

6th December 2019 (Fri), Hao-Ran International Conference Hall, National Chiao-Tung University	
09:00-09:15	Opening session Coordinators: Prof. Tzu-Kang Lin (Nat'l Chiao-Tung Univ., Taiwan) Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea) Prof. Masanori Tani (Kyoto Univ., Japan)
09:15-10:30	Session A: Reinforced Concrete (1) Chairs: Prof. Susumu Kono (Tokyo Inst. of Tech., Japan) & Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)
10:30-10:45	Group Photo & Coffee Break
10:45-12:00	Session B: Steel Structure (1) Chairs: Dr. Taejin Kim (Chang minwoo structural consultants, Korea) & Prof. Cheng-Chih Chen (Nat'l Chiao-Tung Univ., Taiwan)
12:00-13:00	Lunch
13:00-14:15	Session C: Damper (1) Chairs: Prof. Shih-Yu Chu (Nat'l Cheng Kung Univ., Taiwan) & Prof. Yasushi Sanada (Osaka Univ, Japan)
14:15-14:30	Coffee Break
14:30-15:45	Session D: Reinforced Concrete (2) Chairs: Prof. Minehiro Nishiyama (Kyoto Univ., Japan) & Prof. Yu-Chen OU (Nat'l Taiwan Univ., Taiwan)
15:45-16:00	Coffee Break
16:00-17:15	Session E: Damper & Steel Structure Chairs: Prof. Thomas Kang (Seoul Nat'l Univ., Korea) & Prof. Chin-Tung Cheng (Nat'l Kaohsiung Univ. of Sci. and Tech., Taiwan)
18:00-20:00	Dinner (Sheng Hsiang Lo, Landis Inn Chuhu 2F)
7th December 2019 (Fri), Hao-Ran International Conference Hall, National Chiao-Tung University	
09:00-10:15	Session F: Reinforced Concrete (3) Chairs: Prof. Sung-Gul Hong (Seoul Nat'l Univ., Korea) & Prof. Masanori Tani (Kyoto Univ., Japan)
10:15-10:30	Coffee Break
10:30-11:45	Session G: Other structures Chairs: Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea) & Prof. Chung-Chan Hung (Nat'l Cheng Kung Univ., Taiwan)
12:00-13:00	Lunch
13:00-13:30	Closing Session & Talk Coordinators: Prof. Tzu-Kang Lin (Nat'l Chiao-Tung Univ., Taiwan) Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea) Prof. Masanori Tani (Kyoto Univ., Japan)
13:30-15:00	Bus to Construction Site
15:00-17:30	Construction Site Tour
	to be announced

6th December 2019 (Fri), Hao-Ran International Conference Hall, National Chiao-Tung University

