

# Inland Geological Society

Newsletter of the Inland Geological Society

Volume 23 No. 4

**This Meeting:**  
**Wednesday**  
**April 4th**

Time:

Social: 6:00pm  
Dinner: 7:00pm  
Lecture: 7:30pm

NEW Location:

**LSA Associates**  
**1500 Iowa Ave**  
**Suite 200**  
**Riverside, CA**  
**92507**

(Map on Pg.6)

Coming to

Dinner?

Please RSVP:

By Monday 4/2  
(951) 782-3295  
food@inlandgeo.org  
or  
dlass@waterboards.ca.gov

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**April Speaker:**

Greg Johnson, PG, CEG

**Los Angeles Department of Public Works**



**County of Los Angeles**  
**Department of Public Works**

## **Hume Road Landslide, Malibu, CA** **“Going Three-Rounds With An Active Landslide”**

This month, our own President Greg Johnson will beguile us with his knowledge regarding all things landslide and will specifically be discussing the Hume Road Landslide, located in Malibu, California. For legal reasons, we cannot include the normal abstract discussion. So if you have any interest in landslides at all, this is a talk you don't want to miss. After all, how often do we get the insider information—with or without the spin? Take a look at a picture of the slide (next page) and then come to the meeting and decide for yourself!

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**Hume Road Landslide, Malibu, CA**

***Biography:***

**Greg K. Johnson**, PG, CEG, received a B.S. Degree in Geology from Sonoma State University in 1985. Greg is currently a Supervising Engineering Geologist with the Los Angeles County Department of Public Works in Alhambra, where he has worked since 1990, holding various positions, including:

*Regulatory reviewer for the County Local Oversight Program involving analysis and response to consultants reports including field investigations, monitoring well citing, installation and development, pump test procedures and analysis, water-quality assessment, and recommendations for remediation of soil and groundwater; assisted in formulating the Guidelines for Report Submittals still in use today.*

*District Geologist for the Santa Monica Mountains/Malibu area of the Development Review Section; performed technical review of consultants reports and grading/building plans with respect to geologic and hydrogeologic hazards affecting proposed residential and commercial development; assessment of hazards including slope stability, seismicity and liquefaction through the use of geologic and seismic hazard maps and aerial photo interpretation.*

*Engineering Geologist in the Geology Investigations Section supervising 4 engineering geologists involved in the assessment of existing and potential geologic hazards affecting engineered projects including storm drains, dams, roads, groundwater injection barriers and other structures for numerous cities and County departments; hydrogeologic investigations of groundwater flow/velocity in conjunction contaminant migration; preparation of specifications and direction of underground tank removal/replacement projects at County and city facilities.*

**Upcoming IGS Talks****May 15, 2007 (Tuesday)**

Joint meeting sponsored by IGS, SME  
and CSU San Bernardino Geology Dept. at CSUSB

Texas BBQ Dinner and two programs:

Brian Fortelka, CA Portland Cement, "Colton Cement – a 115 year partnership;" and,  
CSUSB Underground Mine Mapping Class, Broken Hill, Australia, Summer 2006 – Video

**June 6, 2007 (Wednesday)**

TBA/Unscheduled (need suggestions)

**July 5, 2007 (Thursday)**

TBA/Unscheduled (need suggestions)

**August 1, 2007 (Wednesday)**

TBA/Unscheduled (need suggestions)

**September 6, 2007 (Thursday)**

TBA/Unscheduled (need suggestions)

**October 3, 2007 (Wednesday)**

TBA/Unscheduled (need suggestions)

**November 1, 2007 (Thursday)**

TBA/Unscheduled (need suggestions)

**December 5, 2007 (Wednesday)**

TBA/Unscheduled (need suggestions)

**Inland Geological Society Seeks Speaker Topics and Speakers**

Informative and interesting talk topics and speakers on subjects in the earth sciences have always been a highlight and purpose of regular monthly meetings of the Inland Geological Society for over 20 years. Local and regional topics and speaker programs are essential for a group that meets monthly and is comprised of local or regional residents or employees, professionals, and interested parties alike.

Currently, IGS is seeking suggestions for future talk topics and suggestions for potential speakers. Your suggestions and ideas are very important, so that we can cover a cross-section of subjects and interests

As you can see, we need help identifying speakers and/or speaker topics. Please forward your ideas and suggestions to [Thomas Deane](mailto:deanehydro@verizon.net) at [deanehydro@verizon.net](mailto:deanehydro@verizon.net) or [Phuong Chau](mailto:Phuong_k_chau@yahoo.com) at [Phuong\\_k\\_chau@yahoo.com](mailto:Phuong_k_chau@yahoo.com) or both!



