

Inland Geological Society

September 2018

Newsletter of the Inland Geological Society

Volume 34 No. 9

Next Meeting:
Wednesday
September 5th

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

Location:
Jurupa Mountains
Discovery Center
7621 Granite Hill Dr.
Jurupa Valley, CA
92509
(Map on Pg. 6)

Coming to
Dinner?
Please RSVP
to Jessie Bagby
by Monday, 9/3
rsvp.igs@gmail.com

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September Speaker:

Kerri O'Keefe, Lahontan Regional Water Quality Control Board

"Characterization of the 2017 mass movement episode in Snow Creek Canyon, Forest Falls, San Bernardino County, California"

Abstract:

A mass movement episode occurred in Snow Creek Canyon, above the town of Forest Falls, on February 17, 2017. Less than two months later a second movement occurred along the same canyon wall releasing more debris down the canyon floor. This study was conducted to characterize the mass movement in terms of materials in motion, nature of movement, rate of movement and to determine the triggering mechanism for the failure. The study analyzed historic aerial photographs, ground based imagery and videos, and photos obtained by UAV to understand the mode and velocity of movement. Sediment and rock hand samples from the source area were analyzed to determine mineral content and rock type. Meteorological and seismic databases were accessed to establish possible triggering mechanisms.

Biography:

Kerri O'Keefe recently graduated from California State University, San Bernardino, with a Bachelor of Science in Environmental Geology and a minor in Chemistry. For the past five years she has worked under the direction of a licensed Professional Geologist for the Land Disposal program of the Lahontan Regional Water Quality Control Board (RWQCB).

(continued on p. 2)

Biography (continued from p. 1):

Kerri began her career protecting water quality in 2011 as an intern at a local wastewater treatment plant, Victor Valley Wastewater Reclamation Authority. While working as an intern she obtained a Grade I Wastewater Laboratory Technician certification through the California Water Environment Association.

After working as an intern for two years Kerri was offered the position of Scientific Aid for the Land Disposal Unit of the South Lahontan Region RWQCB in 2013. She is now preparing for the Geologist in Training exam. Kerri is a member of the Inland Geological Society and the Association of Environmental and Engineering Geologists.

Steven Mains of Watermaster Support Services is pleased to announce the completion of the
Spring 2018 Cooperative Well Measuring Program

This project, which started in the Spring of 1964, lists water level data from wells in

- ◆ the Upper Santa Ana Basin
- ◆ the San Jacinto Basin
- ◆ the western portion of the White Water River Basin
- ◆ and portions of the Santa Margarita Basin

More than 5,000 wells from 80 different reporting agencies are listed, with almost 1,500 new measurements added in this Spring Report. Please contact Steve at (951) 201-6571 or watermains@aol.com for pricing. Your continued support keeps this data gathering project viable.

IGS OFFICER POSITIONS OPENING THIS WINTER

The **IGS President** and **Secretary** board member positions will be open this fall for the election of new officers for 2019. IGS Officer elections will take place in November so that training may take place in December and new officers can begin serving in January. All nominations for the positions of President and Secretary should be submitted to the current Secretary, Jessie Bagby, at rsvp.igs@gmail.com for inclusion on the ballot. Additionally, we will be looking for a **newsletter editor** and **webmaster**. All members, including students, are invited to volunteer or nominate appropriate individuals for these positions.

International Petroleum Environmental Conference (IPEC)

The 25th IPEC will be held from October 30 to November 1, 2018, in Denver, Colorado. Abstracts and registration are now being accepted. For more information, read more at <https://cese.utulsa.edu/ippec-conference/>.

EMPLOYMENT OPENINGS

**DEPARTMENT OF GEOLOGICAL SCIENCES
CALIFORNIA STATE UNIVERSITY, FULLERTON (CSUF)
Tectonophysicist - Tenure-Track**

The Department of Geological Sciences at CSUF invites applications for a tenure-track Assistant Professorship in the broad field of tectonophysics beginning August 2019. We are seeking an Earth scientist who integrates field and geophysical techniques to investigate tectonic questions, demonstrates a strong commitment to teaching excellence and shows evidence of an existing or developing active, externally funded, student-centered, research program. A Ph.D. in Geological Sciences or related field is required at the time of appointment. We seek scholars who will teach introductory geophysics (bi-annually) and regularly participate in teaching geologic field techniques, summer field camp, upper-division or graduate courses in their area of specialization, as well as general education courses. Preference will be given to candidates who can occasionally teach structural geology. The successful candidate will contribute to the diverse CSUF campus. To apply, please go to: <https://apps.fullerton.edu/facultyrecruitment> to view all job listings and select 10499BR to begin the application process. To ensure full consideration, submit all application materials by November 16, 2018.

**GEOCON WEST, INC.
RIVERSIDE COUNTY OFFICE, MURRIETA
Staff or Senior Staff Geologist**

Geocon's Riverside County Office located in Murrieta is seeking a staff to senior staff geologist to become part of our team.

Requirements:

- BS Degree in Geology
- Ability to work well with a diverse group of individuals including contractors, professional peers, and clients
- Ability to work in a variety of environments: office, client meetings, construction job site, independently in field environment
- Ability to lift 40-pound samples or equipment
- Must have own field-ready vehicle with clean driving record.

Job Duties:

Perform basic field geotechnical investigations and field construction management with limited supervision. Abilities include geologic mapping during reconnaissance-level investigations. Perform tasks of a basic field investigation including coordination of utility locating, encroachment permit processing, selection and scheduling of exploration equipment, perform drilling/trenching, logging and sampling including accurate collection of geologic structural information using a compass, scheduling laboratory testing with supervision, and performing geophysical exploration methods. The position entails travel throughout Riverside and San Bernardino Counties and occasionally to San Diego County, Orange County and greater Los Angeles areas. Individual must be able to maintain flexibility in an often-changing environment.

