

Association of Environmental and Engineering Geologists

Inland Empire Chapter

of the Southern California Section

Vol.8 No. 4

www.aegsc.org/chapters/inlandempire

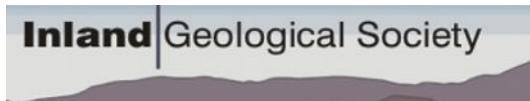
April Newsletter

Southern California Earth Resource Awareness Meeting

Joint Meeting



Society for Mining, Metallurgy & Exploration



“An Update on Project Phoenix, the re-opening of the modernized Mountain Pass Rare Earth Element Mine, California”

A Presentation by

Brock O’Kelley,

MolyCorp

And

A Celebration of the 20th anniversary

of the founding of the

Department of Geological Sciences at California State University, San Bernardino

Thursday, April 12, 2012

Note: This is one week earlier than our normally scheduled meeting
6:00 – Social 7:00 – Dinner 7:30 – Program

Location

CSU-San Bernardino, Obershaw Dining Room, CO-205
(Meeting Cost \$25; Students \$5);

[See meeting details on pages 2 - 5](#)

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*The Department of Geological Sciences at California State University, San Bernardino
Society for Mining, Metallurgy, and Exploration
Inland Geological Society and Association of Environmental & Engineering Geologists
request the honor of your company at the*

Southern California Earth Resource Awareness Meeting

Thursday, the 12th of April, 2012

*Reception and Social Hour at 6:00 PM, Dinner at 7:00 PM, Program at 7:30 PM
Obershaw Dining Room, CO-205, CSUSB Campus (see attached map)*

The social hour will feature informational booths from mining operations in Southern California and a CSUSB Geology Alumni reception, celebrating the 20th anniversary of the founding of the Department of Geological Sciences at California State University, San Bernardino.

*Dinner Menu: Antipasto platters, Caesar salad, Sautéed vegetables, Cheese tortellini or Penne pasta, Chicken cacciatore or Home-style meatballs, Tiramisu
(special dietary needs accommodated by request)*

The evening program will feature a presentation by Brock O'Kelley, Technology Fellow for Molycorp. Mr. O'Kelley will present an update on Project Phoenix, the re-opening of the modernized Mountain Pass Rare Earth Element Mine, California

Please R.S.V.P. using the enclosed card by Monday, April 2nd



Program Speaker: Brock O'Kelley - Molycorp Technology Fellow

Brock O'Kelley has been with Molycorp for over 25 years, starting in 1985 at the Louviers, Colorado separations facility as a Process Engineer. In 1990, he was transferred to the Mountain Pass, California mine as Superintendent of the Rare Earth Separations plant. Over the years, he has held a variety of positions at Mountain Pass including Operations Manager, Technology Manager and Director of Technology. Most recently, Mr. O'Kelley became Molycorp's first Technology Fellow, where he is responsible for development of processes and process improvements being utilized in Molycorp's Project Phoenix, a \$780M rebuild of the Mountain Pass production facilities. Brock graduated from the Colorado School of Mines in 1974 with a B.S. in Mineral Processing and Extractive Metallurgy. He has experience in the lead belt of Missouri, iron and steel in East Chicago and Indiana, and oil shale in Colorado.

Southern California Earth Resource Awareness Meeting

6:00 p.m. April 12th, 2012 - CSUSB Campus

\$25 per attendee - \$5 Students - children free (under 12)

I (we) will attend I (we) will be unable to attend

____ Number of guests

Please print the name(s) of attendee(s) you are paying for on the back of this card, and provide contact information.

Enclosed is my check
(please make check payable to CSUSB Geological Sciences Department)

RSVP, but will pay at the door

Southern California Earth Resource Awareness Meeting

6:00 p.m. April 12th, 2012 - CSUSB Campus

\$25 per attendee - \$5 Students - children free (under 12)

____ Number of guests

Name(s)

affiliation(s)			CSUSB, Alumni, Other
S	I	A	
M	E	G	E
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Contact Phone or e-mail _____

To RSVP, please return this card/payment to:

Dr. Erik Melchiorre
Geological Sciences, CSUSB
5500 University Parkway
San Bernardino, CA 92407