## **Announcements/Upcoming Events**

### **AAPG Annual Convention and Exhibition**

April 1-4, 2007 • Long Beach, CA

[Understanding Earth Systems](http://www.aapg.org/longbeach/)

<http://www.aapg.org/longbeach/>

### **20th Anniversary SAGEEP**

Symposium on the Application of Geophysics to Environmental & Engineering Problems

April 1-5, Marriott City Center, Denver, CO

<http://www.eegs.org/sageep/index.html>

### **AEG April Meeting**

"Issues in interacting strike-slip faults"

Dr. David Oglesby, Geophysics, UCR

April 18, 2007 • Marie Callender's Temecula

<http://www.aegsc.org/chapters/inlandempire>

### **SDSU 21st Alumni Field Trip**

April 21-22, Mojave National Preserve/

Providence Mountains Geology

See page 5 of IGS newsletter for more info

### **American Institute of Hydrology (AIH)**

Integrated Watershed Management:

Partnerships in Science, Management, and Planning, April 22-25, Reno, NV

<http://www.aihydro.org/conference.htm>

### **AEG 1st North American Landslide Conference**

June 3-8, Vail Marriott, Vail, CO

<http://www.mines.edu/academic/geology/landslidevail2007/>

### **Spring Short Course**

## **"Earthquake Hazards and Fault Evaluation"**

**Saturday, May 12, 2007, UCRX**

We are pleased to announce the following tentative list of topics/speakers for our Spring Geology Continuing Education Series Short Course, sponsored by IGS, AEG, and coordinated by Professor Tien Lee, Geophysics and Hydrogeology, Dept. of Earth Sciences, UC Riverside:

- 'Alquist-Priolo seismic zoning,' Dr. Jerry Treiman, California Geological Survey
- 'Earthquake Probability,' Dr. Jim Dietrich, National Academy of Sciences
- 'Fault Zone Properties,' Dr. Elizabeth Cochran, UC Riverside
- 'San Jacinto Fault Zone,' Dr. Catherine Kendrick, USGS
- 'Ground Fracture/Fissure' Dr. Doug Morton USGS (Ret.)
- 'Fault Slip Investigation,' Dr. Kerry Cato, Cato Geosciences

Additional information will be provided in upcoming announcements and short course flyers.

## Announcements/Upcoming Events (Continued)



**21st Annual SDSU Alumni Field Trip  
Mojave National Preserve / Providence Mountains Geology  
(Welford E. Garner Memorial Field Trip)  
April 21st & 22nd 2007**

The 21st Annual SDSU Geology Alumni Field Trip & Campout will be in the Mojave National Preserve located about 80 miles east of Barstow, CA. north of 1-40 & south of 1-15. This trip was inspired by Welford "Ford" Garner, a former SDSU Geology Department Alumni, who was a NPS Ranger at Mojave National Preserve for several years. Ford recently passed away from pancreatic cancer. Joe Walsh, also an SDSU Geology Department alumni, has graciously volunteered to lead this year's field trip in an area that he has been visiting for the last 30 years.

We will attempt to provide the best overview of the Geology of the Providence Mountains and surrounding area but due to very rough 4-wheel drive roads, a close-up view of the Paleozoic sequence may not be possible. The Providence Mountains are comprised of Precambrian crystalline rocks, Paleozoic sedimentary rocks and Tertiary intrusive rocks. The range is bound by extensive faulting which has produced considerable mineralization in the area. Low angle normal faults are the outstanding structural feature in the Providence Mountains.

We plan to start the Field Trip at the Kelso Depot Visitors Center at 10:00 a.m. on Saturday, April 21st. The Kelso Depot is a wide spot in the road and all roads to get there are paved. Since there are maps of the park and other items for sale there, it is a good place to meet and start the trip with an overview of the geology and history of the area by Joe or one of the Park Rangers. We will caravan to Mid Hills Campground, stopping at selected locations along the way to look at the geology. High Clearance vehicles are not required but are recommended for this trip.

As the area is very REMOTE, it is advised to top off your fuel tanks at Baker or Ludlow and also have adequate food and water. Allow about 5 hours drive time from San Diego. Sunday morning we will depart Mid Hills Campground to look at some of the Tertiary volcanics on the way to Hole in the Wall and Mitchell Caverns. Tours are offered of Mitchell Caverns (\$4/person) M-F @ 1:30 p.m. and weekends @ 10a.m., 1:30p.m., & 3p.m. Reservations are required for groups of 10 or more by mail. But it may be possible to just walk in if there is not a large crowd signed up. For more information on MNP, go to [www.nps.gov/moja](http://www.nps.gov/moja). As usual, no guarantee is made as to weather conditions so plan for everything.

For specific questions, contact Joe Coronas, Alumni Field Trip Chairman, day 858.492.5034, evenings 858.484.3582, cell 858.518.7869 or [jcorones@sandiego.gov](mailto:jcorones@sandiego.gov). For additional information on this trip, please see alumni trip notice posted on the SDSU website at [www.geology.sdsu.edu](http://www.geology.sdsu.edu).

**EVERYONE IS WELCOME TO JOIN US FOR THIS WEEKEND FIELD TRIP!!!**

Jobs Jobs Jobs Jobs Jobs Jobs Jobs Jobs



**TETRA TECH, INC.**

### **JOB DESCRIPTION**

#### **Principal Environmental Geologist or Engineer**

The position is located in the Inland Empire Region of California. Responsibilities include remedial investigation, remedial system design, feasibility studies, cost estimating, subcontractor management, technical writing, and business development. Performs a range of tasks, requiring utilization of basic scientific/engineering or geologic analytical techniques and project and personnel management.

