

## Program Overview

Date	November 26 (Friday)	Date	November 27 (Saturday)
08:00-08:40	Bus from Kaohsiung Ambassador Hotel to NKFUST campus	08:10-08:50	Bus from Kaohsiung Ambassador Hotel to NKFUST campus
08:40-09:00	Registration	08:50-10:30	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	12:10-13:10	Lunch
13:30-15:10	Technical Session C	13:10-13:30	Closing Session
15:10-15:40	Photo Time Coffee Break	13:30-17:00	Technical Tour: 13:30 Lotus Pond 14:30 The World Game Stadium 16:00 KRT Formosa Boulevard Station
15:40-17:20	Technical Session D		
17:20-18:10	Bus from NKFUST campus to Kaohsiung Ambassador Hotel		
18:30-20:30	Banquet (Kaohsiung Ambassador Hotel)	17:00-18:00	Bus to Kaohsiung Ambassador Hotel, HSR Station, NKFUST Campus

**The Twelfth Japan-Korea-Taiwan Joint Seminar on  
Earthquake Engineering for Building Structures (SEEBUS 2010)  
Kaohsiung, Taiwan, November 26-27, 2010**

**Seminar Program**

**Friday, November 26**

**08:00 - 08:40**      **Bus from Kaohsiung Ambassador Hotel to NKFUST campus**

**08:40 - 09:00**      **Registration**

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

*Minehiro NISHIYAMA*

*Kyung-Won MIN*

*Lyan-Ywan LU*

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

Chairmen: *Fumio WATANABE, Sung-Gul HONG*

(1) THEORETICAL MODELING OF PRESTRESSED CONCRETE MEMBERS  
SUBJECTED TO SHEAR CONSIDERING BOND STRENGTH OF PT TENDONS

*Masanori TANI, Minehiro NISHIYAMA*

(2) DEFORMATION PERFORMANCE OF POST TENSIONED PRECAST  
CONCRETE COLUMNS FAILING IN FLEXURAL SHEAR

*Jae-Man LEE*

(3) SEISMIC PERFORMANCE OF LARGE-SCALE REINFORCED CONCRETE  
BEAMS WITH CORRODED STEEL REINFORCEMENT

*Yu-Chen OU, Li-Lan TSAI, Hou-Heng CHEN*

(4) PUNCHING SHEAR STRENGTH AND DEFORMATION CAPACITY OF FIBER  
REINFORCED CONCRETE SLAB-COLUMN CONNECTIONS

*Min-Yuan CHENG*

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

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

Chairmen: *Keh-Chyuan TSAI, Minehiro NISHIYAMA*

- (1) FINITE ELEMENT MODELING OF CYCLIC OUT-OF-PLANE BEHAVIOR OF MASONRY WALLS RETROFITTED BY INSERTING INCLINED STEEL PINS  
*SHRESTHA Kshitij Charana, Nagae TAKUYA, Araki YOSHIKAZU*
- (2) EXPERIMENTAL STUDY ON SEPARATING REINFORCED CONCRETE INFILL WALLS FROM STEEL MOMENT FRAMES BY SLITS  
*Hung-Jen LEE, Ruey-Shyang JU, Cheng-Cheng CHEN*
- (3) EVALUATION OF SEISMIC PERFORMANCE OF RC L-SHAPED CORE-WALLS FOR HIGH-RISE BUILDINGS  
*Masanobu SAKASHITA, Kazuma INADA, Kouhei SAKAMOTO, Susumu KONO and Hisataka SATO*
- (4) ROCKING CAPACITY OF UNREINFORCED MASONRY WALLS  
*Sung-Gul HONG, Sung-Hoon KANG*
- (5) EVALUATING PROCEDURE OF OPTIMAL SEISMIC RETROFIT LEVEL FOR A LOW-RISE RC BUILDING  
*Chien-Kuo CHIU*

**12:30 - 13:30      Lunch**

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

Chairmen: *Kyungkoo LEE, Shang-Hsien HSIEH*

- (1) STATIC LOADING TEST OF CES SHEAR WALLS WITH DIFFERENT ANCHORAGE CONDITION OF WALL REINFORCEMENT  
*Tomoya MATSUI, Hiroshi KURAMOTO*
- (2) CONTINUOUS COLUMN EFFECTS ON SEISMIC RESPONSE AND STABILITY OF U.S. STEEL MOMENT-FRAME STRUCTURES  
*Hiroyuki TAGAWA, Gregory MACRAE, Laura LOWES*
- (3) EVALUATION OF BLAST-INDUCED PROGRESSIVE COLLAPSE RESISTANCE OF STEEL MOMENT FRAMES  
*Kyungkoo LEE, Seonwoong KIM, Lan CHUNG*
- (4) FRAME AND BRACE ACTIONS IN CORNER GUSSET PLATE CONNECTIONS OF STEEL BUCKLING-RESTRAINED BRACED FRAMES  
*Chung-Che CHOU, Jia-Hau LIU*

