

Session Program

8 th September 2017, Friday (Day 1)	
8:20 am – 8:40 am	Opening Session Coordinators: Prof. Yu-Chen Ou (Nat'l Taiwan Univ., Taiwan) Prof. Masanori Tani (Kyoto Univ., Japan) Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)
8:40 am – 9:20 am	Keynote Speech: Factors influencing the lateral drift capacity of structural walls Speaker: Prof. John W. Wallace (UCLA, USA)
Session A: Earthquake Engineering & Damping Systems I Chairs: Prof. Sung-Gul Hong (Seoul Nat'l Univ., Korea) & Prof. Masanori Tani (Kyoto Univ., Japan)	
9:20 am – 9:50 am	Analysis of damage potential of the 912 Gyeongju earthquake Presenter: Prof. Cheol-Ho Lee (Seoul Nat'l Univ., Korea)
9:50 am – 10:10 am	Shaking table tests of rocking base-isolated structures subjected to bi-axial earthquake loads Presenter: Prof. Chin-Tung Cheng (Nat'l Kaohsiung First Univ. of Sci. & Tech., Taiwan)
10:10 am – 10:30 am	Mechanical behavior of low-yield point circular hollow section steel damper under bi-directional loading Presenter: Prof. Jinwoo Kim (Osaka Univ., Japan)
10:30 am – 10:50 am	A displacement-controlled semi-active friction damper with leverage mechanism Presenter: Prof. Lyan-Ywan Lu (Nat'l Cheng Kung Univ., Taiwan)
10:50 am – 11:10 am	Tea Break
Session B: Seismic Performance of RC Structures I Chairs: Prof. Yu-Chen Ou (Nat'l Taiwan Univ., Taiwan) & Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)	
11:10 am – 11:30 am	Seismic performance of two-story R/C frames enhanced by rectangular cross-section walls Presenter: Prof. Masanori Tani (Kyoto Univ., Japan)
11:30 am – 11:50 am	Shear strength evaluation of RC beams Presenter: Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea)
11:50 am – 12:10 pm	Experimental investigation on the post-earthquake seismic capacity of RC column members Presenter: Prof. Chien-Kuo Chiu (Nat'l Taiwan Univ. of Sci. & Tech., Taiwan)
12:10 pm – 12:30 pm	Shear strength of corroded reinforced concrete short columns Presenter: Prof. Hyeon-Jong Hwang (Hunan University, China/Korea)
12:30 pm – 13:40 pm	Tour at SNU Main Library & Lunch
Session C: Seismic Performance of PC & Other Structures Chairs: Prof. Minehiro Nishiyama (Kyoto Univ., Japan) & Prof. Yin-Nan Huang (Nat'l Taiwan Univ., Taiwan)	
13:40 pm – 14:00 pm	Performance and design models of precast concrete seismic-force-resisting systems Presenter: Prof. Thomas Kang (Seoul Nat'l Univ., Korea)
14:00 pm – 14:20 pm	Performance of unbonded post-tensioning monostrand anchorages under concentric and eccentric cyclic loads Presenter: Mr. Luis Alberto Bedriñana (Kyoto Univ., Japan)

