March 2017 Meeting Announcement

“Extensional Development of the Horse Range, Nye County, NV”

Dr. Joan E. Fryxell
California State University, San Bernardino

Wednesday, March 15, 2017

Location: Pinnacle Peak Steakhouse, Colton, CA

See speaker & meeting details on pages 3 - 4

RSVP to aeginland@gmail.com by 5:00pm, Tuesday, March 14, 2017.
Many thanks to our February speaker, Robert G. Taylor, PG, with the U.S. Forest Service for presenting his talk, “United States Forest Service Burned Area Emergency Response (BAER) Program using local and recent fire examples”. I was only able to introduce our speaker before I had to bail out because of a nasty cold. But, I heard many good things, so thanks again Robert.

With regards to our bid to become a legitimate AEG chapter within the southern California region, if you recall we sent in paperwork and supporting information back in early February to AEG National. I have recently prompted them on the status of our bid but, as I’m typing this message, I have not received a response. No news is good news? Maybe, but I’ll keep you posted.

Here in Los Angeles County you may be aware that our entire Board of Supervisors has “termed out” within the last couple of years resulting in an entirely new Board. This is a good thing and brings with it a lot of new and different perspectives and directions. Some good, some maybe not so good, at least in how they’re implemented. Allow me to explain. At LA County Public Works, our Department consists of about 30 Divisions, most of which have different types of contracts with outside consultants for handling a myriad of tasks that might come up. One such type of contract covers “Contract Employees”. In essence, they are under contract with the County, and work at Public Works, to perform a specific tasks, such as the scanning of hard-copy files in accordance with the County’s initiative to “Go Green”. Our Board, in conjunction with our Union, decided County employees can do this work and effectively immediately terminated these types of contracts at Public Works a couple of weeks ago at the end of February. Now, don’t get me wrong, I’m all for keeping work in-house but, I think the implementation was too drastic. In my opinion, a better approach would have been some notification to the Department with a plan to phase out of the contract employees while being replaced with County employees, either existing or new hires. Those AEG members that work for government agencies know the hiring process is long and drawn out, nothing like the private sector. We’ll see how this plays out. We’re hearing whispers through the grapevine, the County Board of Supervisors along with our Union are looking at all types of contracts but, I’ll leave that for the future.

I look forward to seeing you at our March 15th meeting.

Greg Johnson
Chair AEG Inland Empire Chapter

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ABSTRACT
The Horse Range, on the eastern flank of Railroad Valley, encapsulates much of the deformational history of that part of the Basin and Range province. Paleozoic sedimentation was followed by thrust faults during the Sevier Orogeny, which is represented by at least one thrust fault exposed in this area. The advent of Oligocene volcanism is well represented by earlier local explosive volcanic deposits, as well as later more regional ignimbrites. All this was a prelude to the extensional faults that opened the basin(s) into which the Horse Camp Formation was deposited, as well as extensional faults that dismembered this/these basins, tilting the Horse Camp Formation rocks. The geometry of this assembly leads to some intriguing questions about the structural development of extension here, and produces a more complex picture than it appears at

SPEAKER BIOGRAPHY
Dr. Fryxell is a structural geologist, primarily focused on extensional tectonics in western North America. She has degrees from Earlham College (geology), the University of Texas at Austin (botany), and the University of North Carolina at Chapel Hill (geology), as well as postdoctoral experience at the U.S. Geological Survey in Flagstaff, and at Harvard University.

She has been with CSUSB since 1989, where she was a member of the founding group of faculty for the geology programs. She is a member of the American Geophysical Union, Geological Society of America, Inland Geological Society, Nevada Petroleum and Geothermal Society, and Sigma Xi.
### AEG-IE FEBRUARY MEETING DETAILS

**Date/Time**  
Wednesday, March 15, 2017.  
Social hour 5:30 - 6:30  
Dinner 6:30 - 7:15  
Announcements 7:15 - 7:30  
Talk and Q&A 7:30 - 8:30

**Location**  
Pinnacle Peak  
2533 La Cadena Drive South  
Colton, CA 92324

**Cost**  
$25 with RSVP  
$10 per student with RSVP and proof of valid student ID  
$30 for walk-ins without RSVP

**RSVP**  
aeginland@gmail.com  
Deadline is COB Tuesday, March 14, 2017  
Individuals who RSVP but do not attend may be charged if the final attendance does not meet the restaurant guarantee.

