



## Meeting Details:

- **Tuesday, March 9<sup>th</sup>**
- Sinbad's, San Francisco
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Speaker
- \$30 members, \$15 students, \$35 non-members

**Reservations Due By NOON, FRIDAY MARCH 5<sup>th</sup>!**

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## MARCH 2004 PROGRAM – STUDENT NIGHT

Brian Collins, University of California, Berkeley

### ***FIELD BEHAVIOR AND FAILURE MECHANICS OF VARIABLY CEMENTED COASTAL BLUFF DEPOSITS***

Coastal bluffs in young, variably cemented, marine terrace deposits along the San Francisco peninsula form one of the more active geologic terrains on the California coast and failures occur annually during the winter storm season. During the past three years, an intense field research program was performed that included the observation, geologic mapping, and identification of the triggering mechanisms for a 1-kilometer section of these bluffs. Now, detailed stability analyses have been developed that aim to accurately explain the field behavior of the observed bluff failures. Analyses are dependent on both the identified triggering mechanism and the observed failure mode which is in turn, dependent on the degree of cementation of the coastal bluff material. The analyses show that several different slope stability models are necessary to accurately predict slope failure in this type of terrain.

***(Continued on Page 3)***

Jordan Muller and Atilla Aydin, Stanford University

### ***USING GEOMECHANICAL MODELING TO CONSTRAIN THE 3-D FAULT GEOMETRY WITHIN THE MARMARA SEA, TURKEY***

The most hazardous seismic gap along the North Anatolian fault in Turkey is now recognized as being within the Marmara Sea, with Istanbul - a city with over 12 million inhabitants - lying on its northern shore. In order to determine the fault structure within the Marmara Sea, geophysical surveys over the past six years have provided high-resolution multi-beam bathymetry and a variety of seismic reflection data sets. Despite the increased quantity of data, the definitive 3-D fault geometry within the Marmara Sea remains elusive. I present a geomechanical modeling method for characterization of 3-D fault geometry within the Marmara Sea. In my model, faults within a specified 3-D geometry are allowed to slip in response to regional stress loading conditions for the Marmara Sea region. Computed fault slip distributions and ground surface displacements are computed and compared to bathymetric, seismic reflection, and earthquake focal mechanism data.

***(Continued on Page 3)***

Anne Rosinski, San Jose State University

### ***GEOLOGIC AND GEOTECHNICAL CHARACTERIZATION FOR REGIONAL LIQUEFACTION-INDUCED DEFORMATION MAPPING***

Any efforts to produce maps of liquefaction hazard must take into account the nature and variability of the geologic deposits in the region to be mapped. The focus of this research is to provide a 3-dimensional description of the regional geology of the tectonically active northern Santa Clara Valley. This geologic characterization is then used in a feasibility study that combines new models for predicting strain to develop regional (1:24,000-scale) hazard maps based on predicted surface deformation resulting from liquefaction. Such maps may in the future be used to supplement classical liquefaction susceptibility or liquefaction potential maps and provide information to serve emergency response planning, mitigation prioritization and lifeline system vulnerability assessments.

In this study, 668 boring logs are used to characterize the geology of the Northern Santa Clara Valley.

***(Continued on Page 3)***

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The AEG San Francisco Section Newsletter is a monthly publication of the San Francisco Section of the AEG.

For more information, visit [www.aegsf.org](http://www.aegsf.org).

**Submittals:**

Deadline is the 20th of each month for the following issue. Contact Maile Smith by email ([newsletter\\_editor@aegsf.org](mailto:newsletter_editor@aegsf.org)) for submittal. All submittals are subject to editing for space considerations. Employment notices are free if brief.

**Address changes:**

Please submit to Section Secretary, Janine Weber Band ([secretary@aegsf.org](mailto:secretary@aegsf.org)).

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1/2 page:	\$60 / month

**IN THIS ISSUE...**

- ***Chair's Message***
- ***March Meeting Details***
- ***Member Updates and Other News***
- ***Short Course and Field Trip Announcements***
- ***Employment Notices***

**CHAIR'S MESSAGE**

Do you ever have that constant, nagging feeling that you're forgetting something? There are so many Section activities being planned that I'm sure I'm going to forget something. We have great speakers lined up for Section meetings well into the summer now. Our second joint CCGO/AEG-SF meeting and CCGO fundraiser will be held at the Old Spaghetti Factory in Oakland on May 11<sup>th</sup> (our usual second Tuesday); Tanya Atwater will be traveling from Santa Barbara to speak to us about plate tectonics. We have purchased tickets for an afternoon Giant's game on May 29<sup>th</sup> at Pac Bell Park. We had a great time tailgating before the game last year and I hope there will be more folks joining us for the party this year (we'll keep you posted on the details). Finally, we are trying to move forward with developing a scholarship and starting a bank account specifically dedicated to the scholarship.

