The 2nd Korea-Japan Joint Seminar
on Earthquake Engineering for Building Structures

SEEBUS 2000

Shiran-Kaikan
Kyoto Japan

SEMINAR PROGRAM

Each speaker is allowed a total of 25 minutes, including 17 minutes for presentation and 8 minutes for questions and discussion. Keynote speakers are allowed 30 minutes for presentation.

Friday, October 20th

8:30 - **Registration**

9:00 - 9:20 **Opening Session**
Dong-Guen LEE
Fumio WATANABE

9:20 - 10:05 **Keynote Lecture**
Chairman : Fumio WATANABE
Shyh-Jiann HWANG and H. J. LEE
Design and Retrofitting Strategy of Reinforced Concrete Beam-Column Joints

10:05 - 10:20 **Coffee Break**

10:20 - 12:00 **Working Session : RC member behavior**
Chairman: Jang-Hoon KIM and Minehiro NISHIYAMA
Sung-Gul HONG and Soo-Gon LEE
Flexural Shear Strength and Deformation Models for Reinforced Concrete Columns
Susumu KONO and Fumio WATANABE
Damage Evaluation of Reinforced Concrete Columns under Multiaxial Cyclic Loadings
Jang-Hoon KIM and John B. MANDER
Cyclic Inelastic Strut-tie Modeling of Shear-critical R.C. Members
Hitoshi TANAKA and Susumu KONO
A Shear Transfer Model for High Strength Concrete Interface with Dowel Reinforcement and Shear Keys

12:00 - 13:30 **Lunch**

13:30 - 14:15 **Keynote Lecture**

Chairman : Dong-Guen LEE

Keh-Chyuan TSAI

Damage and Response Analyses for Buildings During the 1999 Chi-Chi Taiwan Earthquake

14:15 - 16:20 **Working Session : Soil and Global Behavior**

Chairman : Sang-Whan HAN and Hitoshi TANAKA

Madan KARKEE

Performance of Pile Foundations During the Hyogoken-Nanbu Earthquake and its Implications to Design Practice

Hee-Cheul KIM and Kwan-Jung KIM

Seismic Behavior Evaluation of Unreinforced Masonry Structure Considering Soil-Structure Interaction

Yong-Seok KIM

Effects of Nonlinear Characteristics of a Soft Soil Layer on the Horizontal Seismic Responses of Buildings

Masayoshi NAKASHIMA, Tomohiro MATSUMIYA, and Koichiro ASANO

Comparison in Earthquake Responses of Steel Moment Frames Subjected to Near-Fault Strong Motions Recorded in Japan, Taiwan, and The U.S.

Masaru TERAOKA, Koji MORITA and Satoshi SASAKI

Experimental Study on Simplified SRC Beam-Column Joints in Construction Technology

16:20 - 16:35 **Coffee Break**

16:35 - 18:40 **Working Session : Steel Connections**

Chairman : Jong-Won Park and Masayoshi NAKASHIMA

Motohide TADA, Yutaka NISHI, and Yoshikatsu YAMADA

Buckling Behavior of Tube Braces with Concentric Through-Gusset Connection

Cheol-Ho LEE and Chia-Ming UANG

Analytical Modeling of Seismic Steel Moment Connections with Welded Straight Haunch

Keiichiro SUITA, Masayoshi NAKASHIMA and Michael. D. ENGELHARDT

Plastic Rotation Capacity of Post-Northridge and Post-Kobe Beam-to-Column Connections

Jong-Wong Park

Experimental Investigation of Reduced Beam Section Connections with Web Openings

Takahiko SUZUKI, Koji MORITA and Koichi TAKANASHI

An Experimental Study on Fracture Behavior of Welded Beam-to-Column Joint with Defects

19:30 - 21:30 **Banquet**

Saturday, October 21st

9:00 - 10:40 **Working Session : Frames I**

Chairman: Jinkoo KIM and Motohide TADA

Han-Seon LEE and Sung-Woo WOO

Earthquake Simulation Tests of a 1:5 Scale 3-Story Masonry-Infilled Reinforced Concrete Frame

Dae-Kon KIM and Sang-Hoon LEE

Free Vibration and Pseudo-dynamic Tests for Base Isolated Real Size Steel Frame

Takashi HASEGAWA

Seismic Response Behavior of Steel Moment Resisting Frames Having Exposed-type Column Bases

Dong-Guen LEE and Hyun-Su KIM

An Efficient Model for Seismic Analysis of High-rise Building Structures with the Effects of Floor Slabs

10:40 - 11:00 **Coffee Break**

11:00 - 12:40 **Working Session : Frames II**

Chairman : Han-Seon LEE and Keiichiro SUITA

Jinkoo KIM and Kangjoon LEE

Optimum Stiffness Ratio of Unbond Brace Hysteretic Dampers

Sang-Whan HAN, Hyuk-Sang YU and Li-Hyung LEE

Performance Evaluation of Columns in Ordinary Moment Concrete Frames

Kyung-Won MIN, Sung-Choon KIM, Seong-Ho HWANG and Jin-Wook JOUNG

Experimental Study of Robust Control for Buildings under Earthquake Excitation

Fumio WATANABE

Seismic design for Prefabricated and Prestressed Concrete Moment Resisting Frames

12:40 - 12:50 **Closing Session**

Dong-Guen LEE

Fumio WATANABE

13:00 – 14:00 **Lunch**

14:00 - **Tour** : Construction site in Kyoto or Osaka

Sunday, October 22nd

Free to do as you like

12:00 – 14:40 **Jidai Matsuri**

The festival parade starts from the Imperial Palace and moves on foot for about four kilometers all the way to the Heian Shrine.