CALIFORNIA STATE UNIVERSITY SAN BERNARDINO

5500 University Parkway, San Bernardino, CA 92407-2393
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Campus Map 2012

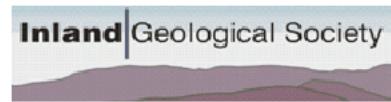
January 9, 2012

*Parking permits are required to park on campus at all times – 24 hours a day/7 days a week <http://admin?n.csusb.edu/parking>



*Southern California Earth Resource Awareness Meeting
6:00 PM to 9:00 PM April 12th, 2012 - CSUSB Campus
Obershaw Dining Room, CO-205*

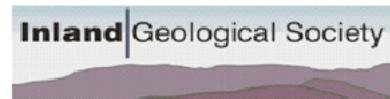
PARKING PERMIT



Please make sure this permit is clearly visible through the front windshield on the dashboard of your car. Valid for lots B, C, and D.

*Southern California Earth Resource Awareness Meeting
6:00 PM to 9:00 PM April 12th, 2012 - CSUSB Campus
Obershaw Dining Room, CO-205*

PARKING PERMIT



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ANNOUNCEMENTS

Governor's New Appointments to the California State Mining and Geology Board

On March 20, 2012, Governor Edmund G. Brown Jr. announced the following SMGB appointments,
<http://www.gov.ca.gov/news.php?id=17458>

Thomas Barry, 47, of San Francisco, has been appointed to the State Mining and Geology Board. Barry has been a senior geologist at Shaw Environmental and Infrastructure Group since 1997. He was a geophysicist at JR Associates from 1996 to 1997, a project manager and geologist for Ogden Environmental and Energy Services Inc. from 1995 to 1996, an environmental planner and geologist for Pacific Basin Environmental Consultants Inc. from 1994 to 1995 and a geophysicist and utility surveyor for JR Associates from 1990 to 1994. Barry is a member of the Association of Environmental and Engineering Geologists and the Northern California Geological Society. This position requires Senate confirmation and the compensation is \$100 per diem. Barry is registered decline-to-state.

Jelisaveta Gavric, 39, of Sacramento, has been appointed to the State Mining and Geology Board. Gavric has been a legislative advocate at the California Association of Realtors since 2005. She was a senior geologist at Schlumberger Water Services from 2004 to 2005 and an engineering geologist for the California Department of Water Resources 2000 to 2004. Gavric was a hazardous substances engineering geologist for the California Department of Toxic Substances Control from 1999 to 2000 and a geologist for Jacobs Engineering from 1997 to 1999. This position requires Senate confirmation and the compensation is \$100 per diem. Gavric is registered decline-to-state.

Ron Hughes, 55, of Gold River, has been appointed director of the Office of Technology Services at the California Technology Agency. Hughes has been president of the California Data Center Design Group since 2002. He was the director of data center design at Telegis Networks from 2000 to 2002. Hughes served in multiple positions at the Stephen P. Teale Data Center from 1990 to 1999. He worked at the California State Controller's Office from 1980 to 1990 in multiple positions, including staff services manager. This position requires Senate confirmation and the compensation is \$129,000. Hughes is registered decline-to-state.

Dan Reding, 51, of Vacaville, has been appointed to the State Mining and Geology Board. Reding has been financial secretary for operating engineers for the Local Union 3 since 2009. He has served in various roles with the Operating Engineers Local Union 3, including treasurer from 2006 to 2009, district representative from 2005 to 2006 and business representative from 2003 to 2005. Reding was a member of the Local Union 3 working underground for Cal Smith & Sons from 1984 to 1985. Reding is a member of the Operation Engineers Local Union 3 Trust Funds, Crane Owners Trust Fund and International Foundation of Employee Benefit Plans. This position requires Senate confirmation and the compensation is \$100 per diem. Reding is a Democrat.

Michele Steeb, 43, of Gold River, has been appointed to the Prison Industry Board of Directors. Steeb has been chief executive officer for the St. John's Shelter for Women and Children since 2007. Steeb served as vice president of public affairs at the California Chamber of Commerce from 2003 to 2007. She was chief executive officer at IBT Financial from 1997 to 2001 and political affairs manager for Congressman Tom Campbell from 1993 to 1996. This position does not require Senate confirmation and there is no compensation. Steeb is a Republican.

