Table of Contents

Session A: Reinforced Concrete Structures (I)

Cyclic behavior of a reinforced concrete column with unstressed seven-wire stee	1
strands as longitudinal reinforcement)
Yu-Chen Ou, Samuel Y.L.Yin, Yi-Qing Liu, and Jui-Chen Wang	

Session B: Steel Structures (I)

Compression behavior of concrete-encased high-strength steel angle columns......41 *Tae-Sung Eom and Seung-Jae Lee*

Cyclic in-plane shear performance of concrete-filled low-yield-steel-plate composite
walls in high-rise buildings52
Chin-Tung CHENG, Yung-Chin CHANG, and Heui-Yung CHANG

Full-scale testing of corrugated steel shear walls with hollow structural section
studs
Takuto SERIKAWA, Atsushi SATO

Session C: Damper (I)

Damage detection of seismically excited building using banks of Kalman filters.....105 *Chia-Ming CHANG and Jau-Yu CHOU*

Toward integrated performance-based seismic and wind design of tall buildings......124 Hamidreza ALINEJAD and Thomas H.-K. KANG

Session D: Reinforced Concrete (II)

Cyclic Testing and Shear Strength of RC Coupling Beams with (ln/h) of 2131
Thomas HK. KANG, Sanghee KIM, Wan-Shin PARK, Hyun-Do YUN

Loading tests for RC columns retrofitted by attaching steel members......146 *Yi-Hsuan TU and Fong-Duo CHEN*

Session E: Damper & Steel Structure

Snin-Yu CHO, Chan-Jung KANG Cyclic loading test of HSS beam-column under one end biaxial bending moment184 Takeshi ONOGI, and Atsushi SATO Deep wide-flange column testing under combined loading condition	Cyclic loading test of HSS beam-column under one end biaxial bending moment184 Takeshi ONOGI, and Atsushi SATO	Standard operating procedures for structural health monitoring and diagnosis of containment building in nuclear power plan
	Deep wide-flange column testing under combined loading condition194 Shimpei YOSHIOKA, Atsushi SATO, and Takeshi ONOGI	Shih-Yu CHU, Chan-Jung KANG Cyclic loading test of HSS beam-column under one end biaxial bending moment184
Po-Chien HSIAO, and Yu-Ting CHENG		Cyclic behavior of partially strengthened hysteretic damper treated by induction heating
Po-Chien HSIAO, and Yu-Ting CHENG Cyclic behavior of partially strengthened hysteretic damper treated by induction	heating	

Session F: Reinforced Concrete (III)

Compressive behavior of steel-reinforced UHPC short columns
Cheng-Hao YEN, Chung-Chan HUNG

Residual seismic capacity identification of damaged rc column members using dynamic	
loadings243	
Hsin-Fang Sung and Chien-Kuo Chiu	

Structural performance evaluation of hollow-section rc beams subjected to pure
torsion
Min-Jun Kim, Hyeong-Gook Kim, Yong-Jun Lee, Dong-Hwan Kim, Kil-Hee Kim, Muhammad Haroon,
DongIK Shin, and Jung-Yoon LEE

Session G: Other structures