

# Inland Geological Society

March 2018

Newsletter of the Inland Geological Society

Volume 34 No. 3

Next Meeting:  
**Tuesday**  
**March 6<sup>th</sup>**

Time:  
**Social: 6:00pm**  
**Dinner: 7:00pm**  
**Lecture: 7:45pm**

Location:  
**Jurupa Mountains**  
**Discovery Center**  
**7621 Granite Hill Dr.**  
**Jurupa Valley, CA**  
**92509**  
**(Map on Pg. 7)**

Coming to  
Dinner?  
**Please RSVP**  
**to Jessie Bagby**  
**by Friday 3/2**  
**rsvp.igs@gmail.com**

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## March Speaker:

**Laurie Racca, PG**

**BPELSG Senior Registrar, Geology & Geophysics**

**ASBOG Examination Committee Chair**

**California Board for Professional Engineers, Land Surveyors and Geologists**

## **License Application Workshop: GIT/PG/CEG/CHG/PGP**

### **Abstract:**

The next application deadline for the Professional Geologist and Professional Geophysicist practice authority licenses, the Certified Hydrogeologist and Certified Engineering Geologist title authority licenses, and the Geologist in Training certificate is **May 7, 2018** for those wishing to take the exams in the fall of 2018. This workshop is an opportunity to learn about the application process, and find out what it takes to ensure that the Board's review of your application goes smoothly. The workshop will cover:

- About the Board
- Understanding the Terminology
- Completing the Application for the GIT, PG, CEG, CHG and PGP
- Important Information for References
- National ASBOG Exams and California State Exams
- Code of Professional Conduct and Responsibilities of a Licensed Professional

*(continued on p. 2)*

(continued from p. 1)

**Biography:**

Laurie is a licensed Professional Geologist with over 25 years of experience in the environmental field, specializing in complex environmental site investigations and leading multidisciplinary teams. Her combination of work experience in both the private sector and public service provides her with a broad understanding of the many different perspectives and motivations that can affect the success of any endeavor. As the Senior Registrar for Geology and Geophysics at the California licensing board, she provides technical support for examination development, for enforcement investigations, and for the development of legislation and regulations. Laurie evaluates the qualifications of candidates for licensing, recruits and vets subject matter experts, and negotiates interagency agreements. She promotes knowledge of the licensing laws with outreach to public agencies, professional societies, universities, and the general public. Her private sector experience includes geologic mapping, landslide evaluation, soil and groundwater assessments for contaminant definition and remediation, geologic/hydrogeologic support for brownfield redevelopment, underground storage tank site cleanups, preliminary endangerment assessments, Phase I ESAs, drinking water well siting, water resources evaluations, and environmental compliance evaluations. Laurie also serves as the Chair of the Examinations Committee for the National Association of State Boards of Geology (ASBOG), the non-profit organization that prepares the national geology license examinations.

**Major Revision to California Guide for Assessing Fault Rupture Hazards**

CGS released a major revision to its Special Publication 42 (SP 42): *Earthquake Fault Zones - A Guide for Government Agencies, Property Owners / Developers, and Geoscience Practitioners for Assessing Fault Rupture Hazards in California*. SP 42 has been the primary guidance document since 1975 for providing background regarding the Alquist-Priolo Earthquake Fault Zoning Act (AP Act) and the assessment of surface fault rupture hazard. The 2018 edition is the latest update to this document, with a focus on providing more detailed guidance to government agencies, property owners, and geoscientists who are affected by the AP Act. This edition is freely available on the CGS website as a pdf download at:

[http://www.conservation.ca.gov/cgs/Documents/CGS\\_SP42\\_2018.pdf](http://www.conservation.ca.gov/cgs/Documents/CGS_SP42_2018.pdf)

**Special Report 240 - Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region of California**

California's Surface Mining and Reclamation Act of 1975 (SMARA) requires the State Geologist to classify land into Mineral Resource Zones (MRZs), based on the known or inferred mineral resource potential of that land. The primary goal of mineral land classification is to help ensure, through appropriate local lead agency policies and procedures, that mineral resources will be available when needed and do not become inaccessible because of inadequate information during the land-use decision-making process.

This report is the third in a series of regional mineral land classification reports for portland cement concrete (PCC)-grade aggregate for the Western San Diego County Production-Consumption Region (P-C Region). It updates the mineral land classification of the region, reevaluates the region's PCC-grade aggregate resources, and includes an updated 50-year projection of construction aggregate demand for the P-C Region through the year 2065. Links to reports and maps can be accessed at:

<http://www.conservation.ca.gov/cgs>

## Note our New Meeting Place!

This month the Inland Geological Society will meet at 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.

*Visit their website at <https://jmdc.org> to learn more about the Jurupa Mountains Discovery Center, and meet us there on Tuesday, March 6th for our next meeting!*



## WIM Scholarship Opportunities

The California Chapter of Women in Mining (WIM) is again partnering with the Southern California Mining Section of the Society of Mining Engineers (SME) to offer six Sager Memorial Scholarships of \$2,000 each. Scholarships are available to female and male California high school students and continuing college students who are pursuing studies in or related to mining, geology, engineering or environmental studies. The **deadline for receipt of applications is March 2, 2018**. Continuing college students can submit copies of transcripts with the understanding that a stamped original may be requested. In 2017, scholarships were awarded to students at Cal Poly Pomona, Cal State Fullerton, U.C. Santa Barbara, Cal State San Bernardino, and U.C. Berkeley. See complete requirements at <http://wimca.org/wp-content/uploads/2018/01/2018-Scholarship-Program.pdf>. The application is included on the following page.



