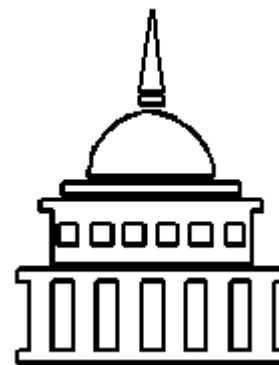


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ASSOCIATION OF ENGINEERING GEOLOGISTS

AEG Student Night!

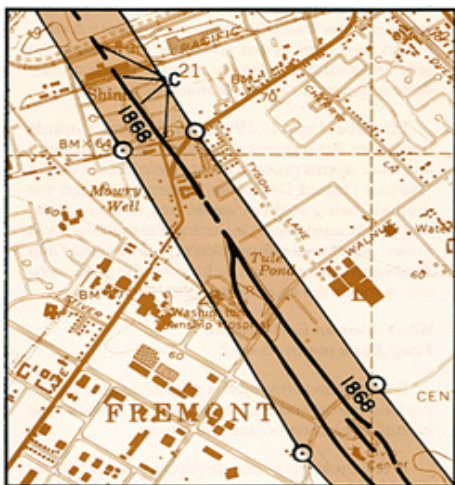
Meeting Announcement
&
Speaker Abstract



Section Meeting Date: October 26, 2004, 6:00 - 9:00 PM (**Tuesday**)

Meeting Location: **CSUS Alumni Center**, California State University Sacramento (adjacent to Hornet Stadium). Take Howe Ave. to College Town Dr./ State University Dr. South. Turn right on Stadium Drive for parking.

Meeting Time:	6:00 - 6:30	Sign-In
	6:30 - 7:15	Student Poster Session & Social Hour
	7:15 - 8:15	Dinner, Announcements & Awards Presentation
	8:15 - 9:00	Speaker Talk & Slide Show
	9:00 - 9:15	Questions & Answers



Seismic Ground Failure Mapping at the California Geological Survey

SPEAKER: Tim McCrink
Senior Engineering Geologist
California Geological Survey

Abstract

California has by far the highest exposure to earthquake hazards in the United States. In addition to the hazard associated with strong earthquake shaking, ground failures in the form of surface fault rupture, liquefaction and landslides pose significant hazards to the built environment. While shaking hazards to structures are addressed by building codes, building codes do not adequately address ground failure hazards. The California Geological Survey has mapped, and continues to map significant portions of the state for these ground failure hazards by delineating "zones of required investigation." Site-specific engineering geologic and geotechnical engineering investigations are required within these zone areas prior to the issuance of permits for development. To prepare the various

zone maps, geologists at CGS employ traditional geologic mapping techniques as well as modern digital mapping methods including GIS and remote sensing. CGS's approach to mapping ground failure hazards through zoning has had the beneficial effects of promoting better development policies at the local government level, focusing site-specific studies on areas where they are needed, and raising the standard of practice in the geoscience and geotechnical professions. For environmental and geologic mapping will be demonstrated through several case histories.

Tim McCrink

Senior Engineering Geologist
California Geological Survey

Tim McCrink is a senior engineering geologist with the California Geological Survey where he currently oversees the production of the earthquake-induced landslide zone maps for the Seismic Hazards Mapping Program. Prior to joining CGS in 1988, Tim worked in geotechnical consulting in Sacramento, petroleum exploration in the Louisiana Gulf Coast, and mineral exploration in Alaska. He received a Bachelors degree in geology from Fairleigh Dickinson University in Madison, New Jersey, a Masters degree in geology from the New Mexico Institute of Mining and Technology in Socorro, and he has completed numerous undergraduate and graduate civil engineering classes at CSU Sacramento.