ANNOUNCEMENTS (continued)

Proposed Elimination of the State Mining and Geology Board

The Governor's proposed budget for FY 2012-13 contains provisions to "streamline" state government operations by eliminating many boards and commissions, including the State Mining and Geology Board (SMGB). The SMGB's authority and function would be transferred to the Director of the Department of Conservation. This transfer would shut the door on public access to the board and its operations, and it would eliminate a check-and-balance of authority between the board and the Director. Without the SMGB, the Department of Conservation would lose a valuable source of independent technical expertise and experience-based policy advice.

Budget hearings will begin again in May after the "May revise" of the Governor's budget is published. Interested parties may contact the leaders listed below to express their opinions on the continuation of the SMGB. Senator Simitian chairs the Senate Budget Committee, Senators Lowenthal and Fuller are members of his committee. Copies of letters to the Budget committee may be sent to Resources Secretary John Laird and the Director of the Dept. of Conservation, Dr. Mark Nechodom. Assembly committee hearings will also likely be held. Committee assignment for the Assembly will be available later.

Contact Information for Senators, Governor, Resources Secretary, & Department Director:

Senator Joseph Simitian

Capitol Office

State Capitol, Room 2080, Sacramento, CA
95814-4900; (916) 651-4011

District Offices 160 Town and Country Village, Palo Alto, CA 94301; (650) 688-6384
701 Ocean Street, Suite 318A, Santa Cruz, CA 95060; (831) 425-0401

Senator Alan Lowenthal

Capitol Office

State Capitol, Room 2032, Sacramento, CA
95814-4900; (916) 651-4027

District Offices 115 Pine Avenue, Suite 430, Long Beach, CA 90802; (562) 495-4766
16401 Paramount Blvd., First Floor, Paramount, CA 90723; (562) 529-6659

Senator Jean Fuller

Capitol Office

State Capitol, Room 3063, Sacramento, CA
95814-4900; (916) 651-4018

District Office 5701 Truxtun Avenue, Suite 150, Bakersfield, CA 93309; (661) 323-0443

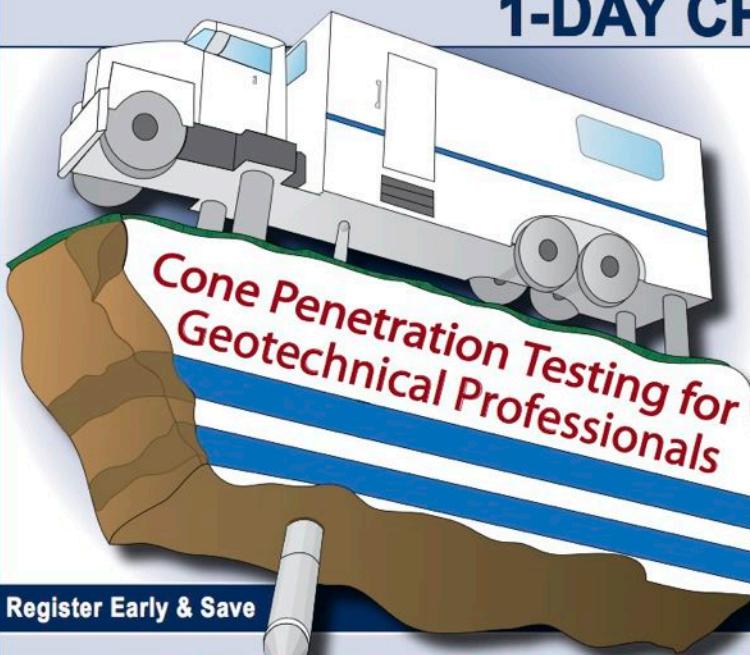
Governor Jerry Brown

Governor Jerry Brown
c/o State Capitol, Suite 1173
Sacramento, CA 95814
Phone: (916) 445-2841
Fax: (916) 558-3160

Secretary John Laird

Secretary, California Natural Resources Agency
1416 Ninth Street, Suite 1311
Sacramento, CA 95814
(916) 653-5656
(916) 653-8102 fax
Director Mark Nechodom, Ph.D.
Director, Department of Conservation
801 K Street, Suite 2400
Sacramento, CA 95814
(916) 322-1080

