

SMIP25 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 9, 2025

FINAL PROGRAM

9:15 am **WELCOMING REMARKS**

Farzad Naeim, Chair, Strong Motion Instrumentation Advisory Committee (SMIAC)

Jeremy Lancaster, State Geologist and Director, California Geological Survey

9:25 am **INTRODUCTION**

Hamid Haddadi, Program Manager, CSMIP

Daniel Swensen, Data Interpretation Project Manager, CSMIP

Session I

Moderator: *Zia Zafir*, Kleinfelder and SMIAC

9:30 am **Development of a Period-Dependent Duration Model for California**

Chih-Hsuan Sung and *Norman Abrahamson*, UC Berkeley

10:00 am **Preliminary Ergodic Site Response Model for California Conditioned on mHVSr**

Javier Ornelas, Tristan Buckreis, Scott Brandenburg and *Jonathan Stewart*, UCLA

Chris de la Torre, University of Canterbury

Chukwuebuka Nweke, USC

10:30 am **Break**

Session II

Moderator: *Marty Hudson*, Hudson Geotechnics and SMIAC

11:00 am **Recent Research on Ground Motion Directionality in Strike-Slip Earthquakes**

Eduardo Miranda and Nathan Girmay, Stanford

11:30 am **Toward Advancing Ground Motion Model Predictions for the Sierras Region in Eastern California**

Santosh Katuwal, Ramin Motamed and *Renmin Pretell*, UNR

Jeff Bayless, AECOM

Norman Abrahamson, UC Berkeley

12:00 pm **Lunch Break**

<i>Session III</i>

Moderator: *Bret Lizundia*, Rutherford + Chekene and SMIAC

1:00 pm **Pilot Projects on Application of Lower Resolution Strong Motion Instrumentation**

Hamid Haddadi, Dave Branum and Daniel Swensen, CSMIP

1:30 pm **Performance Update of Base Isolated Buildings Instrumented by CSMIP in Los Angeles in Recent Earthquakes**

Aniruddha Das and *Satish Nagarajaiah*, Rice University

2:00 pm **Break**

<i>Session IV</i>

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

2:30 pm **Seismic Performance of Bridges with Pier Walls**

William Wang, Jack Moehle and *Tracy Becker*, UC Berkeley

3:00 pm **Assessment of Critical Lifeline Structures: Seismic Response of California Earth Dams using Empirical, Numerical, and Experimental Approaches**

Adda Athanasopoulos-Zekkos, UC Berkeley

3:30 pm **Adjourn**