

**The Eighteenth Japan-Korea-Taiwan Joint Seminar on  
Earthquake Engineering for Building Structures (SEEBUS 2016)  
Tainan, Taiwan, December 2-3, 2016**

**Seminar Program**

1 <sup>st</sup> Dec.		
Time	Schedule	Note
	Hotel Check in	At Tainan Shangri-la Hotel
2 <sup>nd</sup> Dec.		
Time	Schedule	Note
8:10	Arrive at Tainan Laboratory of National Center for Research on Earthquake Engineering	
08:15-08:35	Registration	
08:40-08:45	Welcome Speech	
08:50-09:20	Introduction of NCREE	
09:20-09:25	Group Photo	
09:25-10:10	Lab Tour	
10:10-10:35	Coffee Break	
10:40-11:20	<b>Mission and Major Research Components of the Pacific Earthquake Engineering Research (PEER) Center</b> <i>Dr. Khalid M. MOSALAM, Director, Pacific Earthquake Engineering Research (PEER) Center</i>	Speech /Discussion (35 min./5 min.)
11:20-12:00	<b>Full-Scale Building Collapse Test and Analysis Considering Two-Directional Column Deteriorations</b> <i>Dr. Kazuhiko KASAI, Professor of Urban Disaster Prevention Research Core, Tokyo Institute of Technology</i>	Speech /Discussion (35 min./5 min.)
12:00-13:00	Lunch	
13:00-14:50	<b>Session A: Reinforced Concrete Structures (I)</b> <b>Chairs: Susumu KONO and Jung-Yoon LEE</b> <b>Speech 1 /</b> Response of Post-tensioned Hybrid Precast Concrete Walls Subjected to Near-fault Ground Motions ..... <i>H. A. D. Samith BUDDIKA and Anil C. WIJEYEWICKREMA</i> <b>Speech 2 /</b> Damage Evaluation of Prestressed Concrete Beams Post-tensioned with Unbonded Tendons ..... <i>H. WATANABE., S. KONO, T. OBARA, L. MARTINELLI, and G. GIOIA</i> <b>Speech 3 /</b> Damage Controlling Performance of a Full Scale Unbonded Post-tensioned Precast Concrete Beam ..... <i>T. OBARA , H. WATANABE , S. KONO and T. OKAYASU</i> <b>Speech 4 /</b> Minimum Column Depth for Acceptable Bond Performance of Straight Beam Bars in Beam-column Joints ..... <i>Hung-Jen LEE , His-Ching CHEN , and Tsung-Chien TSAI</i> <b>Speech 5 /</b> Experimental Investigation on the Seismic Anchorage Behavior of Headed Bars Based on Full-size Specimens of Exterior and Interior Beam-column Joints ..... <i>Chien-Kuo CHIU , Kai-Ning CHI, and Ker-Chun LIN</i> <b>Speech 6 /</b> Diagonal Crack Width of RC Beams with High	Each Speech, Speech / Discussion (15 min./3 min.)

	<p align="center"><b>Strength Stirrup</b> ..... <i>Jung-Yoon LEE, Seong-Ho CHOI, and Sung Hyun YOON</i></p>	
14:50-15:10	Coffee Break	
15:10-16:05	<p><b>Session B: Composite Structures</b> <b>Chairs: Chung-Che CHOU and Sung-Gul HONG</b> <b>Speech 7 /</b> Seismic Tests of Reinforced Concrete Columns Confined with a FRP-wrapped Spiral Corrugated Tube (FWSCT) ..... <i>Chung-Che CHOU , Chung-Sheng LEE , Kai-Yi WU and</i> <i>V-Liam CHEN</i> <b>Speech 8 /</b> In-plate Cyclic Behavior of Steel-plate Composite Walls with Boundary Elements ..... <i>Chang-Ching CHANG, Yu-Cheng CHENG , Chi-An HO , and</i> <i>Yin-Nan HUANG</i> <b>Speech 9 /</b> Seismic Strengthening of RC Walls by UHPFRC Jacketing ..... <i>Sung-Gul HONG and Yu-sun YI</i></p>	Each Speech, Speech / Discussion (15 min./3 min.)
16:05-17:35	<p><b>Session C: Structural System</b> <b>Chairs: Hong-Gun PARK and Shih-Yu CHU</b> <b>Speech 10 /</b> Seismic Design and Earthquake Damage Mitigation of Industrialized Residential Buildings ..... <i>Chikara IHOSHI</i> <b>Speech 11 /</b> 2015 Three-dimensional Shaking Table Test of a 10-story Reinforced Concrete Building on the E-Defense ..... <i>Y. TOSAUCHI, E. SATO, K. FUKUYAMA, T. INOUE, K.</i> <i>KAJIWARA</i> <b>Speech 12 /</b> Parameter Identification of Full-scale Steel Building Exposed to Fire through Shaker and Base-isolated Platform ..... <i>Shih-Yu CHU , Yao-Yu YU , Yi-Xin WANG and Chien-Tai SHIH</i> <b>Speech 13 /</b> Steel Belt Truss-concrete Mega Column Connection in Lotte World Tower ..... <i>Hong-Gun PARK, Jang-Woon BAEK , Hyun-Jong, HWANG, and</i> <i>Tae-Sung EOM</i> <b>Speech 14 /</b> Assessment of Seismic Drift in Torsionally-unbalanced Buildings Accounting for Torsional Resistance by Transverse Frames ..... <i>Kyung Ran HWANG, Han Seon LEE, and Abegaz Ruth ALI</i></p>	Each Speech, Speech / Discussion (15 min./3 min.)
17:35-17:45	Closing for Day 1	
17:45-18:25	Drive back to Shangri-La Tainan	
18:30-	Banquet	Shanghai Pavilion, Tainan Shangri-la
<b>3<sup>rd</sup> Dec.</b>		
<b>Time</b>	<b>Schedule</b>	<b>Note</b>
8:10	Arrive at National Center for Research on Earthquake Engineering	
08:15-08:30	Registration	
08:30-9:45	<p><b>Session D: Steel Structures</b> <b>Chairs: Cheol-Ho LEE and Chui-Hsin CHEN</b> <b>Speech 15 /</b> Seismic Retrofit and Design Considerations for Welded Steel Moment Connections with Highly Composite Slabs ..... <i>Cheol-Ho LEE and Sung-Yong KIM</i></p>	Each Speech, Speech / Discussion (15 min./3 min.)