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A Message from Your Board

Dear Members and Friends,

The Dearborn National AEG Meeting came off without a hitch earlier this month and, although a bit smaller than usual, the consensus was that the meeting was its usual opportunity to share knowledge, relationships, and stay in touch with cutting edge Engineering Geology. Some notable topics included GIS applications, emphasis on Site Characterization as being fundamental to our practice, and in the usual great style of Bob Tepel, a lively session on what our profession is and where it is going. This topic (by the way) is one that I am going to strongly suggest to our section as a possible dinner meeting for next year.

Our own David Bieber, this year's National President led focused and valuable discussions and voted on a long list of critical functions within our organization. Over the weekend following the conference, Dave and the Board paved clear direction for our publications, future conferences, controls on governance issues, development of new membership, and a great deal of discussion recognizing our environmental engineering practice members. This will no doubt take a lot of Dave's energy this year so please support him by volunteering to help locally and nationally however you fit in best. Volunteers are needed for the following AEG needs:

- National Site Characterization Committee (guidelines and training)
- Sacramento 2010 National Conference Proposal Committee
- 2005 Sacramento Fieldtrip Committee
- 2005 GIS Workshop Committee

Save your quarters (at least) for next Fall 2005 National Meeting in Las Vegas, NV. I hope to see all of you at our first ever Student Night at the Sac State Campus Tuesday October 26th.

Bruce Hilton

**FACSIMILE TRANSMITTAL
(OR E-MAIL BY CLICKING LINK BELOW)**

To: Dianne Tibbs (Youngdahl Consulting Group)

e-mail: mail@youngdahl.net

Phone: 916.933.0633

Fax: 916.933.6482

From: _____

Subject: October 2004 AEG Sac Section Meeting

Date: October 26, 2004 (**Tuesday Evening**)

Place: **CSUS Alumni Center**
California State University, Sacramento

Time: 6:00 - 6:30 PM - Sign In
6:30 - 7:15 PM - Student Poster Session and Social Hour
7:15 - 8:15 PM - Dinner, Announcements and Awards Presentations
8:15 - 9:00 PM - Speaker Talk and Slide Show
9:00 - 9:15 PM - Questions and Answers

Dinner for this special event will be catered by Ettore's! Additional details about this meal will be forthcoming by e-mail soon!

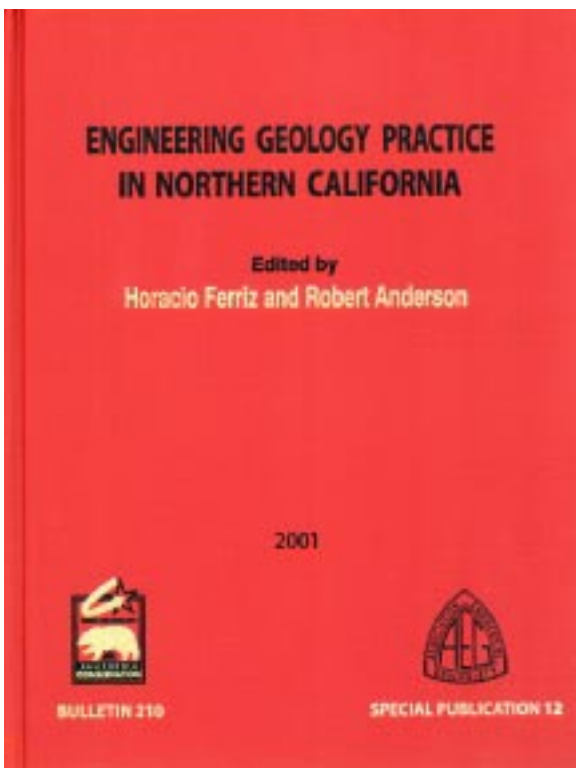
Cost is \$22 for all*

Notes*: All Geology Students Eat For Free!
Alcoholic beverages are available for members 21 and over on a cash basis.



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ORDER FORM

The Sacramento and San Francisco Sections of AEG, in partnership with the California Geological Survey (formerly Division of Mines & Geology), are pleased to announce the availability of the long anticipated hard-bound treatise on State of the Practice for Engineering Geology in northern California.