### DIRECTIONS TO THE MEETING LOCATION

**Directions: From I-215 Heading South:**  
1. Exit Barton Road and merge onto La Crosse Ave  
2. Turn Right onto Barton Road  
3. Turn slight Left onto La Cadena Drive South  
4. Destination on right. (2533 La Cadena Drive South).

**Directions: From I-215 Heading North:**  
1. Exit South Iowa Avenue.  
2. Turn Right onto South Iowa Avenue  
3. Continue onto La Cadena Drive South  
4. Make a U-Turn at West La Loma Street  
5. Destination on right. (2533 La Cadena Drive South).
PROFESSIONAL MEETINGS IN MARCH


AEG-Inland Empire Section: March 15, 2017 (Wednesday). “Extensional Development of the Horse Range, Nye County, NV”. Speaker: Dr. Joan E. Fryxell, California State University, San Bernardino. For more information visit: http://www.aegsc.org/chapters/inlandempire/

ASCE: (Orange County Branch). March 15, 2017 (Wednesday), 6pm-8pm. ASCE OC YMF March 2017 Board Meeting at Jacobs (OPEN TO ALL). For more info visit: http://www.asceoc.org/


ASCE: (San Diego County Branch). For more info visit: http://www.asce-sd.org/

EERI: (San Diego). March 29-30, 2017 (Wednesday-Thursday). 2nd Workshop on Geotechnical Earthquake Engineering “Dealing with the Consequences of Liquefaction”, Honoring the lifetime achievements and contributions of Professor Kenji Ishihara. For more info, visit: http://sandiego.eeri.org/

GRA: (San Diego Branch) TBD Branch Meeting. For more info, visit www.grac.org/


SCGS: For more info visit: http://www.southcoastgeo.org/meetings.shtml

SME: For more info visit: http://mine-engineer.com/socalmining/

SDAG: March 22, 2017 (Wednesday). “Understanding the Licensure Laws and Responsibilities of the Licensee”. Speaker: Laurie Racca, PG. For more info visit: http://www.sandiegogeologists.org/Meetings.html
REQUEST FOR FIELD SITES TO VISIT AND GUEST LECTURERS

Geol 430 - Engineering Geology will be taught Spring 2017 at CSU San Bernardino. We are looking for field sites to visit, so if you have a grading job, slope stability project, or fault trench, etc. then please consider letting this class visit on a Friday afternoon from April - May - or early June. Also, if you would like to give a guest lecture in class then please send an email; we are interested in hearing about what you do as an engineering geologist, a case history, or an important lesson you have learned in your career.

Contact Kerry Cato at kerry.cato@csusb.edu.

UPCOMING MEETINGS IN 2017

Wednesday, April 19, 2017
“Potential new seismic sources (Dume Fault East, Culver City and Potrero Canyon East faults) proposed in the Santa Monica Bay, Beach Cities and Cheviot Hills Area, and development of the West Beverly Hills Lineament.”

Speaker: Miles Kenney, Ph.D., P.G., Kenney GeoScience
Location: TBD

Wednesday, May 24, 2017
2016-2017 Richard H. Jahns Distinguished Lecturer in Applied Geology Association of Environmental and Engineering Geologists and the GSA Engineering Geology Division

Speaker: Scott Anderson, Ph.D., P.E.
Location: TBD
Conferences -
You will find value at both Annual Meetings and Specialty Conferences and in the technical knowledge and continuing education you receive at these meetings. (More Info)

Networking Opportunities -
With over 3000 members, AEG provides you with access to a wide network of Environmental and Engineering geology professionals at both our local section meetings and at national conferences. (More Info)

Publications -
AEG News, the Environmental & Engineering Geoscience Journal, and the AEG Insider contain relevant geoscientific information, updates on AEG activities, and engaging scientific interest stories. (AEG News)(AEG Insider)

With benefits like these, of course you want to be part of AEG! We encourage you to spread the word – talk to your co-workers, classmates and friends about AEG and all it has to offer.