**Requirements** – BS degree in geological sciences or civil engineering with at least 15 professional years experience and a professional registration required. General experience with geologic, engineering, scientific, or general environmental projects and data interpretation. Field experience should include subsurface soil and groundwater sampling, drilling and well installation for hazardous waste site characterization, remedial system design, and remedial system installation. Excellent writing and communication skills required. Must be computer literate and have knowledge of MS Word, Excel, MS Project and environmental software. GIS experience is a plus. Able to resolve conflicts and provide solutions in a professional manner. Some travel and field work required.

**Job Responsibilities** – Include remedial investigation, remedial system design, feasibility studies, cost estimating, and technical writing. Performs a range of tasks, requiring utilization of basic scientific and geologic analytical techniques including: interpretation of complex hydrogeologic settings impacted by emerging contaminants and development of cost effective remedial strategies. Perform a range of project management responsibilities include managing subcontracts, project cost and project schedule. Other responsibilities include supervision of more junior staff and business development.



*Proud of our past,  
Ready for our future*

#### **Engineering**

**Civil Engineer (PE)** - Eastern Municipal Water District is seeking an experienced professional to perform complex water resources planning and numerical groundwater modeling work. Requires graduation from college with degree in engineering and 6 years of civil engineering experience. Registration as California Professional Engineer is required. (\$6863 - 8525/monthly)

Apply by 04/20/07. Applications may be obtained from EMWD, 2270 Trumble Rd., Perris, (951) 928-3777, X4376. [www.emwd.org](http://www.emwd.org) EOE

### **VOLUNTEER POSITION:**

#### **Science Fair Judge**

It's time again for the RIMS Science Fair and IGS needs your help! Every year we send a small contingent of our folks to help judge the Inland Science and Engineering Fair. During the judging, we identify the most worthy projects (best geologic or environmental projects) for recognition and award. Top honors in both the Senior and Junior high categories receive a US Savings Bond; honorable mention receive a certificate for a job well done.

These are our future scientists and we need to encourage them any way we can. Won't you take time out of your busy schedule to assist us with this important work? Science Fair takes place on April 17, 2007 at the National Orange Show grounds, San Bernardino.

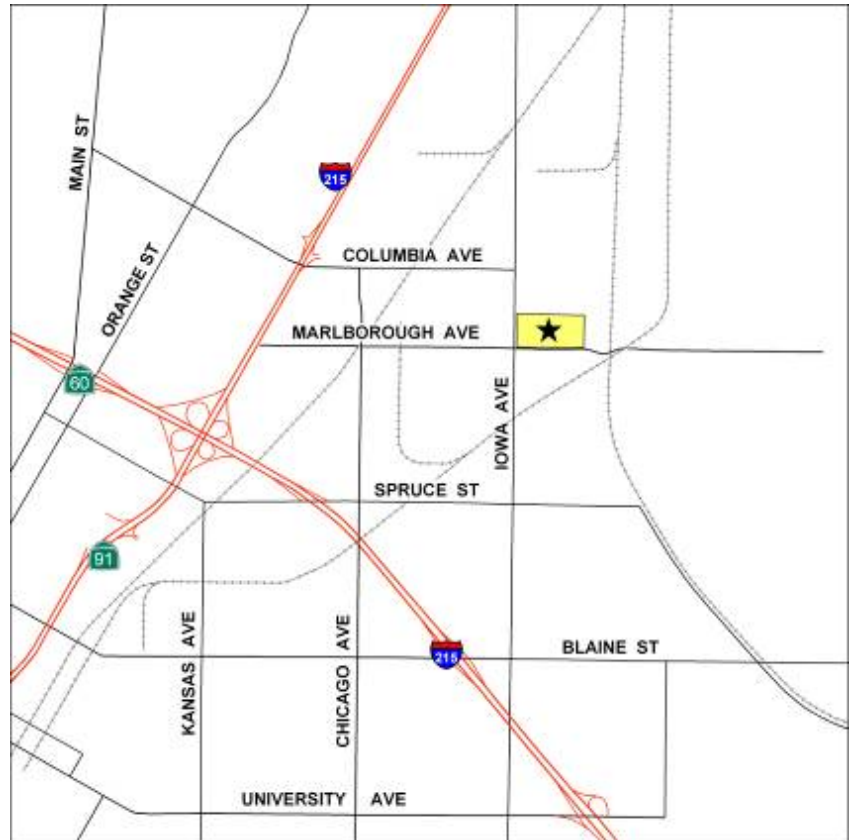
For more information, please contact Patrice Copeland at 951.321.4576, email at [pcopeland@waterboards.ca.gov](mailto:pcopeland@waterboards.ca.gov)

Or

Steve Mains at 951.780.5636, email at

**Meeting Location:**

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Riverside, CA 92507**

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