SMIP23 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 19, 2023

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, California Strong Motion Instrumentation Program
       Dan Swensen, Senior Civil Engineer, California Strong Motion Instrumentation Program

Session I

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

9:30 am   **Structural Response Prediction using Deep Neural Networks**
       Issac Kwok-Tai Pang, Selim Gunay and *Khalid M. Mosalam*, UC Berkeley

10:00 am   **Inherent Damping During Nonlinear Seismic Response**
       Dennis Bernal, Northeastern University

10:30 am   **Break**

Session II

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

11:00 am   **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

11:30 am   **Using CSMIP Data to Derive Reliable Values of Dynamic Response Parameters for Earth Dams in California**
       Makbule Ilgac and *Adda Athanasopoulos-Zekkos*, UC Berkeley

12:00 pm   **Lunch Break**

Session III

Moderator: *Zia Zafir*, Kleinfelder and SMIAC

1:00 pm   **Calibration of the Near-surface Seismic Structure in the SCEC Community Velocity Model Version S**
Kim Olsen and Te-Yang Yeh, San Diego State University

1:30 pm   **Usability of Ground Motions Recorded by Community Seismic Network**
Shako Ahmed, Tristan Buckreis, Yousef Bozorgnia and *Jonathan P. Stewart*, UC Los Angeles

Rashid Shams and Chukwuebuka Nweke, University of Southern California

Monica Kohler, Caltech

2:00 pm   **Break**

Session IV

Moderator: *Eduardo Miranda*, Stanford and SMIAC

2:30 pm   **2023 Turkey Earthquake Sequence**
Seismology and Faulting: *Sinan Akciz*, Cal State Fullerton

Geotechnical Engineering: *Robb Moss*, Cal Poly San Luis Obispo

Structural Engineering: *Ayse Hortacsu*, Applied Technology Council

Strong Motion Data: *Tristan Buckreis*, UC Los Angeles

3:30 pm   **Adjourn**