March is a busy month for the Section. The San Jose State University Department of Geology is sponsoring this month's Section meeting at Sinbad's in San Francisco. In keeping with tradition, the March meeting is student night – students from San Jose State, Stanford, and Berkeley will present their research. I encourage all of you to attend this meeting and show your support of the students. At the end of this month is the highly anticipated Seismic Hazard of the Range Front Thrust Faults field trip. There is more information on the field trip in this newsletter and on our web page. Space is limited, so please sign up early if you wish to attend the field trip.

There are still some members who have not paid their dues – please renew, we don't want to lose any Section members! The Section is still in need of a power point projector and a small PA system. Would anyone like to donate either of these items? Donations to AEG are tax-deductible. Finally, we have had great response to advertising the Engineering Geology Practice in Northern California volume with other Sections. If you wish to purchase one of these volumes, it's probably a good idea to make your purchase soon!

Thank you all for your continued interest in AEG,

*Corinne*  
 Chair, AEG San Francisco Section

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Sponsor a Section Meeting or become a Section Corporate Sponsor! Show support for an individual presentation or a specific meeting, or donate to the Section and receive free advertisement each month, recognition at Section Meetings, and more!

Contact Corinne Stewart at [chair@aegsf.org](mailto:chair@aegsf.org) for more information on sponsorship.

**AEG San Francisco Section Thanks our  
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## **MARCH SECTION MEETING DETAILS**

The March Section Meeting will be held at Sinbad's restaurant, Pier 2, Embarcadero Street (cross street: Mission), San Francisco, California, 415-781-2555. Please enter through the main door and proceed to your left.

### **Directions**

From 101 North - Exit I-80 East towards Bay Bridge/Oakland. Continue for about ½ mile and take the 7th Street exit towards Downtown. Bear left on 7th Street. After approximately ½ mile, turn right on Mission Street. Continue until Embarcadero Street.

From 80 West (Bay Bridge) - Take the Harrison Street exit towards Embarcadero. Continue on Fremont Street for ½ mile. Turn right on Mission Street. Continue until Embarcadero Street.

**Reservations must be faxed to Corinne Stewart by noon on Friday March 5<sup>th</sup>.**

*The RSVP form is on the back page of the newsletter.*

**NO SHOWS AND LATE CANCELLATIONS  
WILL BE CHARGED**

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**Thanks to San Jose State University  
Geology Department for sponsoring the  
AEG SF March Section meeting!**

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## **SPEAKER ABSTRACTS AND BIOGRAPHIES**

*(CONTINUED FROM PAGE 1)*

### **Brian Collins' Biography**

Brian Collins is a doctoral candidate in geotechnical engineering and engineering geology at the University of California, Berkeley. He received his Masters degree in geotechnical engineering from the University of Colorado, Boulder and his bachelors degree in civil engineering from Purdue University. Brian also worked for Golder Associates in Denver, Colorado for three years as a project engineer and is a registered professional civil engineer in California.

### **Jordan Muller Abstract (cont.)**

Testing several fault models proposed by different authors, my results indicate that a fault geometry composed of a segmented, roughly east-west trending right-lateral strike slip fault with branching basin-bounding faults, as proposed by Armijo et al. (2001), best fits the observed deformation pattern.

### **Jordan Muller's Biography**

Mr. Muller is a PhD student at Stanford University working with Professor Atila Aydin. His MS degree is from the University of Hawaii at Manoa in Honolulu, Hawaii and his undergraduate degree is from Franklin and Marshall College in Lancaster, Pennsylvania. His doctoral dissertation focuses on the mechanical

interaction of earthquake faults in northwestern Anatolia, Turkey.

