

## Program Overview

Date	November 11 (Friday)	Date	November 12 (Saturday)
08:00-08:30	Bus from Hoam Faculty House to BK Conference Hall	08:30-09:00	Bus from Hoam Faculty House to BK Conference Hall
08:30-09:00	Registration	09:00-10:30	Technical Session E
09:00-09:10	Opening Session		
09:10-10:30	Technical Session A		
10:30-10:50	Coffee Break	10:30-10:50	Coffee Break
10:50-12:30	Technical Session B	10:50-12:10	Technical Session F
12:30-13:30	Lunch	12:10-13:00	Lunch
13:30-15:10	Technical Session C	13:00-13:10	Closing Session
		13:10-13:50	Bus to Hoam Faculty House for Changing Clothes
15:10-15:40	Photo Time Coffee Break	13:50-16:30	Technical Tour: Lotte Super Tower
15:40-17:20	Technical Session D		
17:40-18:00	Bus from BK Conference Hall to SNU Engineer House	16:30-17:30	Bus to Hoam Faculty House, SNU Campus
18:30-20:30	Banquet (SNU Engineer House)		
20:30-21:00	Bus from SNU Engineer House to Hoam Faculty House		

**The Thirteenth Taiwan-Japan-Korea Joint Seminar on  
Earthquake Engineering for Building Structures (SEEBUS 2011)  
Seoul, Korea, November 11-12, 2011**

**Seminar Program**

**Friday, November 11**

**08:00 - 08:30**      **Bus from Hoam Faculty House to BK Conference Hall**

**08:30 - 09:00**      **Registration**

**09:00 - 09:10**      **Opening Session**

*Lyan-Ywan LU*

*Yasushi SANADA*

*Kyung-Won MIN*

**09:10 - 10:30**      **Technical Session A: Concrete Structural Members I**

Chairmen: *Jung-Yoon LEE, Minehiro NISHIYAMA*

(1) PRELIMINARY DESIGN RECOMMENDATIONS FOR RC BEAM-COLUMN JOINTS WITH HIGH-STRENGTH REINFORCEMENT

*Hung-Jen LEE, Yin-Ru LIN*

(2) BEHAVIOR OF RC MEMBRANES HAVING DIFFERENT STEEL ARRANGEMENTS

*Jong-Wook PARK, Ha-Young CHOI, Seok-Gwang YOON, Dae-Hoon KIM,  
Jung-Yoon LEE*

(3) CYCLIC BEHAVIOR OF REINFORCED CONCRETE BEAMS WITH CORRODED TRANSVERSE REINFORCEMENT

*Yu-Chen OU, Hou-Heng CHEN*

(4) FLEXURAL DRIFT CAPACITY OF REINFORCED CONCRETE WALL WHICH FAILS IN FLEXURAL COMPRESSION FAILURE

*Susumu TAKAHASHI, Yasushi SANADA, Toshikatsu ICHINOSE, Norihide IZUMI,  
Hiroshi FUKUYAMA, Haruhiko SUWADA*