Only 600 volumes were published of this significant reference work. The hands-on case studies cover seismicity and fault hazards, landslides, facilities and infrastructure, tunnels and transportation, residential development, and assorted geologic hazards. The volume also includes two richly detailed summary overviews, one on northern California geology and the other on the groundwater resources of northern California. The complete Table of Contents may be viewed on the AEG Sacramento Section's website at: <http://www.aegsacto.org>

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Our Sac Section 2004 Calendar as it currently stands (10.16.04):

January 27 th	Bruce Hilton, Kleinfelder: The California High Speed Rail System
February 23 rd	Scott Burns, AEG: Wine and Geology
March 6 th	Field Trip - Wine & Rocks of the Sierra Foothills Trip Leader: George Wheeldon [Charter Bus]
March 30 th	Horatio Ferriz
April 23 rd	Seismic Hazards Analysis Workshop, Part II
April 27 th	Dave Simon, AEG National: The "Downtown Fault" in Salt Lake City, Utah
May 25 th	David Sederquist, Youngdahl Consulting Group: Our Changing Perspectives on the Management of Naturally Occurring Asbestos, a Geologist's View
June 29 th	Dr. H. Gary Greene, Moss Landing Marine Laboratories: Tsunami Generating Landslides Along the California Margin
July	No Meeting
August 17 st	Dr. Jim Ellis, Mapping with Remote Sensing &GIS
September	AEG Annual Meeting: Deerborne, Michigan
October 26th	California State University Sacramento Student Night Tim McCrink, CGS: Seismic Ground Failure Mapping at the California Geological Survey
November 19 th	California State University Sacramento Geology Club First Annual Rock Auction (see flyer on page 8!)
December 8 th	AEG/GRA Joint Holiday Meeting Jeff Keaton: AEG Distinguished Jahns Lecturer

AEG-SAC Section
<<http://www.aegsacto.org>>
Contact List

2004/Officers & Committee Chairs

Section Chairperson:

Bruce Hilton
Kleinfelder Inc.
3077 Fite Circle
Sacramento, California 95827
(916) 366-1701
bhilton@kleinfelder.com

Legislation and Regulatory Affairs:

Marcia Kiese, Chair
California Department of Transportation
5900 Folsom Blvd.
Sacramento, CA 95819
(916)227-6942
marcia_kiese@dot.ca.gov

Vice-Chairperson:

Darcie Leclercq
Wallace-Kuhl & Associates, Inc.
3050 Industrial Blvd.
West Sacramento, CA 95691
(916) 372-1434
dleclercq@wallace-kuhl.com

National Newsletter Correspondent:

Stephen Testa
Testa Environmental Corp.
(209)754-1422
stesta@goldrush.com

Secretary:

T. Nathan Manley
Geocon, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
(916) 362-5879
tnmanley@sbcglobal.net

Scholarship Chair:

Keith Millard
Youngdahl Consulting Group, Inc.
1234 Glenhaven Court
El Dorado Hills, California 95762
(916) 933-0633
mail@youngdahl.net

Treasurer:

Victoria Walker
Youngdahl Consulting Group, Inc.
1234 Glenhaven Court
El Dorado Hills, California 95762
(916) 933-0633
vdw@youngdahl.net

WebMaster: (Vacant)

Eric Hubbard (In absentia)
Kleinfelder, Inc. - Reno
ehubbard@kleinfelder.com

Membership Chair:

Pat Fischer
Blackburn Consulting Inc.
3265 Fortune Court
Auburn, CA 95602
(530) 887-1494
patf@blackburnconsulting.com

North Valley Chapter:

Jim Bianchin, Chapter Chair
Curry Group, Inc.
6724 Lockheed Drive, Suite 4
Redding, CA 96002
(530)223-1277
jbianchin@currygroup.com

Sponsorship Chair:

Eric Chase
ENSR Northern California
(916) 362-7100
echase@ensr.com