	<p><b>Speech 16/</b> The State of the Practice of Steel Plate Shear Walls in Korea  ..... <i>Kyungtae KIM , Taejin KIM , Kyung-Koo LEE , Jong-Ho KIM</i></p> <p><b>Speech 17/</b> Cyclic Behavior of Steel Braces with Spliced Mid-Segment  ..... <i>Chui-Hsin CHEN, Dong-Yin YU, and Chih-Chun OU</i></p> <p><b>Speech 18 /</b> Research and Development of Naturally Buckling Steel Braces  ..... <i>Po-Chien HSIAO, Kazuhiro HAYASHI, and Masayoshi NAKASHIMA</i></p>	
9:45-10:05	Coffee Break	
10:05 -11:35	<p><b>Session E: Structural Control</b>  <b>Chairs: Ji-Hun PARK and Chin-Tung CHENG</b></p> <p><b>Speech 19 /</b> Seismic Isolated Roof Structure of Suita Stadium  ..... <i>Takashi KIHARA, Hisato OKUDE, Hirokazu NOZAWA, and Masahito OHNO</i></p> <p><b>Speech 20 /</b> Seismic Design of Steel Moment Resisting Frames with Damping Systems in Accordance with KBC 2016  ..... <i>Ji-Hun PARK , and Seong-Ha JEON</i></p> <p><b>Speech 21 /</b> Optimal Distribution of Damping Coefficients for Viscous Dampers in Buildings  ..... <i>Tzu Kang LIN , Jenn Shin HWANG , and Kuan Hui CHEN</i></p> <p><b>Speech 22 /</b> Passive Base Isolation Design of Seismically-excited Building Using Linear Quadratic Regulator Control Algorithm  ..... <i>Chia-Ming CHANG, Syuan SHIA , and Cho-Yen YANG</i></p> <p><b>Speech 23 /</b> Shaking Table Tests of Rocking Base-isolated Structure with Frictional Hinge Damper  ..... <i>Chin-Tung CHENG and Jyun-Syong LIN</i></p>	Each Speech, Spech/Discussion (15 min./3 min.)
11:35-12:35	Lunch	
12:35-14:25	<p><b>Session F: Reinforced Concrete Structures (II)</b>  <b>Chairs: Minehiro NISHIYAMA and Yi-Hsuan TU</b></p> <p><b>Speech 24 /</b> Analyses of RC Shear Walls with Vertically Aligned Door Openings  ..... <i>Hong LIU, Yasushi SANADA and Suguru SUZUKI</i></p> <p><b>Speech 25 /</b> On the Assessment of Residual Deformation in Flexural-dominant RC Walls under Reversed Cyclic Loading  ..... <i>Luis A. BEDRIÑANA, Masanori TANI, and Minehiro NISHIYAMA</i></p> <p><b>Speech 26 /</b> Sliding Shear Behavior of Stuctural Walls of 1/3-scale 6-story Reinforced Concrete Building in Shaking Table Tests  ..... <i>Yuki IDOSAKO, Haruki INOUE, Masanobu SAKASHITA, Masanori TANI, and Minehiro NISHIYAMA</i></p> <p><b>Speech 27 /</b> In-plane Loading Tests for Confined and In-filled Masonry Panels in RC Frames with Eccentric Door Openings  ..... <i>Yi-Hsuan TU, Yu-Syuan LIN, Min-Shin TSAI and Tsung-Chih CHIOU</i></p> <p><b>Speech 28 /</b> Cyclic Behavior of High-strength Steel Reinforced Squat UHPFRC Shear Walls  ..... <i>Chung-Chan HUNG and Hong-Chi CHEN</i></p> <p><b>Speech 29 /</b> Evaluation of Shear Performance on Reinforced Concrete Beams with Web Openings  ..... <i>Min-Jun KIM, Sang-Woo KIM, Bum-Sik LEE, and Kil-Hee KIM</i></p>	Each Speech, Spech/Discussion (15 min./3 min.)

14:25-14:45	Coffee Break	
14:45-15:05	Closing Ceremony	
15:05	Leave for tour	