

**ASSOCIATION OF ENVIRONMENTAL & ENGINEERING
GEOLOGISTS**

Southern California Section

"Connecting Professionals, Practice, and the Public."

NEWSLETTER – November 2005

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- Meeting Date:** **Monday, November 7**
Joint Meeting with the South Coast Geological Society
- Location:** The DoubleTree Club Hotel, Santa Ana, CA
- Time:** Social Hour: 6:00 PM; Dinner: 7:00 PM; Presentations: 8:00 PM
- Reservations:** Please call (949) 442-1713, ext. 224
- Cost:** \$25, when reservations made before *noon* on Friday, Nov. 4,
\$5 late fee for reservations made after *noon* on Friday, Nov. 4.
\$12 student fee
- Presenter:** Dr. Randall Jibson
- Topic:** The La Conchita Landslides of 1995 and 2005
- Abstract:**

The La Conchita landslide of 10 January 2005 damaged or destroyed 36 houses and killed 10 people. The landslide occurred at the culmination of a 15-day period of record rainfall in southern California. The landslide mobilized as a rapid debris flow that was, in fact, the remobilization of 200,000 m³ (15 percent) of the 1.3 million m³ deposit of a slower moving slump–earth flow that occurred in 1995. The mobilization of the same material twice in 10 years by very different mechanisms and with markedly different results is problematic from both scientific and hazard-warning perspectives. The variety of landslide hazards that continues to plague the La Conchita community presents significant technical and political challenges.

Speaker Bio

Randy Jibson received his Bachelor's degree in geology from San Diego State University. He attended graduate school at Stanford University where he received a Masters degree in civil (geotechnical) engineering and a Ph.D. in geology. He is currently a Research Geologist at the U.S. Geological Survey (USGS) in Golden, Colorado.

During his 26 years at the USGS, he has conducted research on a wide variety of landslide processes. He has conducted numerous post-earthquake investigations in the United States and throughout the world and is an internationally recognized expert in earthquake-triggered landslides. Most recently, he has developed methods to assess and map regional seismic landslide hazards using displacement-based methods.

He served as the Coordinator of the USGS Landslide Hazards Reduction Program for several years and has published more than 140 research articles, reports, and abstracts.

Directions to this month's meeting:

From LAX/Long Beach/Seal Beach/Fountain Valley

Take 405 south to 55 Freeway North (toward Riverside), Exit at first exit (Mac Arthur Blvd). Turn left (West) on MacArthur. Make first available left at Hutton Center Drive. Hotel is one block down on the left.

From Los Angeles

(Near Dodger Stadium)/Burbank/Buena Park

Take 5 Freeway south to 55 Freeway south (toward Newport), off at Mac Arthur Blvd. Turn right (west) at MacArthur, and then make first available left at Hutton Center. Hotel is one block down Hutton Centre Drive on the left.

From Riverside/Yorba Linda

Take 91 west to 55 Freeway south (toward Newport) off at Mac Arthur Blvd. Turn right (west) on MacArthur. Make first available left at Hutton centre drive. Hotel is one block down Hutton Centre, on the left.

From Diamond Bar/Fullerton/Anaheim

Take 57 Freeway south to 5 Freeway south to 55 Freeway south (toward Newport), off at Mac Arthur Blvd. Turn right (west) on MacArthur. Make first available left at Hutton Centre Drive. Hotel is one block down Hutton Centre Drive on the left.

Chair Column

Charles Nestle

Almost a year ago I reported in the December 2004 Section Newsletter that SB 363 had been signed into law effective January 1, 2005. This bill doubled our biannual license renewal fees to \$400 for the Geologist and Geophysicist licenses, and \$100 for the specialty certifications. Those of you receiving renewal notices this past year may have noticed no change in your fee. This is because the Budget Officer for the Department of Consumer Affairs, believing the increase excessive, forced the Board to reduce the amount. During the May 20, 2005 BGG Meeting the Board approved a reduced renewal fee increase of \$270 for the PG and GP licenses and \$67.50 for the certifications (with our attentions focused on the Governor and SB 228, this bit of information slipped by unnoticed). The new fee is expected to become effective January 2006.

About 30 folks attended the October Section meeting with a presentation by Dr. John Foster on the Echo Arch landslide just south of the San Onofre Nuclear Generating Station. This well presented talk featured historical photographs detailing the progression of failure as the scarp works its way towards the old two-lane highway adjacent to the San Diego Freeway. The lively post-talk discussion lasted almost as long as the presentation. This meeting was better attended than many recently, and I'd like to thank those who suffered the drive in from the Ventura, Riverside, and San Diego areas.

One last note: AEG is your Association and it thrives only with your participation. If you have any ideas about things you'd like AEG or the Section to do, or if you have ideas for field trips or other activities, or if you'd like to volunteer in some capacity, please let me know. Your participation is what makes AEG yours.

AEG's 50th Annual Meeting, September 24-29, 2007, Sheraton Universal, Los Angeles, CA

This announcement is repeated in the current newsletter as another reminder to the AEG membership to the Golden Anniversary of AEG. A few folks responded to the earlier announcement, but more comments would be appreciated.