### **Anne Rosinski Abstract (cont.)**

Qualitative geologic information and quantitative geotechnical boring log information are linked together; each layer in each boring is assigned a geologic map unit designation thereby expanding the description of each geologic unit to include quantifiable geotechnical characteristics. A map depicting the maximum thickness Holocene sediment with potentially liquefiable textures is developed. Further, statistical analysis on geologic map units based upon measurable soil properties is carried out. With sufficient data to characterize the properties of each geologic map unit, maps of potential surface deformation can be developed by grouping units (and their respective map polygons) likely to experience similar quantities of deformation in future earthquakes. The results of the feasibility investigation reveal that late Holocene deposits are likely to experience the greatest liquefaction-induced strain, while older deposits are likely to experience significantly less horizontal and vertical strain in future earthquakes.

### **Anne Rosinski's Biography**

Anne Rosinski is a Registered Geologist at the California Geological Survey, where she has worked since 2000. At CGS, Anne works in the Seismic Hazard Mapping Program and is involved in liquefaction-induced deformation research co-sponsored by CGS and the Pacific Earthquake Engineering Research Center. Before joining CGS, Anne worked as a Senior Hazard Mitigation Specialist for FEMA and as a geologist for Cleary Consultants, Inc. She completed a BA in English Literature at San Francisco State University in 1990, a BS in Geology at San Francisco State University in 1995, and is currently working toward the completion of an MS in Engineering Geology at San Jose State University.

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## **MEMBER UPDATES AND OTHER NEWS**

### **Proposed AEG Policy Statements for Seismic Safety, Weak Rock Classification, and Site Characterization**

Over the years our Association has developed Policy Statements for various elements of our profession. The primary purpose of a policy statement is to establish an Association position and/or practical guideline for the specific topic. Policy statements are proposed by

committees or ad hoc committees established for a specific topic.

At the 2003 Board of Directors meeting in Vail, Colorado, proposed policy statements on Seismic Safety, Site Characterization, and Classification of Weak Rock were presented for consideration. The consensus of the Board was that the policies could not be adopted because opinions varied considerably. It was decided that wider discussion should occur on the proposed policy statements and the statements should be presented in the AEG News for member input.

To access the policy statements: (1) Log onto the AEG web site ([www.aegweb.org](http://www.aegweb.org)), (2) Access the Member Services section by logging in with your member number and password (found on membership cards), (3) Click on the *View Member Documents* link. The statements are posted individually for your review.

When reviewing the statements please consider the following:

- Whether you are in favor of having the Association develop a policy on the specific topic.
- Does the statement reflect AEG principals and beliefs?
- Would the policy statement be useful to its specific community?

If all previous were answered yes, provide comments to improve the statements. To do this, go to the AEG Message Board and select *Proposed Policy Statements* forum. Please post your comments on the Bulletin Board for consideration by others. The Bulletin Board will close on April 15, 2004. Comments will be reviewed and the proposed policy statements will be presented at the 2004 Mid-year Board meeting.

**Thank You to the Corporate Sponsors of  
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**Applied Geomechanics – Santa Cruz**

**Exponent Failure Analysis – Menlo Park**

**Upp Geotechnology – San Jose**

#### Fun with Geoscience Trivia (from GSA)

Answers on Page 7.

1. What is the collective name given to all cave formations?
2. What unit is used to describe permeability?
3. What was the date and year of Krakatoa's major eruption?

#### GSA Poll

To what degree do you think that geoscience curricula in the university environment should stress the practical uses of geology to society?

- Practical application should have more emphasis
- The practical / theoretical balance is currently about right
- Practical application should have less emphasis
- Don't Know

Visit <http://www.geosociety.org/mbrNews/0402/poll.htm> to participate in the poll.

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#### Please pay you 2004 dues!

The following AEG San Francisco Section members have not yet renewed their membership for this year. *We don't want to lose anyone!* Please, if you know someone on this list (or if you are on this list), encourage him/her to renew their membership. Membership can be renewed online at [AEGweb.org](http://AEGweb.org). Please e-mail Becky Roland at [broland@aegweb.org](mailto:broland@aegweb.org) if you need assistance.

