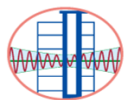


International Workshop on Advanced Earthquake Engineering Testing and Simulation for Near-Fault Ground Motions



Day 1, Nov. 19

Time	Room	Presentation Title	Speaker	Chair
08:00 ~ 09:00	Lobby	Registration		
09:00 ~ 09:20	101	Welcome Remarks and Introduction of NCREE Southern Lab	Kuo-Chun CHANG	Kuo-Chun CHANG
09:20 ~ 09:50	101	Design and Analysis of Concrete Buildings under Strong Earthquake Ground Motions	Jack P. MOEHLE	
09:50 ~ 10:20	101	Strategy for Collapse Prevention of RC Buildings under Near Fault Earthquake	Shyh-Jiann HWANG	
10:20 ~ 10:40	Lobby	Group Photo & Coffee Break		
10:40 ~ 11:10	101	Observations from Testing of Steel Structural Components with Near-Fault Loading	Chia-Ming UANG	Chung-Che CHOU
11:10 ~ 11:40	101	Collapse Test of Full-Scale Building at Near-Fault Earthquake and Analysis Simulating Two-Directional Column Deteriorations	Kazuhiko KASAI	
11:40 ~ 12:10	101	Seismic Design and Hybrid Tests of a Full-Scale 2-story RC Frame with Buckling Restrained Braces	Keh-Chyuan TSAI	
12:10 ~ 13:10	Lobby	Lunch Break		
13:10 ~ 13:40	101	Risk-based Design of Seismic Isolation Systems for Nuclear Power Plants	Andrew S. WHITTAKER	Lyan-Ywan LU
13:40 ~ 14:10	101	Structural Health Monitoring: Highlights & Challenges	Chin-Hsiung LOH	
14:10 ~ 14:40	101	Progress of Seismic Isolation and Energy Dissipation in Taiwan	Jenn-Shin HWANG	
14:40 ~ 15:10	101	Near Fault Effects: Research Needs in Geotechnical Engineering	Cheng-Hsing CHEN	
15:10 ~ 15:30	Lobby	Coffee Break		
15:30 ~ 16:00	101	Bridge Seismic Performance Due to Near-Fault Ground Motion Effects	Phillip YEN	Yu-Chi SUNG
16:00 ~ 16:30	101	Multi-hazard Bridge Design Criteria -- A Methodology to Estimate the Effect of Scour	George C. LEE	
16:30 ~ 17:00	101	A Perspective Study on Resilience against Hazards for Near-Fault Bridges	Yu-Chi SUNG	
17:00 ~ 17:30	101	Prospect of Multiphase Hybrid Simulation for Disaster Mitigation	Kunitomo SUGIURA	
17:30 ~ 18:00	101	Discussion		



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Day 2, Nov. 20

Time	Room	Presentation Title	Speaker	Chair
08:30 ~ 09:00	101	A Review of Near-Fault Ground Motion Issues and Future Studies	Kuo-Liang WEN	Hsuan-Teh HU
09:00 ~ 09:30	101	Near-Fault Effect on Seismic Performance of 3D Reinforced Concrete Complex Structures	Yi-Lung MO	
09:30 ~ 10:00	101	The Challenge of Near-fault Ground Motions to Seismic Isolated Structures	Lyan-Ywan LU	
10:00 ~ 10:20	Lobby	Coffee Break		
10:20 ~ 10:50	101	Real-Time Hybrid Simulation of Complex Structures Subject to Strong Earthquake Shaking	Stephen A. MAHIN	Jenn-Shin HWANG
10:50 ~ 11:20	101	Multi-axial Real-time Hybrid Simulation Framework	Billie F. SPENCER Jr.	
11:20 ~ 11:50	101	Hybrid Simulation and Specimen Dynamic Compensation	Shawn YOU (MTS)	
11:50 ~ 13:00	Lobby	Lunch Break		
Time	Room	Forum	Panelists	Moderator
13:00 ~ 14:00	101	Topic (I): Innovative earthquake engineering testing program using a long-stroke, high-speed shaking table and bi-axial dynamic testing system (note takers: Yuan-Sen YANG, Kung-Juin WANG)	Kazuhiko KASAI, Billie F. SPENCER Jr., Chia-Ming UANG	Keh-Chyuan TSAI
14:00 ~ 14:20	Lobby	Coffee Break		
14:20 ~ 15:20	101	Topic (II): Impact of near-fault earthquakes and multiple hazards to infrastructure systems (note takers: Yin-Nan HUANG, Cheyu CHANG)	Stephen A. MAHIN, Andrew S. WHITTAKER, Yi-Lung MO	Shyh-Jiann HWANG
15:20 ~ 15:40	Lobby	Coffee Break		
15:40 ~ 16:40	101	Topic (III): Visions of testing and simulation in earthquake engineering and multiple hazards toward a sustainable future (note takers: Chia-Ming CHANG, Pei-Ching CHEN)	George LEE, Kunitomo SUGIURA, Jack P. MOEHLE	Kuo-Chun CHANG
16:40 ~ 17:00	101	Summary		