REMEMBER:

- Student Membership is FREE!
- Graduating student receive their first year of full membership for FREE as our Graduation Gift to you (Contact us at aeg@aegweb.org to receive your gift)

If you have – thank you! Full members receive discounted registration for Annual Meetings and Specialty Conferences.

If you have any questions regarding your membership status or would like to join, please call one of our officers.
OPPORTUNITY TO VOLUNTEER

Would you like to help out in the event of a damaging earthquake? With your expertise emergency responders can effectively manage earthquake response without the risk of butting heads or micromanaging responders. This is one of the goals of The California Earthquake Clearinghouse and they are expanding into our area. The CEC looking for geologists, engineers and other professionals to help coordinate earthquake field investigations as well as share their knowledge with emergency responders and the engineering and scientific communities. Benefit from shared information, situational awareness, FEMA training and limited liability coverage training. You can find a more detailed history of the CEC, events they have responded to and reasoning behind its creation here: www.californiaeqclearinghouse.org

Interested? Additional Questions?
Contact
Andrew Robinson
Geochemistry Laboratory Specialist
Vice Chair South AEG-IE
arobi002@ucr.edu
The National Association of State Boards of Geologist (ASBOG) will be holding the spring Council of Examiners (COE) Workshop in Flagstaff, AZ during April 2017 and the fall COE in Portland, OR during November 2017. The COE consists of two days reviewing the previous and subsequent ASBOG exams used for qualifying geologists for professional registration. The COE is conducted by Subject Matter Experts (SMEs) made up of geologists from the various State Boards. As part of the new procedures implemented by the ASBOG Executive Committee, selected SMEs registered in or adjacent to the State where the COE is being held have been included as part of the COE process.

The requirements for applying to be a SME to the COE are:

- Registered/Professional Geologist in good standing from a State using the ASBOG exams for registration
- Having passed the ASBOG exam(s) previously
- Working as a professional geologist in industry, academia, or government
- Agree to the terms and conditions as set forth by ASBOG for being a SME
- Able to attend the COE knowing that your travel expenses will not be reimbursed

The COE is a key component of expanding and maintaining a relevant and defensible examination for applicants. Due to the strict exam review process performed for each administration and the task analysis performed every 5 years, ASBOG has developed one of the fairest and most applicable exams for licensure of geologists. SMEs play a critical role in ensuring that the COE has sufficient professional experience to perform this process and give fair weight to all aspects of geology.

The COE is structured as a two stage process and have parallel sessions (fundamentals and professional). During the first day, instructions are provided by the psychometrician and then the participants “take” the exam that was given during the past administration. In the afternoon, participants review each of the questions as a group with input from the psychometrician indicating how the questions performed on the exam. Based on this review, questions are accepted or may be double keyed and/or removed. Generally only questions that have not been used, or used infrequently, in the past are identified as being of concern when they are ambiguous to the group and/or they have not performed well within the administration. During the second day the process is repeated, but for the exam that will be given at the next scheduled administration.

If you are interested to be part of this process, please provide your credentials and information to ASBOG for consideration.

This information can be emailed to: Deana Sneyd < dsneyd@asbog.org >.
SCEC SUMMER 2017 INTERNSHIP OPPORTUNITIES

SCEC offers two internship programs for college undergraduate students:

**SCEC/SURE (Summer Undergraduate Research Experience)**
Interns are primarily juniors or seniors, and most projects are best suited for students majoring in earth science or a related field. SURE interns are paired one-on-one with a SCEC scientist at that researcher’s institution or field site, to work within that scientist’s field of specialty.

**Program Goals**
SCEC/SURE was established to provide hands-on research experience for undergraduates and expand student participation in the earth sciences and related disciplines; encourage students to consider careers in research and education; interest, train, and retain talented students, including women, members of underrepresented minorities, persons with disabilities, and students outside the earth sciences.

**Student Compensation**
Each SCEC/SURE intern is paid a stipend of $6500 for 8-10 weeks of research. The length of the internship depends on the project and on the internship schedule that each mentor and intern will create in late spring. This stipend must be used to pay for food, housing, and incidental costs.