*Brian Buhowsky, William Henrich, Chanie Abuye, Joel Greger, Chris Hundemer, Clifton Davenport, Carolyn Myhre, Dawn McGuire, Donald Fowler, Eric Eddlemon, Michael Malone, John Alt, George Platker, Graham Irvine, Grant Wilcox, Michael Gray, James Babcock, Jose Cercone, James Faris, Jeff Richmond, Jason Patton, Bijan Khazai, Keith Knudsen, Isabell Lamb, Robert Urban, Lawrence Pavlak, Thomas Lee, Linda Spencer, Mikko Valkonen, Anthony Chol, Jason Woodward, Nathan Soule, Hesham Alalusi, Peter Yen, Gus Raggambi, Robert Nelson, Gary Kupp, Sadek Derrega, James Sickles, Karl VonderLinden, Susannah Belding, Timothy Shalen, Robert Russell, Stephen Johnson, David Rogers, Darwin Myers, Thomas Kolbe, Roland Johnson, Thomas Spittler, Michael Carey, Miles Grant, Dale Dell'Osso, Sally McCraven, Mark Caruso, Ivan Wong, Phyllis Flack, Eric Garcia*

#### Wanted: Projector and Wireless Microphone

AEG-SF is in considerable need of a projector and a wireless microphone. If you or anyone you know might want to donate some equipment that is obsolete to them but still useful for AEG, please contact Corinne Stewart at [chair@aegsf.org](mailto:chair@aegsf.org).

Note: *Equipment donated to AEG-SF is tax-deductible!*

## UPCOMING AEG-SF MEETINGS

Date: April 13, Tuesday  
 Speaker: Donald Wells, Geomatrix Consultants  
 Topic: Location of the Hayward Fault at UC Berkeley's Memorial Stadium  
 Place: Restaurant to be Determined

Date: May 11, Tuesday  
 Speaker: Tanya Atwater, UCSB  
 Topic: Plate Tectonics  
 Place: Old Spaghetti Factory

## OTHER MEETING ANNOUNCEMENTS

### NCGS Meetings

Dr. Judd Case, Dean of Science at Saint Mary's College, will speak about his Expedition to Antarctica (in Search of Cretaceous Fossils). The meeting is at 7:00 PM on Wednesday, March 31<sup>st</sup>, at the Orinda Masonic Center. On Monday April 5<sup>th</sup>, Dr. Richard Behl, AAPG Distinguished Lecturer, will speak about the Miocene Monterey Formation of California: Plankton to Petroleum Source to Reservoir. The meeting is at 1:00 PM at ChevronTexaco, San Ramon, Conference Room D2193. Contact danday94@pacbell.net for more information.

### Shlemon Conference, April 1 – 3, 2004

Hosted by the Engineering Geology Foundation and the Association of Engineering Geologists, the first annual Shlemon Conference in El Paso, Texas, will evaluate the present state of knowledge of earth fissures.

For more information, contact either Bill Haneberg, bill@haneberg.com, 206-871-9359 or Jeff Keaton, jeff.keaton@amec.com, 714-779-2591 ext. 308. Please visit the conference web site for more information: www.haneberg.com/fissure.

### AEG Annual Meeting

Plan to attend the 2004 AEG Annual Meeting "at the Core of the Shores!" in Dearborn, Michigan, September 25<sup>th</sup> through October 3<sup>rd</sup>! For more information on the annual meeting, visit www.aegweb.org.

## SHORT COURSES

### Seismic Hazards Analysis Workshop

The Sacramento Sections of AEG and ASCE will be jointly hosting Part 2 of a Seismic Hazards Analysis Workshop initiated last Spring. The workshop will be held on April 23, 2004 UC Davis Alumni Center next to the Mondavi Center. This will be an applied probabilistic seismic hazard analysis (PSHA) workshop applying the concepts developed in Part 1 and involving development of desired ground motion parameters. Attendance of Part 1 is not considered a pre-requisite to the Part 2 workshop.

The panel of instructors will include Dr. Norm Abrahamson, Dr. Robert Sewell, and several other

seismologists, geotechnical engineers, and geologists from government agencies such as California Geological Survey (CGS) and US Geological Survey (USGS). We will be providing free evaluation and public domain versions of current software and will have representatives available for questions, including EZ-FRISK® and FRISKSP®. Breakout sessions provide hands-on experience using example problems to demonstrate available software in estimating ground motion parameters using provided notebook computers.

All attendees will receive a binder containing workshop notes, free versions for computer programs, and valuable reference materials. Because of the breakout session format, we will need to limit the workshop to 80 people on a first-come first-serve basis – So sign up early!