(5) FLEXURAL BEHAVIOR OF STEEL-FIBER REINFORCED PRETENSIONED CONCRETE BEAMS

*Hyeong-Jae YOON, Minehiro NISHIYAMA, Yoshiki KARINO, Fumio WATANABE*

**10:30 - 10:50**      **Coffee Break**

**10:50 - 12:30**      **Technical Session B: Structural Systems**

Chairmen: *Chin-Tung CHENG, Hong-Gun PARK*

- (1) RESPONSE CHARACTERISTICS OF MASONRY INFILLED 3D RC FRAMES UNDER EARTHQUAKE LOADING  
*Ilyas MOHAMMED, R. Ramesh BABU, Katta VENKATARAMANA, Akanshu SHARMA*
- (2) CENTRIFUGAL TEST FOR SEISMIC RESPONSE OF SDOF STRUCTURES WITH SHALLOW FOUNDATION  
*Hong-Gun PARK, Dong-Kwan KIM*
- (3) SEISMIC LOADING TEST OF AN R/C EXTERIOR BEAM-COLUMN JOINT WITHOUT SHEAR REINFORCEMENTS IN INDONESIA  
*Yuta SASHIMA, Yoshiaki NITTA, Takuya TOMONAGA, Yasushi SANADA*
- (4) FUNDAMENTAL PERIOD FORMULAS FOR CONCRETE SHEAR WALL BUILDINGS  
*Sung-Gul HONG, Sung-Hoon KANG*
- (5) ANALYTICAL STUDY ON BUCKLING BEHAVIOR OF TIMBER COLUMN INCLUDING KUMIMONO  
*Atsuo TAKINO, Yuji MIYAMOTO*
- (6) SEISMIC BEHAVIOR OF COMPLEX-SHAPED TALL BUILDINGS  
*Dong-Hun LEE, Tae-Jin KIM, Woo-Seok YOON, Dae-Eon KANG*

**12:30 - 13:30**      **Lunch**

**13:30 - 15:10**      **Technical Session C: Steel Structures**

Chairmen: *Bing LI, Cheol-Ho LEE*

- (1) ASSESSMENT OF SEISMIC DEMANDS FOR CONCENTRICALLY BRACED STEEL FRAME BUILDINGS  
*Chui-Hsin CHEN, Stephen MAHIN*
- (2) CYCLIC SEISMIC PERFORMANCE OF CONCRETE-FILLED U-SHAPE STEEL BEAM TO WIDE FLANGE COLUMN CONNECTIONS  
*Cheol-Ho LEE, Hong-Gun PARK, Chang-Hee PARK, Hyeon-Jong HWANG, Chang-Nam LEE, Hyoung-Seop KIM, Sung-Bae KIM*

