



ASSOCIATION OF ENVIRONMENTAL AND ENGINEERING GEOLOGISTS  
*San Francisco Section*

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Announcing the August 2009 San Francisco Section Meeting

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**Of Elephants, Earthquakes, Caves and Hot Rock - Recent Geological  
Engineering Adventures**

Dr. Edmund Medley, Ph.D., P.E., CEG, F.ASCE,  
Richard H. Jahns Distinguished Lecturer,  
Geosyntec Consultants

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**MEETING DETAILS**

<b>Restaurant:</b>	<b>Date and Time:</b>
Sinbad's	Tuesday, August 11 <sup>th</sup> , 2009
Pier 2 Embarcadero Street	6:00 pm—Social Hour and Sign-in
San Francisco, CA	7:00 pm—Dinner
	8:00 pm—Presentation
<b>Cost:</b>	\$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 August 7<sup>th</sup>**.  
(fax # 866-400-4068, email: [treasurer@aegsf.org](mailto: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.

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See next page for abstracts and speaker biographies.

## Of Elephants, Earthquakes, Caves and Hot Rock - Recent Geological Engineering Adventures

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### ABSTRACT

Dr. Medley will describe the technical background of a Geological Engineer in the context of elephants. The broad technical skill sets of most Geological Engineers are excellent for the two-way translations of geology and engineering. Three recent case histories provide examples: A summary of the Geological Engineering observations from a reconnaissance commissioned to observe damage resulting from the October 2006 Hawaii earthquake; the very challenging Forbes Cave project in Hawaii, a rare story of a geopractitioner becoming very dirty as a Court-Appointed Expert advising on lava tube cave stability and recovering a buried collection of unique Hawaiian cultural artifacts; and, the Geological Engineering insight required for overall geoengineering characterization of terrain hazards at the Lihir gold mine in Papua New Guinea, located in a geothermally active, collapsed volcanic caldera.

### SPEAKER BIOGRAPHY

Dr. Edmund Medley, Ph.D., P.E., CEG, F.ASCE, has been named the *2009 Richard H. Jahns Distinguished Lecturer in Engineering Geology*, by the Association of Environmental and Engineering Geologists (AEG) and the Engineering Geology Division of the Geological Society of America (GSA).

A Senior Consultant in the Oakland, California office of Geosyntec Consultants, Dr. Medley has over 30 years of unusually varied international experience in geotechnical and geological engineering consulting, mineral exploration prospecting, failure investigation, litigation testifying and research. He has consulted on major landslides, rockfall hazards, expansive/collapsing soils, tunnel failures, coastal erosion, sinkholes and other ground movements. He is licensed/registered/chartered as an engineer and geologist in the USA, Canada, and the United Kingdom and is affiliated with several international geosciences and engineering organizations, including the GSA and AEG.

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Thank you for the RSVP! See you on **Tuesday, August 11<sup>th</sup>**.