ANNOUNCEMENTS (continued)



1-DAY CPT SHORT COURSE

SOUTHERN CALIFORNIA:
Friday - APRIL 6, 2012
HYATT REGENCY RESORT
Huntington Beach

COURSE INSTRUCTOR:
Dr. Peter Robertson

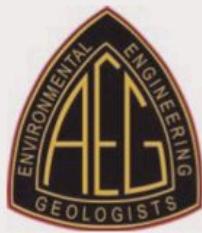
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AEG Member Benefits

PUBLICATIONS

- National newsletter **AEG NEWS**
- National peer-reviewed **JOURNAL OF ENVIRONMENTAL & ENGINEERING GEOSCIENCE**, co-published with the Geological Society of America

WEBSITES

- National Website
- Southern California Section and Chapter Websites

MEETINGS

- Monthly Southern California Section Meeting
- Monthly Inland Empire Chapter Meeting

INFORMATION

- Regulatory updates
- Licensure updates from the Board of Professional Engineers & Land Surveyors

CONTINUING EDUCATION & SKILL DEVELOPMENT

- Chapter sponsored annual Short Course
- Chapter sponsored annual Field Trip

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REG REVIEW, Inc.—ASBOG Study Course

Are you taking the CEG or CHG exam in Fall 2012? REG REVIEW, Inc. will be offering a study course for the CEG and CHG exams on Saturday, June 19, 2012. The courses will be offered at the Best Western Orange County Airport North in Santa Ana, CA. For more info., visit www.regregview.com/



GEO-
INSTITUTE
San Diego Chapter



1-DAY SHORT COURSE
“ANALYSIS, DESIGN AND TESTING OF PILE FOUNDATIONS”

Instructor: Professor Bengt Fellenius
Date: Friday, March 30, 2012
Program: 8:00 am – 5:00 pm
Venue: Grand Pacific Palisades Resort & Hotel
5805 Armada Dr., Carlsbad, CA 92008
(<http://www.grandpacificpalisades.com/>)
Registration: Available online at
<https://www.eeri.org/registration/register.php>
Fee includes lunch, morning and afternoon refreshments, and
notebook of lecture notes.
**Members of EERI, ASCE Geotech (Geo-Institute San Diego), and
Deep Foundations Institute:** \$225
Non-Members: \$300
Students: \$125
PDHs: 7 Professional Development Hours available.

CONTENT: Case histories will be incorporated into all topics

1) Settlement analysis and accelerating settlement with wick drains

Principles of effective stress, stress distribution, compressibility, and settlement. Principles of radial consolidation and applications of wick drains to improve settlement conditions and mitigate lateral flow.

2) Analysis of load transfer and capacity of piles

Bearing capacity and load-transfer by effective stress and total stress methods; set-up and relaxation; capacity from CPT and CPTU and other in-situ methods.

3) The static loading test

Methods of testing, determining capacity, analysis of strain-gage instrumentation, residual load, separating shaft and toe resistances, determining load distribution, the O-cell test.

4) Design of pile foundations

Factor of safety, and rules of LRFD and Limit States Design, negative skin friction, drag load, and downdrag, settlement of single piles and pile groups due to load directly on the piles and due to influence from adjacent activity (downdrag); brief reference to Canadian, U.S., and European Codes.

Instructor: Dr. Bengt H. Fellenius, formerly professor of civil engineering at the University of Ottawa, is an internationally recognized foundation engineering consultant and the author of more than 300 technical papers. His professional experience comes from a wide variety of assignments that encompass foundation design for industrial plants, water and sewage treatment facilities, bridges and highway projects, marine structures, and urban area development, as well as participation in special investigations, instrumented field tests, etc. Dr. Fellenius has given lectures and courses to several universities and international conferences throughout America, Europe, and Southeast Asia. He currently lives in Sidney, BC, Canada.