09:00-09:15	Opening session Coordinators: Prof. Tzu-Kang Lin (Nat'l Chiao-Tung Univ., Taiwan) Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea) Prof. Masanori Tani (Kyoto Univ., Japan)
	Session A: Reinforced Concrete (1) Chairs: Prof. Susumu Kono (Tokyo Inst. of Tech., Japan) & Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)
09:15-09:30	Cyclic Behavior of a Reinforced Concrete Column with Unstressed Seven-Wire Steel Strands as Longitudinal Reinforcement Presenter: Prof. Yu-Chen Ou (Nat'l Taiwan Univ., Taiwan)
09:30-09:45	Ductility of RC Columns Considering Shear Degradation after Flexural Yielding Presenter: Mr. Muhammad Haroon (Sungkyunkwan Univ., Korea / Pakistan)
09:45-10:00	Airtight Performance Evaluation Test of Cracked RC Walls Using a Fan Pressurization For Building Seismic Performance Evaluation Presenter: Prof. Rokhyun Yoon (Osaka Univ, Japan)
10:00-10:15	Experimental Study on Minimum Interior Joint Depth for Special Moment Frames with High-Strength Reinforcement and Concrete Presenter: Prof. Hung-Jen Lee (Nat'l Yunlin Univ. of Sci. and Tech., Taiwan)
10:15-10:30	Performance based design of exterior beam-column joints Presenter: Prof. Hyeon-Jong Hwang (Hunan Univ., China / Korea)
10:30-10:45	Group Photo & Coffee Break
	Session B: Steel Structure (1) Chairs: Dr. Taejin Kim (Chang minwoo structural consultants, Korea) & Prof. Cheng-Chih Chen (Nat'l Chiao-Tung Univ., Taiwan)
10:45-11:00	Compression behavior of concrete-encased high-strength steel angle columns Presenter: Prof. Tae-Sung Eom (Dankook Univ., Korea)
11:00-11:15	Cyclic In-Plane Shear Performance of Concrete-Filled Low-Yield-Steel-Plate Composite Walls in High-Rise Buildings Presenter: Prof. Chin-Tung Cheng (Nat'l Kaohsiung Univ. of Sci. and Tech., Taiwan)
11:15-11:30	Blast performance of welded steel moment resisting connection to large rectangular concrete filled tube sections Presenter: Prof. Jinwon Shin (Catholic Kwandong Univ., Korea)
11:30-11:45	A method to improve the resistance to rupture for steel braces Presenter: Prof. Chui-Hsin Chen (Nat'l Chiao-Tung Univ., Taiwan)
11:45-12:00	Full-Scale Testing of Corrugated Steel Sheet Shear Walls with Hollow Structural Section Studs Presenter: Mr. Takuto Serikawa (Nagoya Inst. of Tech., Japan)
12:00-13:00	Lunch

Session C: Damper (1) Chairs: Prof. Shih-Yu Chu (Nat'l Cheng Kung Univ., Taiwan) & Prof. Yasushi Sanada (Osaka Univ, Japan)	
13:00-13:15	Development and Application of a Variable Stiffness Isolation System Considering Ground Motion Characteristic Presenter: Prof. Tzu-Kang Lin (Nat'l Chiao-Tung Univ., Taiwan)
13:35-13:50	Parameter identification of bouc-wen hysteresis via constrained unscented kalman filter Presenter: Prof. Sung-Yong Kim (Changwon Nat'l Univ., Korea)
13:15-13:30	Damage detection of seismically excited building using banks of Kalman filters Presenter: Prof. Chia-Ming Chang (Nat'l Taiwan Univ., Taiwan)
13:45-14:00	Ariake Arena - Seismically-isolated Large- Space Roof Structure Presenter: Mr. Yuki Hamada (Takenaka Corp., Japan)
14:00-14:15	Toward Integrated Performance-Based Seismic and Wind Design of Tall Buildings Presenter: Mr. Hamidreza Alinejad (Seoul Nat'l Univ., Korea / Iran)
14:15-14:30	Coffee Break
Session D: Reinforced Concrete (2) Chairs: Prof. Minehiro Nishiyama (Kyoto Univ., Japan) & Prof. Yu-Chen OU (Nat'l Taiwan Univ., Taiwan)	
14:30-14:45	Cyclic Testing and Shear Strength of RC Coupling Beams with (l_n/h) of 2 Presenter: Prof. Thomas Kang (Seoul Nat'l Univ., Korea)
14:45-15:00	Cyclic loading shear test for flanged squat walls Presenter: Prof. Hong-Gun Park (Seoul Nat'l Univ., Korea)
15:00-15:15	Loading tests for RC columns retrofitted by attaching steel members Presenter: Prof. Yi-Hsuan Tu (Nat'l Cheng Kung Univ., Taiwan)
15:15-15:30	Analytical study on effect of bi-directional lateral loading and axial loading on structural performance of R/C shear walls by finite element analysis Presenter: Mr. Ryo Yamada (Kyoto Univ., Japan)
15:30-15:45	Department Store That Inherits Historical Modern Architecture Presenter: Mr. Motoki Akazawa (Takenaka Corporation, Japan)
15:45-16:00	Coffee Break
Session E: Damper & Steel Structure Chairs: Prof. Thomas Kang (Seoul Nat'l Univ., Korea) & Prof. Chin-Tung Cheng (Nat'l Kaohsiung Univ. of Sci. and Tech., Taiwan)	
16:00-16:15	Standard Operating Procedures for Structural Health Monitoring and Diagnosis of Containment Building in Nuclear Power Plant Presenter: Mr. Chan-Jung Kang (Nat'l Cheng Kung Univ., Taiwan)
16:15-16:30	Cyclic loading test of HSS beam-column under one end biaxial bending moment Presenter: Mr. Takeshi Onogi (Tokyo Inst. of Tech., Japan)
16:30-16:45	Deep Wide-Flange Column Testing Under Combined Loading Condition Presenter: Mr. Shimpei Yoshioka (Tokyo Inst. of Tech., Japan)
16:45-17:00	Seismic Behavior of Chevron Naturally Bucking Braces Presenter: Prof. Po-Chien Hsiao (Nat'l Taiwan Univ. of Sci. and Tech., Taiwan)
17:00-17:15	Cyclic behavior of partially strengthened hysteretic damper treated by induction heating Presenter: Ms. Yuan Liu (Kyoto Univ., Japan)
18:00-20:00	Dinner (Sheng Hsiang Lo, Landis Inn Chuhu 2F)

