

## PREFACE

The California Strong Motion Instrumentation Program (CSMIP) in the California Geological Survey (previously known as the Division of Mines and Geology) of the California Department of Conservation established a Data Interpretation Project in 1989. Each year the CSMIP funds several data interpretation contracts for the analysis and utilization of strong-motion data. The primary objectives of the Data Interpretation Project are to further the understanding of strong ground shaking and the response of structures, and to increase the utilization of strong-motion data in improving post-earthquake response, seismic code provisions and design practices.

As part of the Data Interpretation Project, CSMIP holds annual seminars to transfer recent research findings on strong-motion data to practicing seismic design professionals, earth scientists and post-earthquake response personnel. The purpose of the annual seminar is to provide information that will be useful immediately in seismic design practice and post-earthquake response, and in the longer term, in the improvement of seismic design codes and practices. The SMIP03 Seminar is the fourteenth in this series of annual seminars.

The SMIP03 Seminar is divided into four sessions. Session I includes two presentations on ground motion topics. Session II will focus on post-earthquake response and includes updates on ShakeMap and the CISN Engineering Data Center, and the final report on the ATC-54 Guidelines for Using Strong-Motion Data and ShakeMap in Post-Earthquake Response. There will also be an update on HAZUS loss estimation using ShakeMap. Session III will include two presentations on lifeline structures. Session IV will include two presentations on buildings. The Seminar will end with a field trip to the Oakland City Hall. Before the field trip, we have invited Mason Walters to discuss the design approach and new structural system for strengthening the City Hall. This will be followed with a presentation on the strong-motion instrumentation and recorded strong-motion data from the City Hall.

The seminar will include presentations by investigators of seven CMIP-funded projects. Four projects have been completed and their final reports will be available this year. The other three projects are scheduled to be completed by the end of 2003, so the investigators can only present preliminary or interim results. The final results will be presented at the next year's seminar (SMIP04).

Moh J. Huang  
Data Interpretation Project Manager