**SCEC/USEIT (Undergraduate Studies in Earthquake Information Technology)**
Interns work on collaborative teams at SCEC headquarters at the University of Southern California and conduct computer science research to benefit earthquake science.

**Program Goals**
SCEC/USEIT was established to allow undergraduates to use, hands-on, the advanced tools of information technology to solve important problems in interdisciplinary earthquake research; close the gap between two fields of undergraduate study – computer science and geoscience – by cross-training students in the modes of understanding distinct to these disciplines; engage non-geoscience majors in the application of earth science to the practical problems of reducing earthquake risk, and thereby inform students with varied backgrounds how their classroom skills can be applied to significant social issues; interest, train, and retain talented students from outside the earth sciences, including women, members of underrepresented minorities, and persons with disabilities; and teach students to succeed in collaborative, multidisciplinary workplace settings in and out of research arenas.

**Student Compensation and Housing**

**Stipend and Meal Allowance**
Each SCEC/USEIT intern receives a stipend of $4000 for 8 weeks of research, plus $1000 as a meal allowance ($5000 total).

**Housing**
Double occupancy housing is available on the USC campus for any USEIT student, and will be paid directly by SCEC. Students can request single occupancy housing, which has a higher cost that will be deducted from the stipend provided. Students living elsewhere will receive a $1500 housing allowance (for a grand total of $6500).

**Questions? Email** [internships@scec.org](mailto:internships@scec.org)
**CAREER OPPORTUNITY**

**Geology Instructor**  
**State Center Community College District**  
Closing Date: **3/16/2017 at 11:55 PM**  
**Campus Location:** Clovis Community College  
**Start Date:** 08/10/2017

**Essential Functions:**
Includes teaching physical and historical geology, oceanography, earth science, and environmental science; teaching assignments may include a variety of instructional settings and times, including evenings and weekends; curriculum and program development and/or revision, including program review and the development and assessment of student learning outcomes for courses and programs; communicating effectively with students and staff; developing classroom presentations using appropriate technologies; advising students; advising students; participating in college/district committees; participating in appropriate professional meetings and workshops; cooperating with regard to scheduling classes between colleagues in the same disciplines; participating in student recruiting activities; assist in the advancement of the institutional mission and goals; and otherwise fulfilling the duties and responsibilities of instructors as required by Administrative Regulation 7122.

**Minimum Qualifications:**
Include a masters degree in geology; **OR** a bachelors degree in geology **AND** a masters degree in geography; **OR** a valid California Community College Credential; **OR** the equivalent education and/or experience (requires an equivalency); **AND** demonstrated sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds of community college students.

**Desirable Qualifications:**
Preference shall be given to candidates who have experience in teaching physical and historical geology, earth science, oceanography, environmental science; classroom and laboratory teaching experience encompassing the breadth of courses taught; the use of a variety of pedagogies and integrating educational technologies into classroom and laboratory instruction; related work and professional experience in geology; experience with diagnosing and remediating knowledge and skills deficiencies; that demonstrate an ability to design and implement innovative teaching methodologies; who evidence a commitment to interacting and working successfully as a team with science instructors, laboratory technicians, and other colleagues; that express an enthusiasm for teaching and assisting students to succeed; have an ability to develop curriculum in emerging areas of geology; who demonstrate an ability to adapt instructional techniques to accommodate varied learning styles and a variety of teaching modalities including distance learning; experience with the administration of course budgets including the selection, purchase, installation and maintenance of computer and software as well as other lab equipment and supplies for the geology courses; and exhibit the capacity to contribute to the total operation of the instructional program including Department, Division, and State Center Community College District responsibilities.

