

Association of Engineering Geologists  
Attention: Bruce Hilton  
3077 Fite Circle  
Sacramento, California 95827

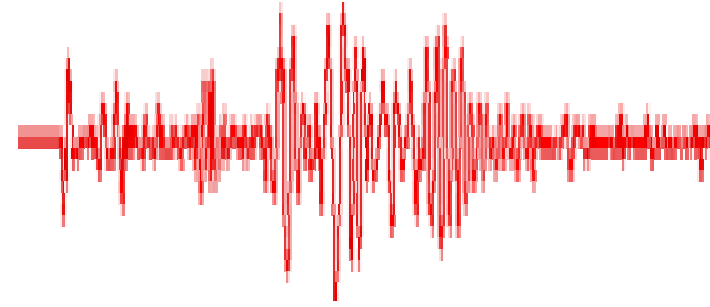
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# SEISMIC HAZARDS ANALYSIS

## WORKSHOP ON SEISMIC HAZARD ANALYSIS

Presented by:  
Association of Engineering Geology  
Sacramento Section.



**WHEN:**  
Thursday, May 15, 2003  
8am - 5pm

**WHERE:**  
Pool and Recreation  
Center  
University of California  
Davis, California

Corporate Sponsorships available for \$500 – contact Bruce Hilton at  
(916) 366-1701 or [bhilton@kleinfelder.com](mailto:bhilton@kleinfelder.com)

# SEISMIC HAZARDS ANALYSIS

## WORKSHOP OVERVIEW:

Seismic Hazard Analysis (SHA) requires knowledge in the fields of geology, seismology, geotechnical, and structural engineering. The Association of Engineering Geologists, Sacramento Section is pleased to offer a one-day workshop highlighting the critical features of effective Seismic Hazard Analysis.

The workshop is Part I of a two-part series on seismic hazard analysis. This workshop will cover a wide range of topics including deterministic and probabilistic hazard analysis and development of site-specific ground motion parameters such as peak ground accelerations and design response spectra. The workshop will involve real life example problems to demonstrate the use of available analytical tools in estimating the required ground motion parameters. Representatives from different government agencies such as CGS, DSOD, CALTRANS etc. will be on-hand to present their requirements for ground motions studies. In addition, a representative from the structural engineering community will present a structural engineer's perspective for SHA.

Part II of the Workshop (to be held this Fall), will focus on the technical analysis associated with SHA including current software applications

## WORKSHOP AGENDA:

Pool & Recreation Center, UC Davis  
 Thursday, May 15, 2003  
 8:00 AM to 5:00 PM  
MORNING

- Welcome and Introduction to Workshop
- Structural Engineer's Perspective
- Perspective on Seismic Hazards from Different Agencies Including CGS, CALTRANS, and DSOD
- Ground Motion Parameters
- Probabilistic vs. Deterministic Analysis
- Understanding Probabilistic Seismic Hazard Analysis (PSHA)

## AFTERNOON

- Input Parameters for PSHA
- Attenuation Relationships
- Estimating Ground Motion Parameters using PSHA
- Example Problem

## WORKSHOP BENEFITS:

- Keep current with the latest developments in SHA
- Learn critical input parameters for SHA
- Keep current with current regulatory SHA requirements
- Discover current software offerings for SHA

## WHO SHOULD ATTEND?

Engineering Geologists, Geotechnical Engineers, Project Engineers, Structural Engineers, Students

## COST:

**AEG MEMBERS: \$135**

**NON-MEMBERS: \$195** – Includes One Year AEG National/Local Membership Dues - \$55 Savings!

## INSTRUCTORS:

**IVAN G. WONG, Ph.D.** Manager, Seismic Hazards Group, URS Corporation is an internationally recognized expert on ground motions and serves on numerous committees related to seismic hazards and seismic code issues.

**EDWARD KAVAZANJIAN, Ph.D., P.E., G.E.**

**ZIA ZAFIR, Ph.D., P.E.**

Seismic Group Manager, Kleinfelder. Dr. Zafir has more than 15 years of experience in geotechnical and earthquake engineering. He has developed ground motion parameters for several world renowned projects including Golden Gate Bridge, Tacoma Narrows Bridge, and Jamuna River Bridge in Bangladesh

## GUEST SPEAKERS

**R. JAY LOVE, S.E.,** Senior Principal, Degenkolb Engineers

**CHRIS WILLS.,** Senior Geologist, California Geological Survey

**WILLIAM A. FRASER,** Chief, Geology Branch, Division of Safety of Dams

**BRIAN CHIOU,** Senior Seismologist, California Department of Transportation

## WORKSHOP ON SEISMIC HAZARD ANALYSIS

### SEISMIC HAZARD WORKSHOP REGISTRATION FORM

Workshop fee includes Continental Breakfast, Lunch, Afternoon Snack and a copy of the lecture notes. Advance pre-paid registration is recommended. Attendance is limited and space is available on a first-come basis.

Name \_\_\_\_\_ Title \_\_\_\_\_

Business Name/Affiliation \_\_\_\_\_

Street Address/P.O. Box \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Daytime Phone/Fax (Include Area Code) \_\_\_\_\_

E-mail \_\_\_\_\_

TOTAL AMOUNT ENCLOSED \$ \_\_\_\_\_

Please make checks payable to: **AEG Sacramento**

Copies of this registration form may be made or downloaded and printed from our website at: [www.aegsacto.org](http://www.aegsacto.org)

Please clip and mail (along with payment) to:

**Association of Engineering Geologists**

Attention: Bruce Hilton

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### DIRECTIONS TO UC DAVIS

Directions to the campus are shown in the map to the right. Please be informed that parking fees will be required in any of the student day lots. Parking permits may be purchased at ticket kiosks in parking lots.