(5) PERFORMANCE ASSESSMENT OF BUCKLING RESTRAINED BRACES

*Heui-Yung CHANG*

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

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

Chairmen: *Dong-Guen LEE, Bing LI*

(1) EFFICIENT ANALYTICAL MODEL FOR DYNAMIC ANALYSIS OF TALL BUILDINGS

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

(2) DAMAGE ASSESSMENT OF REAL BUILDING BASED ON ON-LINE RECURSIVE LEAST-SQUARES METHOD

*Shih-Yu CHU, Shih-Chieh LO*

(3) TESTS ON SEISMICALLY DAMAGED REINFORCED CONCRETE BEAM-COLUMN JOINTS REPAIRED USING FIBER-REINFORCED

*Bing LI*

(4) SEISMIC PERFORMANCE OF REINFORCED CONCRETE SPECIAL MOMENT FRAMES DESIGNED BY PERFORMANCE-BASED PLASTIC DESIGN METHOD

*Wen-Cheng LIAO, Subhash C. GOEL*

(5) STUDY ON THE EARTHQUAKE DAMAGE EVALUATION PROCEDURE FOR RC AND CONFINED MASONRY BUILDINGS

*Yi-Hsuan TU, Lai-Cheng AO, Wen-Yu JEAN*

**17:20 - 18:10      Bus from NKFUST campus to Kaohsiung Ambassador Hotel**

**18:30 - 20:30      Banquet (Kaohsiung Ambassador Hotel)**

**Saturday, November 27**

**08:10 - 08:50**      **Bus from Kaohsiung Ambassador Hotel to NKFUST campus**

**08:50 - 10:30**      **Technical Session E: Vibration Control and Isolation**

Chairmen: *Chin-Tung CHENG, Kyung-Won MIN*

(1) SEISMIC PERFORMANCE OF FRICTION DAMPERS INSTALLED AT  
COUPLING BEAMS BETWEEN SHEAR WALLS

*Byoung-Wook MOON, Kyung-Won MIN*

(2) BI-DIRECTIONAL COUPLED TUNED MASS DAMPERS FOR THE MODAL  
CONTROL OF TWO-WAY ASYMMETRIC-PLAN BUILDINGS

*Jui-Liang LIN, Keh-Chyuan TSAI*

(3) PROPOSAL OF ELASTIC BUCKLING STRENGTH FORMULA FOR COLUMNS  
IN STEEL MOMENT FRAMES CONSIDERING ANTI-SYMMETRIC AXIAL  
FORCES CAUSED BY HORIZONTAL LOADS

*Akinobu TAKADA, Motohide TADA, Seiji MUKAIDE, and Yoshikazu ARAKI*

(4) IN-SITU FORCED VIBRATION TEST AND SYSTEM IDENTIFICATION OF  
SECONDARY MASS DAMPERS

*Hongjin KIM, Je-Woo PARK, Jee-Hoon LEE, Young-Ju JANG, Sun-Young CHOI*

(5) SEISMIC RESPONSE OF STIFFNESS-DEGRADING SDOF STRUCTURES WITH  
DISPLACEMENT DEPENDENT DAMPING DEVICES

*Ji-Hun PARK, Hun-Hee KIM, Ki-Myon KIM*

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

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

Chairmen: *Han Seon LEE, Cheng-Chih CHEN*

(1) SEISMIC EVALUATION OF A RETROFITTED 5-STORY RC RESIDENTIAL  
BUILDING MODEL

*Han Seon LEE, Chang Seok CHO, Kyung Bo LEE, Seong Jun HWANG*

(2) EFFECT ON OPENING ARRANGEMENTS ON SHEAR FAILURE MODE OF RC  
SHEAR WALLS WITH MULTI-OPENINGS

*Masato SAKURAI, Tomoya MATSUI, Hiroshi KURAMOTO*

(3) ROBUST NUMERICAL MODELING APPROACHES FOR UNBONDED  
POST-TENSIONED CONCRETE MEMBERS

*Changsoon RHA, Thomas H.-K. KANG*

(4) BOND-STRENGTHENING HOOKS FOR RC MEMBERS WITH HIGH STRENGTH  
SHEAR-REINFORCING SRIRALS

*Kil-Hee KIM, Young-Seek KIM, Sang-Woo KIM*

**12:10 - 13:10      Lunch**

**13:10 - 13:30      Closing Session**

*Minehiro NISHIYAMA*

*Kyung-Won MIN*

*Lyan-Ywan LU*

**13:30 - 17:00      Technical Tour:**

**13:30 Lotus Pond (scenic)**

**14:30 The World Game Stadium**

**16:00 KRT Formosa Boulevard Station**

**17:00 - 17:20      Bus to Kaohsiung Ambassador Hotel**

**17:20 - 18:00      Bus return to NKFUST campus**