(3) A VARIABLE-FREQUENCY ISOLATION SYSTEM BY USING ROCKING BEARINGS

*Lyan-Ywan LU, Chia-Chiea HSU, Bao-Ling CHANG, I-Ling YEH*

(4) THE RELATIONSHIP BETWEEN END STRAIN AND CONNECTION STRENGTH OF STEEL STRUCTURE

*Atsushi SATO*

(5) EXPERIMENT OF SLENDER CONFINED MASONRY PANELS UNDER MONOTONIC AND CYCLIC LOADING

*Yi-Hsuan TU, Tsung-Hua CHUANG, Po-Cheng LIN, Ting-Yi LO, Pu-Wen WENG*

**15:10 - 15:40      Coffee Break (Photo Time)**

**15:40 - 17:20      Technical Session D: Structural Analysis**

Chairmen: *Chien-Kuo CHIU, Tomoya MATSUI*

(1) SEISMIC BEHAVIOR OF SELF-CENTERING DESIGNED ECCENTRICALLY BRACED FRAMES

*Chin-Tung CHENG, Chih-Hong HSU, Ker-Chun LIN*

(2) A NORMALIZED-RELATIVE-DISPLACEMENT-VIBRATION-SHAPE (NRDVS) BASED STRUCTURAL DAMAGE ASSESSMENT SCHEME

*Shih-Yu CHU, Ruei-Lin WU*

(3) DECISION-MAKING ON DESIGN BASE SHEAR FORCES FOR RC BUILDINGS CONSIDERING SEISMIC RELIABILITY AND LIFE-CYCLE COSTS

*Chien-Kuo CHIU*

(4) EFFICIENT STRUCTURAL ANALYSIS AND CONTROL OF WALL-FRAME STRUCTURE WITH THE ECCENTRIC CORE

*Dong-Guen LEE, Yong-Koo PARK, Hyun-Su KIM*

(5) A NEW SEISMIC EVALUATION METHOD FOR REINFORCED CONCRETE SPECIAL MOMENT FRAMES

*Wen-Cheng LIAO*

**17:40 - 18:00      Bus from BK Conference Hall to SNU Engineer House**

**18:30 - 20:30      Banquet (SNU Engineer House)**

**20:30 - 21:00      Bus from SNU Engineer House to Hoam Faculty House**

**Saturday, November 12**

**08:30 - 09:00      Bus from Hoam Faculty House to BK Conference Hall**

**09:00 - 10:30      Technical Session E: Vibration Control and Isolation**

Chairmen: *Heui-Yung CHANG, Hong-Jin KIM*

(1) SEISMIC RISK CURVES OF STEEL BUILDINGS WITH SELF-CENTERING ENERGY DISSIPATIVE BRACES

*Heui-Yung CHANG*

(2) TYPHOON BEHAVIOR MONITORING OF A TUNED MASS DAMPER

*Hong-Jin KIM, Sun-Young CHOI, Seong-Woo JO, Jae-Seung HWANG, Eun-Jong YU*

(3) ROBUST LIQUID DAMPERS CONTROLLING WIND INDUCED RESPONSES OF TALL BUILDINGS

*Dong-Ik KIM, Kyung-Won MIN, Ji-Hun PARK, Hye-Ri LEE, Jae-Keon KIM, Kyu-Seok HWANG, Yong-Sik GIL*

(4) SEISMIC RESPONSE OF REINFORCED CONCRETE STRUCTURES WITH MASONRY INFILL WALLS AND VISCOELASTIC DAMPERS

*Ji-Hun PARK, Mi-Kyeong KIM*

(5) EXPERIMENT ON IMPACT OF BASE-ISOLATED BUILDING MODEL AGAINST RETAINING WALL ON SHAKING TABLE

*Shunji YAMAMOTO, Toshimoto MAENO, Hiroyuki MASUDA, Takuya KINOSHITA, Naohiro NAKAMURA, Shin-ichi MATSUSHIMA, Hiroshi KAWASE*

**10:30 - 10:50      Coffee Break**

**10:50 - 12:10      Technical Session F: Concrete Structural Members II**

Chairmen: *Atsushi SATO, Sang-Hyun LEE*

(1) EARTHQUAKE SIMULATION TESTS ON A 1:5 SCALE 10-STORY R.C. RESIDENTIAL BUILDING MODEL

*Han-Seon LEE, Sung-Jun HWANG, Kyung-Bo LEE, Chang-Bum KANG, Sang-Ho LEE, Sang-Hoon OH*

(2) VERTICAL VIBRATIONS AND RESONANCE OF A 39 STORY BUILDING

*Lan CHUNG, Sang-Hyun LEE, Kyung-Koo LEE, Sung-Sik WOO, Dong-Guen LEE*

(3) INFLUENCE OF SEISMIC LOADING DIRECTION ON THE RESPONSE OF NON-DUCTILE RC COLUMNS

*Bing LI, Thanh Phuong PHAM*

(4) STATIC LOADING TEST OF PRECAST CES SHEAR WALLS

*Tomoya MATSUI, Yukihiro KIDU, Suguru SUZUKI, Hiroshi KURAMOTO*

(5) INVESTIGATION ON DAMAGE LEVEL OF A MID-RISE R/C BUILDING DAMAGED DUE TO THE 2009 WEST SUMATRA, INDONESIA EARTHQUAKE

*Swe Zin Win, Nguyen Cong Khanh, Toshihiko TAKAHASHI, Yasushi SANADA*

**12:10 - 13:00 Lunch**

**13:00 - 13:10 Closing Session**

*Lyan-Ywan LU*

*Yasushi SANADA*

*Kyung-Won MIN*

**13:10 - 13:50 Bus to Hoam Faculty House for Changing Clothes**

**13:50 - 16:30 Technical Tour:**

**Lotte Super Tower**

**16:30 - 17:30 Bus to Hoam Faculty House, SNU campus**