14:20 pm – 14:40 pm	In-plane loading tests for confined and in-filled masonry panels in RC frames with eccentric openings Presenter: Prof. Yi-Hsuan Tu (Nat'l Cheng Kung Univ., Taiwan)
14:40 pm – 15:00 pm	The state of the practice of timber structures in Korea Presenter: Dr. Kyungtae Kim (Chang Minwoo Structural Consultant, Korea)
15:00 pm – 15:20 pm	Tea Break
Session D: Earthquake Engineering & Damping Systems II Chairs: Prof. Han Seon Lee (Korea Univ., Korea) & Prof. Susumu Kono (Tokyo Inst. of Tech., Japan)	
15:20 pm – 15:40 pm	Numerical analysis of a fuzzy-controlled stiffness controllable mass damper system Presenter: Prof. Shih-Yu Joseph Chu (Nat'l Cheng Kung Univ., Taiwan)
15:40 pm – 16:00 pm	Vision sensing-based control force estimation of tuned liquid column dampers under real-time hybrid simulation Presenter: Prof. Junhee Kim (Dankook Univ., Korea)
16:00 pm – 16:20 pm	Seismic performance evaluation of building structures using stud-type dampers Presenter: Prof. Po-Chien Hsiao (Nat'l Chung Hsing Univ., Taiwan)
16:20 pm – 16:40 pm	Development of bi-gradation velocity feedback for isolated structure with controllable friction damper Presenter: Prof. Tzu Kang Lin (Nat'l Chiao Tung Univ., Taiwan)
End of First Day Sessions	
16:40 pm – 17:10 pm	Group Photo & Bus to SNU Extreme Performance Testing Center (EPTC)
17:10 pm – 17:40 pm	Speech at the Inauguration of SNU EPTC Speaker: Prof. Jae-Yeol Cho (Seoul Nat'l Univ., Korea)

9 th September 2017, Saturday (Day 2)	
Session E: Seismic Performance of Composite & Steel Structures Chairs: Prof. Shyh-Jiann Hwang (Nat'l Taiwan Univ., Taiwan) & Prof. Kil-Hee Kim (Kongju Nat'l Univ., Korea)	
8:40 am – 9:00 am	Cyclic behavior of retrofitted L- and T-shaped reinforced concrete columns Presenter: Prof. Yu-Chen Ou (Nat'l Taiwan Univ., Taiwan)
9:00 am – 9:20 am	Numerical study on seismic structural performance of steel encased concrete piles Presenter: Ms. Shreya Thusoo (Tokyo Inst. of Tech., Japan)
9:20 am – 9:40 am	Behavior of beam-to-column moment connections using SM570 high-strength steel Presenter: Prof. Cheng-Chih Chen (Nat'l Chiao Tung Univ., Taiwan)
9:40 am – 10:00 am	Cyclic lateral loading test for prefabricated composite column with bolt-connected steel angles Presenter: Mr. Hyeon-Jin Kim (Seoul Nat'l Univ., Korea)
10:00 am – 10:20 am	In-plane cyclic behavior of shear-critical steel-plate composite walls Presenter: Prof. Yin-Nan Huang (Nat'l Taiwan Univ., Taiwan)
10:20 am – 10:40 am	Tea Break
Session F: Seismic Performance of RC Structures II Chairs: Prof. Yasushi Sanada (Osaka Univ., Japan) & Prof. Lyan-Ywan Lu (Nat'l Cheng Kung Univ., Taiwan)	
10:40 am – 11:00 am	Column-to-beam strength ratio required to reduce likelihood of column yielding in earthquake-resistant RC moment Presenter: Prof. Changsoo Kim (Shandong Jinazhu Univ., China/Korea)
11:00 am – 11:20 am	Space and width of cracks on reinforced concrete beams under shear and flexural loads Presenter: Prof. Susumu Takahashi (Daido Univ., Japan)
11:20 am – 11:40 am	Seismic interaction between shear and torsion in a 5-story torsionally unbalanced RC frame structure Presenter: Prof. Kyung Ran Hwang (Korea Univ., Korea)
11:40 am – 12:00 pm	Evaluation of crack width in non-structural walls: experimental results and analytical predictions Presenter: Mr. Zhang Zheng (Osaka Univ., Japan)
12:00 pm – 12:20 pm	Evaluation of bond capacity in RC members according to configuration of transverse reinforcement Presenter: Prof. Min-Jun Kim (Kongju Nat'l Univ., Korea)
12:20 pm – 12:40 pm	Assessment of ultimate drift capacity of RC shear walls by key design parameters Presenter: Ms. Chanipa Netrattana (Tokyo Inst. of Tech., Japan)
12:40 pm – 14:00 pm	Lunch
14:00 pm – 14:20 pm	Closing Session & Talk Coordinators: Prof. Yu-Chen Ou (Nat'l Taiwan Univ., Taiwan) Prof. Masanori Tani (Kyoto Univ., Japan) Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)