Cost, applications, and agenda details will be coming soon and will be provided through AEG and ASCE websites at <http://www.aegsacto.org/>.

For Short Course information and submittals, please contact:

Ernest Solomon  
 Short Course Chair, AEG San Francisco Section

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## FIELD TRIPS

### Seismic Hazard of the Range Front Thrust Faults, Northeastern Santa Cruz Mountains/Southwestern Santa Clara Valley, March 27, 2004

The AEG San Francisco Section is hosting a field trip to explore the series of faults mapped along the northeastern to southwestern range front of the Santa Cruz Mountains. The faults have been collectively referred to as the Foothills Thrust System or the Peninsula Fold and

Thrust Belt. Individual faults to be discussed include the Sargent, Berrocal, Shannon, Monte Vista, and Serra faults. The primary objective of the field trip is to provide a forum for discussion of the fault hazard, and compile recent published and unpublished fault data for the thrust system in a guidebook. The trip will start near the south end of the thrust system at San Marcos and work up the Peninsula, with the trip focussed on the Serra fault. Confirmed field trip co-leaders to date include Bob McLaughlin, Junji Kobayashi, Christopher Hitchcock, Jim Hengesh, John Sayre, Reid Fisher, Steve Connelly, Ron Rubin, Glenn Borchardt and Drew Kennedy. Please contact Drew Kennedy at (916) 729-8050 or [dkennedy@sandersgeo.com](mailto:dkennedy@sandersgeo.com) should you wish to be a field trip co-leader, or have relevant fault data to be included in the guidebook.

### **Friends of the Pleistocene 2004 Field Trip: Santa Barbara Fold Belt, Santa Barbara, California**

You are invited to attend the Friends of the Pleistocene field trip for 2004 in the Santa Barbara area, April 15-18, 2004. The field trip will officially start the morning of Friday, April 16<sup>th</sup> at 8:00 am. There is an optional field trip on April 15<sup>th</sup> focussing on the emergent coastline between the mouths of the Devereaux and Goleta sloughs; contact Robert West at [westrb@elac.edu](mailto:westrb@elac.edu) or 323-260-8115 for more information.

The trip will begin with a number of presentations at Shoreline Park examining the marine terrace history of the fold belt. We will also take a short walk to look at some of the uplifted marine terraces we believe may have been produced by late Quaternary earthquakes. From there we will drive to East Beach where we will begin a hike along the coast to examine three active anticlines: the zoo-cemetery; Ortega Hill; and Loon Point. At Loon Point we will also be able to observe a fault-propagation fold that deforms a 105 ka terrace. We will then go to Lake Cachuma Campground for Friday night. There will be evening video presentations at the campground by Tanya Atwater on the plate tectonic history of southern California.

On Saturday, April 17<sup>th</sup> we will meet at a coastal site to discuss rates of stream incision in the Santa Ynez Mountain Range. Tim Tierney will also talk about the evolution and segmentation of the Santa Ynez Range. Then it's off to the Santa Barbara Historic Mission where we will observe the tectonic geomorphology of the active Mission Ridge anticline including several paleo channels of Mission Creek and to discuss the westward propagation of the fold. We will then walk to Rocky Nook Park to view a giant debris flow with a volume of about 10 million cubic meters. Presentations will be made by Amy Selting and Robert Urban on the debris flow features and hazards. Following lunch, we will drive to Skofield Park where we will look at the landslide and headscarp that we believe is the origin of the debris flow. Lee Harrison will talk about pool formation in Rattlesnake Creek at Skofield Park. We will then hike Rattlesnake Canyon to an overview site.

On Sunday, April 18<sup>th</sup> we will venture to the University of California reserve system site known as Sedgwick Ranch. There we will examine hill slope and other processes with Tom Dunne, Manny Gabet, Oliver Chadwick and Tony Garcia. The field trip will adjourn late in the afternoon.

The web site address for field trip information and downloading the registration form for the meeting is: <http://www.geol.ucsb.edu/projects/fop2004>. We will post the guidebook in \*.pdf format on our website and it will be available for download mid-March.

For Field Trip information and submittals, please contact:  
Drew Kennedy  
Field Trip Chair, AEG San Francisco Section



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## EMPLOYMENT NOTICES

Please note: AEG provides the following as a courtesy but does not endorse these services or companies nor does it take responsibility for actions pursuant to these notices.