7th December 2019 (Sat), Hao-Ran International Conference Hall, National Chiao-Tung University

Session F: Reinforced Concrete (3)

Chairs: Prof. Sung-Gul Hong (Seoul Nat'l Univ., Korea)
& Prof. Masanori Tani (Kyoto Univ., Japan)

- 09:00-09:15 Compressive Behavior of Steel-Reinforced Uhpcc Short Columns
Presenter: **Prof. Chung-Chan Hung (Nat'l Cheng Kung Univ., Taiwan)**
- 09:15-09:30 Numerical Analysis on Flexure Lightly Reinforced Concrete Walls
Presenter: **Ms. Chanipa Netrattana (Tokyo Inst. of Tech., Japan / Thailand)**
- 09:30-09:45 Residual Seismic Capacity Identification of Damaged RC Column Members Using Dynamic Loadings
Presenter: **Prof. Chien-Kuo Chiu (Nat'l Taiwan Univ. of Sci. and Tech., Taiwan)**
- 09:45-10:00 Structural Performance Evaluation of Hollow-Section RC Beams Subjected to Pure Torsion
Presenter: **Prof. Min-Jun Kim (Kongju Nat'l Univ., Korea)**
- 10:00-10:15 Residual Shear Crack Width of Reinforced Concrete Beams
Presenter: **Mr. Abdelkader Benyoucef (Tokyo Inst. of Tech., Japan)**

10:15-10:30 Coffee Break

Session G: Other structures

Chairs: Prof. Jung-Yoon Lee (Sungkyunkwan Univ., Korea)
& Prof. Chung-Chan Hung (Nat'l Cheng Kung Univ., Taiwan)

- 10:30-10:45 Graphic based approach for Structural Engineering Education
Presenter: **Prof. Sung-Gul Hong (Seoul Nat'l Univ., Korea)**
- 10:45-11:00 The Impact of Spectral Shape on the Design of Frictional-Pendulum Isolation System Subjected to Pulse-Like Ground Motions
Presenter: **Prof. Yin-Nan Huang (Nat'l Taiwan Univ., Taiwan)**
- 11:00-11:15 Seismic Performance Evaluation of a RC Residential Building with Brick Masonry Infill Walls in Nepal
Presenter: **Mr. Sujan Pradhan (Osaka Univ., Japan / Nepal)**
- 11:15-11:30 Mechanical Behavior of Lead Rubber Bearings Under and After Non-Proportional Plane Loading
Presenter: **Prof. Shiang-Jung Wang (Nat'l Taiwan Univ. of Sci. and Tech., Taiwan)**
- 11:30-11:45 Structural Evaluation of Jointed Granite Members with Epoxy Resin and Titanium Bars
Presenter: **Ms. Fahimeh Yavartanoo (Seoul Nat'l Univ., Korea / Iran)**

12:00-13:00 Lunch

13:00-13:30 Closing Session & Talk
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