**AEG-IE
Chapter Officers**

Chapter Chair
Debbie Kunath
Consulting Geologist
(760) 885-0232
debbie_kunath@ymail.com

Vice Chair
Frank Jordan
John R. Byerly, Inc.
(909) 877-1324
Geo_jordan@gmail.com

Treasurer
David Gaddie
John R. Byerly, Inc.
david_@johnrbyerlyinc.com

Secretary & Newsletter Editor
Kerry Cato
Cato Geoscience, Inc.
(951) 834-2619
kerry@catogeoscience.com

Field Trip Chairman
Mark Spykerman, Earth
Systems Southwest,
mspkyerman@earthsyst.com

Membership Chairman
Richard Orr, Leighton Group,
Rorr@leightongroup.com

Past Chairs; Frank Jordan, 2005, 2011; Gary Wallace, 2006; Rick Gundry, 2007, Mike Cook, 2008; Kerry Cato, 2009; Douglas Johnston 2010.

The AEG Inland Empire Chapter *Newsletter* is a monthly publication of the Inland Empire Chapter of the Southern California Section, Association of Environmental and Engineering Geologists. For more information visit the Chapter website: <http://www.aegsc.org/chapters/inlandempire/>

Submittals: Deadline, 28th of the month. Employment notices, job position announcements, and advertisements can be posted for a minimal fee. *Newsletter circulation about 170 in greater inland areas of Southern California, and elsewhere.*

E-Mail Address changes: aeginland@gmail.com

OTHER MEETINGS

AEG-IE/ASCE-IE: May 12 (Sat). ***"Landslide & Slope Stability Short Course."***

Location: UC-Riverside Extension. For future updates:

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

AEG-IE : June 9, 2012 (Sat). ***"Landslide Field Trip to the San Bernardino Mountains."***

For future updates: <http://www.aegsc.org/chapters/inlandempire/fieldtrips/>

AEG-Southern California Section: April 10, 2010 (Tuesday). Topic: ***"Rock Scour at Bridge Foundation."*** Speaker: **Dr. Jeff Keaton**, Amec. Location: Victorio's Restaurant, North Hollywood. For more information visit <http://www.aegsc.org/>

AAPG: April 22-25. ***2012 Annual Convention & Exhibition.*** Location: Long Beach Convention Center. See more information at <http://www.aapg.org/longbeach2012/>

ASCE: **Inland Geotechnical Group**: Apr 18, 2012 (Wednesday). Topic & Speaker: TBA. Location: Old Spaghetti Factory. **Geo-Institute – 35th Spring Seminar**: Apr 11, 2012 (Wednesday). Location: Queen Mary, Long Beach. For more information: <http://www.asce-ie.org/>

Desert Symposium: Apr 20-23. Location: Zzyzx
<http://biology.fullerton.edu/dsc/school/symposium.html>

EERI (San Diego Chapter): **1-DAY SHORT COURSE**: Mar 30, 2012 (Friday), 8am-5pm. Topic: ***"Analysis, Design, and Testing of Pile Foundations."*** Instructor: **Prof. Bengt Fellenius**. Location: Grand Pacific Palisades Resort & Hotel, Carlsbad, CA. **SEE BROCHURE ATTACHED TO THIS NEWSLETTER**. For more information visit <http://www.eeri.org/about-eeri/regional-chapters/>

EERI National EQ Conference, Apr 10-13. Location: Memphis, TN <http://2012am.eeri.org/>

IGS: Joint Meeting with SME & AEG_IE. For more info visit <http://www.inlandgeo.org/>

SCGS: Apr 4, 2012 (Wednesday). JOINT MEETING with the Groundwater Resources Association of California. Topic: ***"Communicating Groundwater Science: From Real-time to a Million Years"***. Speaker: **Dr. William M. Alley**, USGS and the GRA - David Keith Todd Distinguished Lecturer. For more info about SCGS visit: <http://www.southcoastgeo.org/>

SDAG: Apr 18, 2012 (Wednesday). Three scholarship students from SDSU, USD and Southwestern College will be presenting the findings of their theses. Location: TBA. For more info visit <http://www.sandiegogeologists.org/>

SME: Joint Meeting with IGS & AEG_IE. For more information visit <http://www.mine-engineer.com/socalmining/>

SSA: SSA Annual Meeting – Apr 17-19. ***SSA Annual Meeting***. Location: San Diego
<http://www.seismosoc.org/meetings/2012/>