**2018  
CALIFORNIA CHAPTER  
WOMEN IN MINING  
SCHOLARSHIP APPLICATION FORM**

**Deadline: March 2, 2018**

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Email: \_\_\_\_\_

Major \_\_\_\_\_ Emphasis: \_\_\_\_\_

Current School: \_\_\_\_\_ Year in School: \_\_\_\_\_

Approximate Graduation Date: \_\_\_\_\_ Overall GPA: \_\_\_\_\_

Career or Field of Study you plan to pursue after graduation: \_\_\_\_\_

University or College of Choice:

1<sup>st</sup> Choice: \_\_\_\_\_

2<sup>nd</sup> Choice: \_\_\_\_\_

3<sup>rd</sup> Choice: \_\_\_\_\_

***On a separate sheet of paper, write a one-page essay stating your future plans.***

### Registration is now open!

The 120th National Western Mining Conference & Exhibition is the largest mining event to be held in the Rocky Mountain region in 2018. Connect with hundreds of mining professionals and exhibitors at this must-attend industry event.



For more information, visit the website at  
[http://coloradomining.site-ym.com/page/NWMC\\_2018](http://coloradomining.site-ym.com/page/NWMC_2018).



## SAVE THE DATES

32<sup>nd</sup> Annual



# Desert Symposium and Field Trip

Symposium: April 20-21, 2018 Zzyzx, CA  
 Field Trip: April 22-23, 2018

Theme: Against the current: Mojave River from sink  
 to source: Hydrology and structural influences along  
 Mojave Desert drainage systems.

Share your desert research with an oral or poster presentation.  
 We encourage students to attend and compete for the  
**Adams Best Student Presentation Award.**

Abstract deadline (for all presentations):	20 Jan 2018
Final Paper submission deadline:	20 Feb 2018
Registration deadline:	10 Apr 2018

The field trip will camp at Owl Canyon Sunday night  
 (Apr 22). A third-day informal trip will be held in the  
 Barstow area.



For more information please visit  
[DesertSymposium.org](http://DesertSymposium.org)



The 2018 Desert Symposium is being held in cooperation with the Desert Studies  
 Center, California State University, Fullerton.

### LABGS Scholarships Available

The Los Angeles Basin Geological Society has 10 scholarships available in amounts of \$500 to \$1,000 each. For more information, visit their website at:

<http://www.labgs.org>

### Riverside County Science & Engineering Fair

Save the date! The 2018 Riverside County Science and Engineering Fair for students in grades 4 through 12 is coming up on Monday and Tuesday, March 19th and 20th, at the Riverside Convention Center, 3637 Fifth Street, Riverside. Judges are needed! Please contact Margaret Gooding if you are interested in serving as a judge this year:

[mgooding@roadrunner.net](mailto:mgooding@roadrunner.net)

## Upcoming Meetings/Events

### Inland Geological Society

The Inland Geological Society typically meets the first Wednesday or Thursday of each month. The April meeting has not been announced yet. For more information, visit our website at [www.inlandgeo.org](http://www.inlandgeo.org).

### South Coast Geological Society



Monthly dinner meetings are typically the 1st Monday of the month. This month's meeting will be held on Monday, March 12, 6:00 pm, at The Chartroom, CSU Long Beach. Dr. Rick Behl will speak on "The

Santa Barbara Records of Two Volcanic Winters Triggered by Twin Yellowstone Supervolcano Eruptions 631,000 Years Ago". For more information, visit the association website at [www.southcoastgeo.org](http://www.southcoastgeo.org).

### AEG—Southern California Section



The March meeting of the AEG—Southern California Section will be a joint meeting with the San Diego Chapter of the Geo-Institute at the Kings Inn, San Diego. Holly Nichols of the California Department of Water Resources will speak on "The Oroville Spillways — Geology and Why It Matters". For more information, visit the association website at [www.aegsc.org](http://www.aegsc.org).

### AEG—Inland Empire Chapter



Monthly dinner meetings are typically the third Wednesday of the month at Pinnacle Peak Steakhouse, 2533 S. La Cadena Drive, Colton. The March meeting has not been announced yet. For more information, visit the association website at

[www.aegsc.org/chapters/inlandempire](http://www.aegsc.org/chapters/inlandempire).

### San Diego Association of Geologists



The February SDAG meeting will be held on Wed., Mar. 21st. The speaker will be Pat Abbott. For more information, visit the association website at [www.sandiegogeologists.org](http://www.sandiegogeologists.org).

### Los Angeles Basin Geological Society



Monthly lunch meetings are typically the 4th Thursday of the month from 11:30 am to 1:00 pm at the Willow Street Conference Center, 4101 E. Willow Street, Long Beach. The next meeting of the Los Angeles Basin Geology Society has not been announced

yet. For more information, visit the association website at [www.labgs.org](http://www.labgs.org).

### 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](http://www.rockngem.com), then select the Show Dates tab.

### **Get Your IGS Coffee Mug!**

IGS will now be selling IGS coffee mugs at the monthly meetings. They will be on sale for \$10.



**IGS MEETING LOCATION:****Jurupa Mountains Discovery Center**

7621 Granite Hill Drive  
Jurupa Valley, California 92509

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