**Conditions of Employment:**
177 duty days

**Salary and Benefits:**
Starting salary is $54,029 $81,342 based on education and experience. A doctoral stipend of $2,021 is available. In addition, the District offers an attractive fringe benefit package including medical, dental, and vision coverage for the employee and dependents, and life insurance. Employees are also members of the California State Teachers Retirement System (CalSTRS).
Selection Procedure:
Applications will be screened to determine which applicants meet the minimum qualifications as stated in the job announcement. From the applicants who meet the minimum qualifications and who have submitted all the required documents, a selection committee will determine the candidates who are best qualified based on the minimum and desirable qualifications. They will be invited to interview. The selection committee will rate responses to the interview questions, teaching demonstration and writing prompt (if applicable). Based on this rating, a small number of applicants will be selected as the recommended candidates. These candidates will be forwarded to the Vice President of Instruction and Student Services and College President for final interviews. A hiring recommendation will be made by the College President and forwarded to the Board of Trustees of State Center Community College District for final approval. State Center Community College District is an equal opportunity employer. It is our pledge to treat all applicants fairly and equitably in the recruitment and selection process. We endeavor to be a service-minded organization and respond to the needs of our applicants. For more information, contact the Academic Human Resources Office, 1525 E. Weldon Avenue, Fresno, California, 93704, (559) 244-5900. For information on Clovis Community College or State Center Community College District, visit our website at www.scccd.edu. Please refer to Position No. 5599. Submission of application and related materials is the applicants responsibility and must be submitted through the districts online applicant portal. The District reserves the right to re-advertise or to delay indefinitely the filling of a position if it is deemed that the applicants for the position do not constitute an adequate applicant pool or if funding is not available. All application materials are subject to verification. False statements may be cause for disqualification or discharge from employment.

Additional Information:
To be considered for this position please visit our web site and apply on line at the following link:

www.scccd.edu

EOE
jeid-3c7606ac49e690438d359999cf648557

Application Information
Contact:
Sandi Edwards
State Center Community College District
Fax:
559-229-7039
Online App. Form:
http://apptrkr.com/958064

State Center Community College District is an Equal Opportunity Employer. It is the policy of State Center Community College District to provide all persons with equal employment and educational opportunities without regard to race, ethnicity, national origin, gender, age disability, medical condition, marital status, religion, or other similar factors as defined by law. We are a Title 5 Employer.
Geology Instructor Part-time Pool  
Institution: South Orange County Community College District  
Location: Mission Viejo, CA  
Category: Faculty - Science - Geology, Earth Sciences, and Oceanography  

Posted: 02/01/2017  
Type: Adjunct/Part-Time  
Classification Title: Geology  

Position ID: 1915  
Job Opening ID: PTF 2013  
Department: Geology (Dist-PTF-029)  
Pay Basis: Hourly  
Pay Rate: Commensurate with education.  
Summary Description: Instruct classes in Geology as assigned.  

Representative Duties and Responsibilities: Instruct classes as assigned. Participate in general faculty functions related to the educational program and in-service activities. Assignments may include day, evening, and/or weekend courses.  

Assignment Type: Part-time Faculty  

Minimum Qualifications:  
The successful candidate must meet one of the following criteria:  
1. Master’s degree or higher in geology, geophysics, earth sciences, meteorology, oceanography, or paleontology from an accredited college or university; OR  
2. Bachelor’s degree in geology AND a Master’s degree in geography, physics, or geochemistry from an accredited college or university; OR  
3. Valid California Community College instructor credential appropriate to the subject per Education Code 87355 (issued prior to July 1, 1990); OR  
4. A combination of education and experience that is at least the equivalent of items 1 or 2 above (Applicants applying on the basis of equivalency must complete all Equivalency questions on their application in addition to all other required materials).  

Conditions of Employment:  
Part-time, temporary, hourly assignments are on an as needed basis. This is an ONGOING recruitment. We accept part time faculty applications all year long; when the department or division has a need to fill, they refer to the "pool" of part time faculty applications on file.  
APPLICATIONS AND INQUIRIES  
All interested applicants must complete an online Part Time Academic Application located on our Employment Web site at https://jobs.socccd.edu. All required documents must also be submitted (may be attached online).
Any inquiries may be directed to:

Office of Human Resources
South Orange County Community College District
28000 Marguerite Parkway
Mission Viejo, CA 92692
(949) 582-4850

SOCCCD is an Equal Opportunity Employer

Application Information
Contact: South Orange County Community College District
Online App. Form:
https://jobs.socccd.edu/postings/7636