This job splits time between a professional office environment and field time.

For immediate consideration, please email your resume to Lisa Battiato at battiato@geoconinc.com.

NOTICE OF CHANGE OF DINNER POLICY

For our monthly meetings, IGS typically orders meal quantities based on the number of responses made by the RSVP deadline published in the newsletter each month. Although we are always pleased to have as many people as possible in attendance, dinner may not be available to those who have not responded in time to be counted in the dinner order. ***Beginning in October 2018, those who have not responded by the published deadline will not be served dinner at the monthly meetings until all those who have reserved a meal have received one.*** Those who do not RSVP are still invited to attend for drinks, networking, announcements, and the dinner speaker free of charge. We appreciate your cooperation with this change in policy and encourage you to RSVP by the published date each month. We look forward to seeing you there!

Visit the
Jurupa Mountains Discovery Center
7621 Granite Hill Drive, Jurupa Valley, California 92509
951.685.5818



The Jurupa Mountains Discovery Center hosts the Ruth and Sam Kirkby Earth Science Museum, which houses a unique collection of exhibits including the Crestmore Quarry, fluorescent minerals, Indian artifacts, mining exhibits, petrified wood, sea shells, dinosaur exhibits, fossils, rocks and minerals, and many more.

The onsite Granite Hill Nursery stocks a large variety of cacti and succulents, and the gardens showcase mature and unique species over several acres. A collection of butterfly gardens is under construction as part of ongoing Eagle Scout Service Projects. The Center also provides hands-on educational kits for educators, houses a critter corner in the gift shop, and hosts themed toddler times on Friday afternoons.

The Center is always looking for volunteers to assist in the many on-going activities from light construction work to assisting with tours and programs. This is a worthwhile and fulfilling opportunity for scientifically-minded individuals of all ranks, from students through working professionals to retirees. This service will look great on your resume! Please contact Executive Director Wes Andree at 951/685-5818 or director@jmdc.org for further details.

Visit the website at <https://jmdc.org> to learn more about the Jurupa Mountains Discovery Center!

Upcoming Meetings/Events

Inland Geological Society

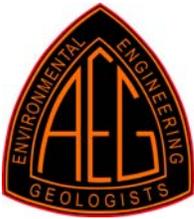
The Inland Geological Society typically meets the first Wednesday or Thursday of each month. The October meeting has not been announced yet. For more information, visit our website at www.inlandgeo.org.

South Coast Geological Society



Monthly dinner meetings are typically the first Monday of each month. The September meeting has not been announced yet. For more information, visit the association website at www.southcoastgeo.org.

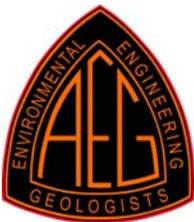
AEG—Southern California Chapter



The AEG — Southern California Chapter typically meets the second Wednesday of each month at Victorio's Ristorante in North Hollywood. The September meeting has not been announced yet. For more information, visit the association website at

www.aegsc.org.

AEG—Inland Empire Chapter

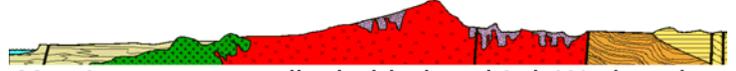


The AEG — Inland Empire Chapter typically meets the third Wednesday of each month at Pinnacle Peak Steakhouse, 2533 S. La Cadena Drive, Colton. There will be no meeting in September. The next scheduled meeting will be held October 17th. For more information, visit the association website at www.aegsc.org/chapters/inlandempire.

Rock & Gem Shows—various locations

Various rock and mineral shows will be held throughout southern California. To find one near you, visit www.rockngem.com, then select the Show Dates tab.

San Diego Association of Geologists



Meetings are usually held the third Wednesday evening of each month. The September meeting has not been announced yet. For more information, visit the association website at www.sandiegogeologists.org.

Los Angeles Basin Geological Society



Monthly lunch meetings are typically the 4th Thursday of each month from 11:30 am to 1:00 pm at the Willow Street Conference Center, 4101 E. Willow Street, Long Beach. The September meeting has not been announced yet. For more information, visit the association website at www.labgs.org.

IGS Has a Facebook Page!

Check us out at
<https://www.facebook.com/groups/994947540677585/>.

Request to join and
 post comments online.

For additional assistance,
 contact Margaret Gooding
 at mgooding@roadrunner.com.

IGS MEETING LOCATION:
Jurupa Mountains Discovery Center
 7621 Granite Hill Drive
 Jurupa Valley, California 92509



IGS OFFICERS

President

Greg Johnson
 LA County DPW
gjohnson@dpw.lacounty.gov
 626.458.1741

Treasurer

Margaret Gooding
mgooding@roadrunner.com
 909.434.5377

Newsletter Editor

Alice Orton
 Geocon West, Inc.
orton@geoconinc.com
 951.401.3949

Co-Vice President

Jeff Fitzsimmons
 Lahontan RWQCB
geojeff08@att.net
 951.212.5018

Secretary

Jessie Bagby
 CSUSB Undergraduate Student
rsvp.igs@gmail.com
 951.551.7804

Web Master

Scott Orton
 Consultant
scottorton@hotmail.com
 951.505.6547

Co-Vice President

Debbie Kunath
 Consulting Geologist
Debbie_Kunath@ymail.com
 760.885.0232

Membership Chairman

Kirby Roucher
 Independent Contractor
inlandgeologicalsociety@gmail.com
 951.522.5318