### Geotechnical Engineer or Engineering Geologist

BACE Geotechnical, a division of Brunsing Associates, Inc. has a career opportunity for a Registered Geotechnical Engineer and/or Engineering Geologist in our Sonoma County Office. Project types include coastal bluff studies, hillside grading, slope stabilization, dams, roads, bridges, commercial and residential developments. Client base, mostly in Sonoma and Mendocino Counties, include state and local municipalities, hospitals, schools as well as private developers. Excellent compensation and benefits packages. Send resumes to PO Box 588, Windsor, California 95492, Fax 707-838-4420, or email: cschertzer@brunsing.com website: www.brunsing.com

### Senior Environmental Consulting Manager

Weiss Associates has an opening for a senior Environmental Consulting Manager. For environmental projects within the San Francisco Bay Area, the senior environmental consulting manager performs and manages technical project work, writes reports, gives presentations, attends regulatory meetings, supervises technical staff and develops business. Successful candidates will supervise and/or perform technical work, conduct client and regulatory interface and negotiations, conduct business development and marketing activities, and make technical and/or business development presentations. They will also build a successful practice group, build successful client relationships, and develop business from new and existing clients.

Requires 6 to 15 years of turnkey experience in environmental site cleanup/closure and/or regulatory compliance, including at least 5 years' experience conducting business development. Also requires a BS in

engineering or geology/hydrology; registration as a California PE or RG/CHG; and current 40-hr and 8-hr SARA/OSHA training. Demands proven regulatory negotiation skills; superior knowledge of environmental regulations; extensive experience with a wide variety of soil and groundwater remediation projects; excellent leadership and personal communication skills; and excellent software computer skills. Additional skills and expertise in other environmental specialties that could expand and/or enhance current company practice are a plus. Positions open in Emeryville and Mountain View offices. Please send your resume to Human Resources at jobs@weiss.com.

### Project Engineering Geologist


Performs geologic investigations, manages geologic projects, assists in the supervision of geologic staff, writes reports, conducts business development, prepares proposals and provides geologic services to geotechnical engineering staff.

Requires: certification as an engineering geologist (CA); eight years of professional geologic experience; well developed skills in the identification and mitigation of geologic hazards; substantial aerial photo interpretation skills; construction engineering geology experience. Masters degree in geoscience preferred. Hydrogeology experience desirable. Technical writing skills and computer literacy required. Position requires applicant to be in good physical condition. Good compensation and benefits packages. Send resumes to 1333 North McDowell Blvd, Suite C, Petaluma, CA 94954, Fax 707 765 6222, or e mail: mdwyer@millerpac.com.

### Answers to Fun with Geoscience Trivia (Page 4)

1. Speleothem
2. Darcy
3. August 27, 1883

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**AEG San Francisco Section – March Newsletter  
Monthly Section Meeting – Tuesday, March 9th  
Student Night -- Sinbad's, San Francisco**

***CHECK OUT THE AEG SF SECTION WEBSITE AT [WWW.AEGSF.ORG](http://WWW.AEGSF.ORG)!***

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**RESERVATION FORM**

AEG SF Dinner Meeting – March 9, 2004 – 6:00 pm  
Sinbad's Pier 2 Restaurant, San Francisco

**Reservation Deadline: 12:00 PM, FRIDAY MARCH 5<sup>th</sup>**

Fax Reservation Form to Corinne Stewart, c/o Pacific Geotechnical (408-779-6879)  
Do not mail or fax payment – Check or Cash at the door – Make checks payable to AEG SF SECTION

Dinner and Meeting Cost: \$30 – members or spouses    \$15 – student members    \$35 – others

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PLEASE CHOOSE AN ENTREE':                      Fish                      Chicken                      Pasta

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**PERMANENT RESERVATION FORM**

AEG San Francisco Section monthly dinner meetings are typically the 2<sup>nd</sup> Tuesday of each month.  
I will attend and make payment for each meeting. If I am unable to attend, I agree to fax or mail a cancellation notice to  
Chris Hundemer (fax: 408-866-9436) by NOON the Friday before the meeting or I will be charged for the meeting.

NAME \_\_\_\_\_ COMPANY \_\_\_\_\_

TELEPHONE NO. \_\_\_\_\_ NO. OF PEOPLE \_\_\_\_\_

BILLING ADDRESS \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ ENTRÉE \_\_\_\_\_