

SMIP14 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 9, 2014

International House at UC Berkeley
2299 Piedmont Avenue, Berkeley, California

PRELIMINARY PROGRAM

8:15 am **REGISTRATION**

9:15 am **WELCOMING REMARKS**

Chris Poland, 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 **Ground Motion Simulations: Validation and Application for Civil Engineering Problems**

Jack Baker and *Lynne Burks*, Stanford University

10:00 am **Accounting for Topographic Effects in Ground Motion Prediction Equation**

Adrian Rodriguez-Marek and *Manisha Rai*, Virginia Polytechnic Institute and State University.

10:30 am Break

Session II

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

11:00 am **Evaluation of ASCE/SEI 7 Direction of Loading Provisions using CSMIP Records: An Interim Report**

Reid Zimmerman, *Bret Lizundia* and *Saeed Fathali*, Rutherford + Chekene

11:30 pm **Multi-Component Demands from Instrumental Data: Assessment of Seismic Provisions**

Dinosio Bernal, *Lester Silfa* and *Anshuman Kunwar*, Northeastern University

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

Session III

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

12:50 pm **Seismic Performance Analysis of Pile-Supported Wharves Subjected to Long-Duration Ground Motion**

Stephen Dickenson, Songtao Yang, Doug Schwarm and Matt Rees, New Albion Geotechnical

1:20 pm **Validation of Finite Element Modeling of Lower Crystal Springs Dam using Loma Prieta Recordings and LS-DYNA Explicit Code**

Vojislav Cvijanovic, Mark Schultz, Bill Fraser and Ingrid Dittmar, Department of Water Resources

1:50 pm **Break**

Session IV

Moderator: *Wilfred Iwan*, Caltech and SMIAC

2:10 pm **Modeling Sensitivity in Commonly Used Computer Programs - Case Studies of Instrumented Steel Moment-Frame Buildings**

Daniel Swensen and Sashi Kunnath, UC Davis

2:40 pm **California Earthquake Early Warning System – Status and Future Directions**
(tentative title)

Richard Allen, UC Berkeley

3:10 pm **Highlights of Strong-Motion Data from the M6.0 South Napa Earthquake of August 24, 2014**

Anthony Shakal, Hamid Haddadi and Moh Huang, CSMIP

3:40 pm **Adjourn**