
**SMIP22 SEMINAR ON
UTILIZATION OF STRONG-MOTION DATA**

October 12, 2022

FINAL PROGRAM

9:15 am **WELCOMING REMARKS**

Farzad Naeim, Chair, Strong Motion Instrumentation Advisory Committee (SMIAC)
David Shabazian, Director, California Department of Conservation

9:25 am **INTRODUCTION**

Hamid Haddadi, Program Manager, California Strong Motion Instrumentation Program
Dan Swensen, Senior Civil Engineer, California Strong Motion Instrumentation Program

Session I

Moderator: *Chris Tokas*, HCAI and SMIAC

9:30 am **50th Anniversary of CSMIP: Past, Present and Future**

Hamid Haddadi, California Strong Motion Instrumentation Program
Farzad Naeim, SMIAC

10:30 am **Break**

Session II

Moderator: *Zia Zafir*, Kleinfelder and SMIAC

11:00 am **Broadening the Utilization of CSMIP Data: Double Convolution Methodology towards Developing Input Motions for Site Response & Nonlinear Deformation Analyses**

Renmin Pretell, S. K. Sinha and *Katerina Ziotopoulou*, UC Davis
Jennie Watson-Lamprey, Slate Geotechnical Consultants
Dimitrios Zekkos, UC Berkeley

11:30 am **Measurement and Identification Protocols for Horizontal-to-Vertical Spectral Ratio Peaks**

Pengfei Wang, Paolo Zimmaro and *Jonathan P. Stewart*, UC Los Angeles
Sean K. Ahdi and Alan Yong, US Geological Survey

12:00 pm **Lunch Break**

Session III

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

1:00 pm **Enhancing ASCE-41 Nonlinear Modeling Guidelines and Acceptance Criteria using Instrumented Reinforced Concrete Shear Wall Buildings**

Laura Hernandez-Bassal and *Sashi Kunnath*, UC Davis

1:30 pm **Validation of Seismic Design Provisions for Diaphragms and Assessment of Higher-Mode Responses on Earthquake-Resistant Buildings**

C. Franco Mayorga and *Georgios Tsampras*, UC San Diego

2:00 pm **Break**

Session IV

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

2:30 pm **Next Generation Seismic Hazard Analysis of Embankment Dams: Case of the Long Valley Dam, CA**

Kim Olsen, T.-Y. Yeh and Daniel Roten, San Diego State University

3:00 pm **Using CSMIP Data to Derive Reliable Values of Dynamic Response Parameters for Earth Dams in California**

Makbule Ilgac and *Adda Athanasopoulos-Zekkos*, UC Berkeley

3:30 pm **Adjourn**