

# Inland Geological Society

Newsletter of the Inland Geological Society

Volume 22 No. 11

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***This Meeting:***  
**Thursday**  
**Nov. 9<sup>th</sup>**

### **Time:**

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

### **NEW Location:**

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

### **Coming to** **Dinner?**

**Please RSVP:**

**By Monday**  
**11/6**

**(951) 782-3295**  
**[food@inlandgeo.org](mailto:food@inlandgeo.org)**  
**or**  
**[dlass@waterboards.ca.gov](mailto:dlass@waterboards.ca.gov)**

## **November Speaker:**

### **Margaret Gooding**

LSA Associates

1500 Iowa Ave, Suite 200, Riverside, California, 92507 [margaret.gooding@lsa-assoc.com](mailto:margaret.gooding@lsa-assoc.com)

## **The Fontana Seismic Trend - Possibilities** **A Seismic Hazard Study**

Southern California is a seismically active region with a large population. The proposed Master's Thesis study area is the Fontana Seismic Trend, an area of intense earthquake activity in western San Bernardino County. There have been no significant studies done to quantify the potential seismic hazard posed by it. The major faults nearby have been studied extensively, but this is not the case for the Fontana Seismic Trend. As you can see, when plotted on a map, the earthquake epicenters of the Fontana Seismic Trend display a significant linear pattern. As part of a Master's Thesis, the location and direction of movement of the underlying fault have been proposed. The maximum credible event that might occur on this fault has also been calculated. A 6.28 event is possible for a 10 km rupture. FEMA's HAZUS software will be used to run a seismic hazard analysis so local agencies will know what to expect if a large event occurs on this fault.

**MARGARET GOODING: BIO** *Continued From Page 1:*

Margaret Gooding graduated with a B.Sc. in Geological Science with a minor in Art from Cal State Fullerton in 1994. She earned a certificate in GIS at San Bernardino Valley College in 1998 and is currently a candidate for a M.Sc. in GIS. She has worked in the GIS field since 1998. She is currently working for LSA Associates in Riverside as a GIS and Graphics Specialist and is head of her department. She is a committee chair for Redlands Art Association and Treasurer for Inland Geological Society.

**JOB ANNOUNCEMENTS:****ENVIRONMENTAL TECHNICIAN**

Agua Caliente Band of Cahuilla Indians  
Submit Date: 10/03/2006

**JOB DESCRIPTION SUMMARY**

Under the supervision of the Tribal Hydrogeologist, performs field investigations and surveys related to water and natural resources on the Reservation.

**EDUCATION AND/OR EXPERIENCE**

Requires a high school diploma, GED or equivalent.. Requires at least one (1) year experience in field data collection and/or inspection for a consulting firm or governmental agency.

For additional information on this position or to apply on line please log in to [\\_www.aguacaliente.org\\_](http://www.aguacaliente.org) (<http://www.aguacaliente.org/>) or fax resumes to 760.883.1388

Lisette Arellano  
Human Resources Generalist  
Agua Caliente Band of Cahuilla Indians  
650 East Tahquitz Canyon Way  
Palm Springs, CA 92262  
Phone: 760.883.1356  
Cell: 760.668.9391  
Fax: 760.883.1388  
e-mail: [larellano@aguacaliente.net](mailto:larellano@aguacaliente.net)

**ENGINEERING GEOLOGY ASSISTANT**

LA DWP, EXAM NUMBER C4362E  
FILING DATES September 12, 2006 until needs are met

SALARY \$4,076.09 - \$5,063.64 MONTHLY

Position Information: assists w/engineering geological investigations & Phase I/II environmental site assessments; reviews existing geologic & environmental literature to determine potential geologic & environmental concerns; geologic logging of boreholes, hollow-stem auger borings & backhoe trenches; operates/maintains electronic equipment used in geologic investigations & environmental assessments; field mapping for geologic maps & cross sections; interprets data observed from aerial photographs; inspects construction projects to verify anticipated conditions; conducts meetings, discussions, & other communications w/consultants, engineers, etc.;

determines rock type & engineering characteristics of field samples; evaluates & analyzes geologic & environmental; prepares all necessary equipment & supplies & performs groundwater monitoring at County facilities.

