

**SMIP21 SEMINAR ON
UTILIZATION OF STRONG-MOTION DATA**

October 21, 2021

FINAL PROGRAM

9:00 am **WELCOMING REMARKS**

Farzad Naeim, Chair, Strong Motion Instrumentation Advisory Committee (SMIAC)
Steve Bohlen, Acting State Geologist, California Geological Survey (CGS)

9:20 am **INTRODUCTION**

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

Session I

Moderator: *Zia Zafir*, Kleinfelder and SMIAC

9:30 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

10:00 am **Move from Soil/Rock: Site Response Based on the Difference in the VS Profile for the GMPE and the Site-specific VS Profile**

Norman Abrahamson, UC Berkeley

10:30 am **Break**

Session II

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

11:00 am **Utilizing Instrumented Data to Assess ASCE-41 Acceptance Criteria for Steel Moment Frame Buildings**

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

11:30 am **Collaborative Recorded Data Based Response Studies of Four Tall Buildings in California**

Dan Swensen, California Strong Motion Instrumentation Program
Mehmet Celebi, U.S. Geological Survey

12:00 pm **Lunch Break**

Session III

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

1:00 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

1:30 pm **Artificial Intelligence-Enabled Structural Health Monitoring**

Yuqing Gao and *Khalid Mosalam*, UC Berkeley

2:00 pm **Break**

Session IV

Moderator: *Marshall Lew*, Wood and SMIAC

2:30 pm **ShakeAlert Earthquake Warning: The Challenge for Transforming Ground Motion into Protective Actions**

Douglas Given, U.S. Geological Survey

3:00 pm **The Community Seismic Network for Dense, Continuous Monitoring of Ground and Structural Strong Motion**

Monica Kohler, Caltech

3:30 pm **Adjourn**