with ASCE/SEI 41 criteria NCREE Chium-Lin Wu (Research Assoc.)	Tzu-Kang Lin
11:45-12:00	Analysis on Hysteretic Behaviour of Steel Frames Infilled with Energy-saving Sandwich Composite Panels Shandong University Hetao Hou (Assoc. Prof.)	Cyclic Behavior of Reinforced Concrete Beams with Corroded Reinforcing Bars NTUST Yu-Chen Ou (Assist. Prof.)	
12:00-12:15	Analysis of Base-isolated Nuclear Structures for Design and Beyond-design Basis Earthquake Shaking in the United States National Taiwan University Yin-Nan Huang (Assist. Prof.)	Structural Swinging Motion Subject to Point Source Input and its Control University of Western Sydney, Australia, Chun-Wei Zhang (Senior Lecture)	
12:15-13:15	Lunch		
13:15-13:30	Scaling of Earthquake Ground Motion Records for Bi-directional Response-History Analyses NCREE Yuan-Tao Weng (Research Assoc.)	Analysis on the Causes of Crack Formation and New Methods of Temperature Control During Construction of Super-High Arch Dam China Institute of Water Resources and Hydropower Research Youzhi Liu (Assist. Director)	
13:30-13:45	Experiments on Human-Induced Excitation using 3D Motion Capture and Analysis Tongji University Jun Chen (Assoc. Prof.)	Numerical Study on Damage Detection of Bridge Structures using Sequential Nonlinear Least Square Estimation Tongji University Hongwei Huang (Assoc. Prof.)	Chun-Wei Zhang
13:45-14:00	Seismic Conceptual Design of High-rise Twin-tower Structure with A Podium: A Case Study Shandong University Ying Chen (Assoc. Prof.)	Orthogonal Expansions for Optimal Polynomial Control of Nonlinear Stochastic Dynamical Systems Tongji University Yongbo Peng (Assist. Prof.)	M. Sakashita
14:00-14:15	Study of TD Double Steel Pipes Buckling-Restrained Brace Tianjin Architecture Design Institute Hui Wang (Ph. D.)	Nonlinear Static Seismic Analysis and its Validation using Damage Data from Reinforced-Concrete School Buildings National Cheng Kung University Yi-Hsuan Tu (Assist. Prof.)	
14:15-14:30	A new Approach to Predict Flexural Demands at the Projected Core Portion of Pin-Connected Buckling-Restrained Braces. Harbin Institute of Technology Junxian Zhao (Ph. D.)	Experimental Study on Special Moment Frame Structures with Slit-Separated Reinforced Concrete Infill Walls NYUST Hung-Jen Lee (Assoc. Prof.)	
14:30-14:45	Rest		
14:45-15:00	Service Load Behavior of Epoxy Bonded Steel-Concrete Composite Bridges MNIT Jaipur, India, Sandeep Chaudhary (Assoc. Prof.)	An Energy Based Seismic Evaluation Method of Reinforced Concrete Moment Frame Structures National Taiwan University Wen-Cheng Liao (Assist. Prof.)	Ting-Yu Hao
15:00-15:15	Use of FRP Composites Strengthening of Bridgeworks ViaRoads, Australia, Yew-Chin Koay (Ph. D.)	Average Crack Spacing of Overlay-strengthened RC Beams Hokkaido University, Japan, Dawei Zhang (Ph. D.)	Y. Sanada
15:15-15:30	Experimental Investigation on the Large-Scale FRP-Jacketed Concrete Columns in Axial Compression Advanced Material Systems Chung-Sheng Lee (Ph. D.)	Seismic Design of Pile Foundations with Specific Applications to Extended Pile-Shafts National Chung Hsing University Shin-Tai Song (Assist. Prof.)	
15:30-15:45	Component testing and Hysteretic Characteristics of Aluminum Alloy Buckling-Restrained Braces. Meijo University, Japan, Chunlin Wang (Post Dr.)	Application of Bio-informatics Based Technology on Structural Health Monitoring NCREE Tzu-Kang Lin (Researcher)	
15:45-16:00	Seismic Design and Performance Evaluation for Corner Gusset Connections in a Steel Buckling-restrained Braced Frame National Taiwan University Chung-Che Chou (Assoc. Prof.)	Effect of Debris Force on the Stability of Pile Foundation Bridge NCREE Hsiao-Hui Hung (Research Assoc.)	
16:00-16:15	Rest		
16:15-16:30	Spherical Elastomeric Bearing for Noise and Vibration Reduction of Railway Bridges Kunsan National University, Korea, Dookie Kim (Assoc. Prof.)	Chair	
16:30-16:45	Contribution of Nonstructural Brick Infills to Earthquake Resistance of R/C Buildings – A Case Study on an Indonesian Earthquake-Damaged Building Toyohashi University of Technology, Japan, Y. Sanada (Assoc. Prof.)	Chung-Che Chou	
16:45-17:00	Development of a Self-Centering Steel Plate Shear Wall University of Washington, USA, Jeffrey Berman (Assist. Prof.)	Hsiao-Hui Hung	
17:00-17:15	Aseismic Behavior of Low-rise Cold-formed Thin-walled Steel Residential Buildings Using Light-gauge Composite Walls Tongji University Yuanqi Li (Prof.)		
17:15-17:30	Seismic Retrofit of a School Building in Taoyuan, Taiwan TH Tsai an Associates, Consulting Engineers Tung-Ho Tsai (General Manager/ Structural Engineer)		
17:30-17:45	Seismic tests and Application of Buckling Restrained Braces in Taiwan National Taiwan University Keh-Chyuan Tsai (Prof.)		

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