Tuesday, September 19, 2006

Plenary Session II - Golden Gate Ballroom
Session Moderator: George Lee, MCEER

8:00 a.m.
8:00 Prof. L. Fan, P. R. China Life Cycle and Performance Based Seismic Design of Major Bridge Engineering (35 min.)
8:35 T. J. Zhu, Buckland & Taylor, Canada "Seismic Design Issues for Long-Span Bridges" (35 min)
9:10 Lars Haage, COWI, Denmark "Pushing the Span Limits for Longspan Bridges - A State of the Art Review" (40 min.)

Break Bay Bridge Room (9:50 a.m. - 10:15 a.m.)
Visit our Exhibitors 7:30 a.m. - 5:00 p.m. (except during Plenary Session)

10:15 a.m.
Track A - Golden Gate 'A'
A14: Geotechnical Engineering Experience from Seismic Retrofit and New Design Projects of Major Toll Bridges in California by Hubert K. Law, and Ignatius Po Lam (Earth Mechanics, Inc.)
A15: Analytical Assessment of a Major Bridge in the New Madrid Seismic Zone by Aman Mehta, Amir Elnashai, and Oh-Sung Kwon (UIUC)
A16: Seismic Analysis and Design of a Multi-Span Bridge in a Region of High Seismicity using ECDOT Seismic Specifications by Amos Liu and William (Brad) Stiller, (Ralph Whitehead Associates, Inc.); and Lucero Mesa (SCDOOT)
A17: Collapse Simulation of RC Frames under Earthquakes II: Verification Studies - Collapse of Cypress Viaduct by Yan Zhou, L.M. Zhang, and X.L. Liu (Shanghai Jiao Tong University)

Track B - Golden Gate 'B'
B14: Seismic Energy Dissipation by Foundation Rocking for Bridge SFS Systems by Bruce Kutter, Boris Jeremic, (UC - Davis), Stephen Mahin (UC Berkeley), Jose Ugalde, Sivapalan Gajan, and George Hu (UC - Davis)
B15: Three-Dimensional Nonlinear Finite-Element Soil-Abutment Structure Interaction Model for Skewed Bridges by Anoosh Shamsabadi (Caltrans), Mike Kapuaskar (Earth Mechanics, Inc.), and Amir Zand (USC)
B16: Comparison of Direct Method versus Substructure Method for Seismic Analyses of a Skewed Bridge by Anoosh Shamsabadi (Caltrans), Hubert K. Law (Earth Mechanics, Inc.), and Geoffrey Martin (UCSC)
B17: Passive Force-Displacement Relationships from Full-Scale Tests by K.M. Rollins (Brigham Young University), and R.T. Cole (IGES, Inc.)
A19: Lateral Deformation Capacity of Concrete Bridge Piers by Oguzhan Bayrak, and Sungin Bae (University of Texas at Austin)
A20: Caltrans/CGS Downhole Geotechnical Arrays by Pat Hleyper (Caltrans), and Anthony Shakal (California Geological Survey)

Lunch (Noon - 1:00 p.m.)

1:00 p.m.
Session 2A2 (1:00 p.m.)
A18: Real-time, State-of-the-Art Seismic Monitoring of the Integrated Cape Girardeau Bridge Array, Data and Analyses by Mehrdad Cebeci (USGS)
A19: Lateral Deformation Capacity of Concrete Bridge Piers by Oguzhan Bayrak, and Sungin Bae (University of Texas at Austin)
A20: Caltrans/CGS Downhole Geotechnical Arrays by Pat Hleyper (Caltrans), and Anthony Shakal (California Geological Survey)

Session 2B2 (1:00 p.m.)
B19: Lateral Response of Isolated Piles in Liquefied Soil with Lateral Soil Spreading by Mohamed Ashour (WVU Institute of Technology), and Gary Norris (UNR), JP Singh (UP Singh Institute of Technology), and K.M. Rollins (Brigham Young University)
B20: Evaluation of Methods for Analyzing the Seismic Response of Piles Subjected to Liquefaction-Induced Loads by S.R. Rajapaksha, and Tara C. Hutchinson (UCI)
B21: Numerical Simulation of Soil-Foundation Interaction Subjected to Lateral Spreading by Yohsuke Kawamata, Scott Ashford, and Terrawul Jumangririt (UCSD)
B22: A Probabilistic Design Procedure that incorporates the Pile-Plinking Effect in Bridge Foundations Undergoing Liquefaction-Induced Lateral Spreading by Christian A. Leidig, and Jonathan D. Bray (UC Berkeley)
B23: Liquefaction Mitigation using Stone Columns and Wick Drains for Utah Bridges by K.M. Rollins (Brigham Young University), Bradford E. Price (RBG Engineering), Emily Dibb (Brigham Young University), and James Higbe (Utah DOT)

Break (2:45 - 3:15 p.m.)

3:15 p.m.
Session 2A3 (3:15 p.m.)
A23: Seismic Response of the Hwy 46/Cholame Bridge During the 2004 Parkfield Earthquake by Tom Boardman (Geotechnical Engineer), Anthony Sanchez (T.Y. Lin International Inc.)
A24: Lessons Learned from the Seismic Retrofit of the Posey and Webster Street Bridges in Alameda County, California by Thomas S. Lee (Parsons Brinckerhoff Quade & Douglas, Inc.); Randy Anderson, and Rod Murray (Caltrans)
A25: Post Seismic Inspection and Capacity Assessment of Reinforced Concrete Bridge Columns by Marc Veletzos, Maries Panagiotou, Jose I. Restrepo (UCSC); and Stephen Saha (Caltrans)

Session 2B3 (3:15 p.m.)
B24: Damping-Enhanced Seismic Strengthening of RC Columns for Multiple Performance Objectives by G.D. Chen, and Kaz Kari (University of Missouri-Rolla)
B25: Use of Partially Prestressed Reinforced Concrete Columns to Reduce Post-Earthquake Residual Displacements of Bridges by Stephen A. Mahin, (UC Berkeley), Jinich Sakai (Public Works Research Institute), and Hyungil Jeong (UC Berkeley)
B26: Seismic Performance and Design of Bridges with Curve and Skew by Jason Dowan, Jenny Shen, and W. Philip Yen (FHWA)
B27: NCHRP 12-74 Development of Precast Bent Cap Systems for Seismic Regions - Background and Progress by Matthew J. Tobolinski (UCSD); Eric Matsukoto (California State University, Sacramento), and Jose Restrepo (UCSC)
B28: Improved Seismic Performance of Precast Segmental Bridges Using Jointed Column Connections and Unbonded Tendons by Marc Veletzos, and Jose I. Restrepo (UCSC)

Sessions conclude at 5:00 p.m.

6:30 p.m.
Banquet Master of Ceremonies: Phil Yan, FHWA
Golden Gate Ballroom 7:00 p.m. - 9:00 p.m. Cash Bar opens at 6:30
Guest Speaker: Charles Seim, Consulting Engineer "Bridge Engineering - We've Come a Long Way"