How to apply: All applicants for County positions are required to submit a County application with an original signature and date; resumes cannot be accepted in lieu of applications, although resumes may be attached to applications. County applications are available by calling (626) 458-2141 or may be downloaded at <http://dhr.lacounty.info>.

Applications MUST be submitted ONLY at the Department of Public Works, Human Resources Division, located at 900 South Fremont Avenue, Lobby Floor, Alhambra, CA 91803-1331, Monday through Thursday ONLY, between 7:00 a.m. and 5:30 p.m.

## Other Announcements

### Meeting

#### **AEG Inland Empire Chapter**

Wednesday, Nov. 15, 2006

**Tiana Rasmussen**, Geophysicist & Project Geologist, Gary S. Rasmussen & Associates, Inc., San Bernardino, CA

#### **"Refraction Microtremor for Shallow Shear Velocity in Urban Basins**

5:15 – Geo Orientation Saloon & Lounge

6:15 – Dinner, Banquet Patio

7:00 – Meeting, Banquet Patio

Claim Jumper Restaurant

12499 Foothill Boulevard

Rancho Cucamonga, CA 91739

(909) 899-8022

Cost: \$23, Platter Banquet

See AEG newsletter for more info

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

### **Upcoming Short Courses:**

IGS, along with AEG Inland Empire, are co-sponsoring short courses through UCR Extension with the gracious coordination of Dr. Tien-Chang Lee. Upcoming courses include the following topics for Winter and Spring quarters, respectively:

- Groundwater Issues and Problems in the Inland Empire
- Seismic Issues and Problems in the Inland Empire

More info will be posted regarding dates, times, etc. Keep your ear to the outcrop...or the newsletter!

### **Got suggestions?**

**Future talks** - please contact our VP, Phuong Chau w/your ideas and/or contact info. **Future short courses** – please contact an IGS/AEG officer or Dr. Lee.

### **Upcoming IGS Talks**

#### **Dec. 6 (Wednesday)**

Dr. Michael McKibben,  
Dept. of Earth Sciences, UCR  
"Arsenic in Groundwater"

#### **Jan. 3, 2007 (Thursday)**

Bruce Murray, Professor of Geology,  
CalTech, Los Angeles, CA  
Talk Description: His work on the Manix Fault, near the Barstow area

#### **Feb. 7, 2007 (Wednesday)**

Gary Peterson, Professor of Geology,  
SDSU, San Diego, CA  
"Evolution of Granitic Landscapes"  
[www.rohan.sdsu.edu/~3gleep6/planets.html](http://www.rohan.sdsu.edu/~3gleep6/planets.html)

### **2007 IGS OFFICERS**

Want to sharpen your communications skills? Need that cool reference for your resume? **Don't wait, volunteer now!**

Nominations are now being accepted for the 2007 IGS Officer positions. Current nominations include the following:

President – Greg Johnson  
**Vice President** –Phoung Chau  
Secretary – Dixie Lass  
Treasurer – Maggie Gooding  
Membership Chair – Steve Mains  
Newsletter Editor – Patrice Copeland  
**Web Master/Mistress – Open**

Please contact a current IGS officer to make your nominations today!

\*A Special "Thank You" to LSA Associates for graciously allowing us to hold IGS meetings in their wonderful new offices.\*

**2006 IGS OFFICER CONTACT INFO****President**

Greg Johnson  
([gjohnson@ladpw.org](mailto:gjohnson@ladpw.org))  
and Patrice Copeland  
([patrice.copeland@sbcglobal.net](mailto:patrice.copeland@sbcglobal.net))

**Secretary**

Dixie Lass  
[dlass@waterboards.ca.gov](mailto:dlass@waterboards.ca.gov)

**Membership Chair**

Steve Mains  
[watermains@aol.com](mailto:watermains@aol.com)  
(951) 780-5636

**Vice President**

Phuong Chau  
([PChau@leightongeo.com](mailto:PChau@leightongeo.com))

**Treasurer**

Margaret Gooding  
[mgooding@adelphia.net](mailto:mgooding@adelphia.net)

**Newsletter Editor/Web**

Jennifer Ashlin  
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**Inland Geological Society**

[www.inlandgeo.org](http://www.inlandgeo.org)

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