



ASSOCIATION OF ENVIRONMENTAL AND ENGINEERING GEOLOGISTS
San Francisco Section

Announcing the July 2009 San Francisco Section Meeting

**Assessment and Implementation of Debris Flow Barriers:
The Geobruigg Approach**

Eric Ruud, Geobruigg North America, LLC

MEETING DETAILS

Restaurant:

Sinbad's
Pier 2 Embarcadero Street
San Francisco, CA

Date and Time:

Tuesday, July 14th, 2009
6:00 pm—Social Hour and Sign-in
7:00 pm—Dinner
8:00 pm—Presentation

Cost: \$40 AEG members, \$42 non-members, \$15 Students

Meal Choice: Chicken, Beef, Fish, and Vegetarian – you do not need to send in your meal choice.

Reservations*: To RSVP, fax or e-mail Sachiko Tanikawa by **12 PM, Friday July 10th**.
(fax # 866-400-4068, email: treasurer@aegsf.org) with the following information:

(1) Name (2) Phone number/e-mail

Driving Directions: From the Bay Bridge, take the Fremont Street Exit and the Folsom Street Ramp. Go left (east) on Folsom Street, then left (north) onto the Embarcadero (Herb Caen Way). The driveway for Sinbad's is on the right, south of the historic Ferry Building. Please watch out for the pedestrians and cyclists when turning into the driveway. Thank you.

BART Directions: Exit the Embarcadero Station; walk up Market Street toward the Ferry Building (less than ½ a mile toward the Bay and to the east). Cross Embarcadero and Sinbad's is located next to the Alameda ferry pier on the south side the historic Ferry Building.

Parking: \$4 valet parking is available or you can park at a meter somewhere on a side street off the Embarcadero.

*To assist us with reservations and to help the restaurant with the set-up, please RSVP in advance. Walk-ins are welcome, but not guaranteed. No shows and late cancellations will be charged.

See next page for abstracts and speaker biographies.

Assessment and Implementation of Debris Flow Barriers: The Geobrugg Approach

Eric Ruud, Geobrugg North America, LLC

ABSTRACT

Each year massive destructive firestorms create hazardous debris flows and mud flows. The expansion of urban development into fire and debris flow prone areas intensifies this dangerous situation. Debris flows are fast moving, highly destructive landslides often triggered by high volume rainfall. The mass speed and volume of debris flows cause further vegetation, residential, commercial and infrastructure damage with expensive and fatal results.

The job of the geologist and engineer is to assess the location, probability, potential destructiveness and a volume of debris flows. Using this information, Geobrugg can provide a debris flow barrier or series of barriers that are appropriate for the location and situation. Knowing the geometry and volume potentials, Geobrugg provides access to an on-line computer software program to evaluate the best system suited for the site conditions. This is the very type of information that you may need in your toolbox.

SPEAKER BIOGRAPHY

Eric Ruud is a geologist with 20 years experience working in the mining industry. Now working for Geobrugg North America, he specializes in Natural Hazard Mitigation. When clients have events such as rockfall, mud flows, debris flows or a need for slope stabilization they can contact Geobrugg. Eric Ruud works as the Southwest manager, focusing on the needs of California. He also works with the mining industry in all types of mining operations to help remediate and reduce unsafe situations that may occur in the mining environment.

Thank you for the RSVP! See you on **Tuesday, July 14th**.