

SMIP12 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 2, 2012

Secretary of State Auditorium
1500 11th Street, Sacramento, California

PRELIMINARY PROGRAM

8:00 am **REGISTRATION**

9:15 am **WELCOMING REMARKS**

Farzad Naeim, Strong Motion Instrumentation Advisory Committee (SMIAC)
John Parrish, State Geologist, California Geological Survey
Mark Nechodom, Director, Department of Conservation

INTRODUCTION

Anthony Shakal, Manager, California Strong Motion Instrumentation Program
Moh Huang, California Strong Motion Instrumentation Program

Session I

Moderator: *Marshall Lew*, AMEC and SMIAC

9:30 am **Evaluation of the ASCE/SEI 7 Equations for Seismic Design of Nonstructural Components using CSMIP Records**

Bret Lizundia, and *Saeed Fathali*, Rutherford & Chekene

10:00 am **Earthquake Record Interpretation for Soil-Structure Interactions Effects of Two Instrumented Buildings**

Christine Goulet, PEER and URS Corporation, *Jonathan Stewart*, UCLA, and *Atsushi Mikami*, Tokushima Univ.

10:30 am Break

Session II

Moderator: *Farzad Naeim*, John A. Martin & Assoc. and SMIAC

11:00 am **Dampings in Buildings Identified from Earthquake Strong-Motion Records**

Dionisio Bernal, *Salma Mozaffari*, *Kenny Kwan* and *Michael Dohler*, Northeastern Univ.

11:30 pm **Calibrating Computer Models for Seismic Analysis: Case Studies using Instrumented Building Records**

Daniel Swensen and *Sashi Kunnath*, Univ. of California Davis

12:00 pm **Lunch**
Box lunch will be provided

Session III

Moderator: *Martin Eskijian*, California State Lands Commission and SMIAC

1:00 pm **3D Wave Propagation and Site Effects in the Humboldt Bay Area Using Ground Motion Records from the M6.5 2010 Ferndale Earthquake**
Arben Pitarka, Lawrence Livermore Natl. Lab., *Hong Kie Thio* and *Paul Somerville*, URS Corp.

1:30 pm **Strong Motion Instrumentation of a 62-story Concrete Core Residential Building in San Francisco**
Moh Huang, *Anthony Shakal*, *Carl Petersen*, CSMIP, *Mehmet Celebi*, USGS, *John Hooper* and *Ron Klemencic*, Magnusson Klemencic Assoc.

Ambient Response of a Unique Performance-Based Design Building with Dynamic Response Modification Features
Mehmet Celebi, USGS, *Moh Huang*, *Anthony Shakal*, CSMIP, *John Hooper* and *Ron Klemencic*, Magnusson Klemencic Assoc.

2:10 pm Break

Session IV

Moderator: *Wilfred Iwan*, Caltech and SMIAC

2:40 pm **Hospital Seismic Safety Programs and Strong Motion Instrumentation**
Chris Tokas, Office of Statewide Health Planning and Development (OSHPD)

3:10 pm **San Francisco-Oakland Bay Bridge East Span: Construction Progress and Challenges**
Brian Maroney, California Department of Transportation (Caltrans)

3:40 pm **Adjourn**