AEG's Outstanding Environmental and Engineering Geologic Project Award requires quite a bit of lead time. It does not have to be a local, Southern California project, but I suspect that some qualified projects are in our backyard. The Outstanding Project Award in 1995 went to the West Coast Basin, Dominguez Gap, and Alamitos Seawater Intrusion Barrier System, Los Angeles, California. Check out page 49 in your January 2005 AEG News 48 (Annual Report and Directory) for past projects and criteria for nomination.

I am looking forward to working with a bunch of you Southern California Section AEG members to put on a memorable 50th Annual Meeting for the Association membership. A few folks have indicated willingness to participate, but more are needed. Please get in touch with me with any ideas and suggestions at the address listed below.

Jeffrey R. Keaton, PhD, PE, PG

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phone: (323) 889-5300

cell: (323) 215-8454; texe-message: 3232158454@cingularME.com

fax: (323) 889-5308

e-mail: jrkeaton@mactec.com

IGS Announces: **SHORT COURSE - LANDSLIDES**

Saturday November 5, 2005, UC Riverside Extension, Riverside, California.

The Instructor in Charge is Dr. Tien-Chang Lee, Professor of Geophysics and Hydrogeology, R.G., P.G., C.H.G., Department of Earth Sciences, University of California, Riverside. Topics to be presented by guest speakers are, as follows:

“The climate of southern California” Richard Minnich, UCR Earth Sciences;

“Some aspects of landslides in southern California” by Doug Morton, US Geological Survey;

“Types of Landslides and Landslide Maps - Tools for Assessing Landslide Hazards in California” and “Seismically Induced Landslide Mapping in California” Pam Irvine, California Geological Survey;

“2004-2005 El Nino Debris Flows in southern California” Rachel Alvarez, US Geological Survey;

“Hardrock landslides and their failure mechanism” Michael Hart, MW Hart Engineering Geology;

“Geotechnical photography” Woodrow Higdon, Geo-Tech Imagery International.

Description: Relate climate to landslides and debris flows in southern California; provide an overview and mechanism with site specific case histories, including slides in sedimentary layered areas and crystalline bedrock areas; identify historic landslides from airphotos; describe methods on mapping and assessing slides induced by rainfalls and earthquakes.

The Inland Geological Society in cooperation with the Association of Engineering Geologists (Inland Empire Chapter) are sponsoring this short course centered on landslide topics in partnership with the Department of Earth Sciences, University of California, Riverside.

If you are interested in presenting or attending, have ideas for other courses, or need information, please contact Rick Gundry: rick.gundry@verizon.net

**ASSOCIATION OF ENGINEERING GEOLOGISTS
SOUTHERN CALIFORNIA SECTION
PUBLICATION ORDER FORM**

Ordered By/Shipping Address:

Mail Order Form To:

NAME		AEG Southern California Section, Publications Chairperson
ADDRESS		C/O Petra Geotechnical, Inc.
CITY, STATE, ZIP		3185-A Airway Avenue Costa Mesa, California 92626
PHONE		Attention: Dave Seymour Phone (714) 549-8921; Email dseymour@petra-inc.com (Inquiries only, orders must be mailed with payment)

TITLE / DESCRIPTION	PRICE	QTY	TOTAL
Baldwin, J.E. and Sitar, N., 1991, Loma Prieta Earthquake: engineering geologic perspectives , AEG Special Publication No. 1, 170p	\$10.00		
Bishop, K, and Tandy, 1995, Ground Failure during the January 17, 1994 Northridge earthquake : Association of Engineering Geologists, Southern California Section, Annual Field Trip Guidebook, November 11, 1995, 106p.	\$20.00		
Briggs, R.P. and Parke, C.D., 1990, Guide to Field Trips in Pennsylvania, Ohio, and West Virginia , AEG 33 rd Annual Meeting, October 1-5	\$15.00		
Highway and Railroad Slope Maintenance : AEG, 34 th annual meeting, September 29 th – October 4 th , 1991	\$10.00		
Leighton, F.B. Mitigation of geotechnical litigation in California : Munson Book Associates, Huntington Beach, California, 274p.	\$20.00		
Sieh, K.E., and Matti, J.C., 1992, Earthquake geology, San Andreas fault system, Palm Springs to Palmdale : AEG, 35 th Annual Meeting, Field Trip Guidebook, October 3-4, 1992	\$10.00		
Stout, M.L., ed., 1992, Proceedings of the 35th annual meeting, Association of Engineering Geologists , October 2-9, 1992: 740p.	\$5.00		
Tepel, R, 1995, Professional Licensure for Geologists, an Exploration of Issues , Association of Engineering Geologists Special Publication No. 7, 1995	\$12.00		
Cann, L.R., Cobarrubias, Hollingsworth, B., 1992, Engineering Geology Field Trips Orange County, Santa Monica Mountains, and Malibu : AEG 35 th Annual Meeting, Field Trip Guidebook, October 2-9, 1992	\$10.00		
Los Angeles Metro Rail System Field Trip Guidebook , Association of Engineering Geologists, 35 th Annual Meeting October 2-9, 1992 Long Beach, California	\$10.00		

**DELIVERY CHARGES ARE \$3.50 FOR THE FIRST BOOK,
\$1.00 FOR EACH ADDITIONAL BOOK**

SUBTOTAL	
DELIVERY	
TOTAL ORDER	

Prices for Corporate Sponsorship
AEG SoCal Section as of January 1, 2005

Section Sponsors

Platinum	\$1,000
Gold	\$ 500
Silver	\$ 250

Platinum Sponsors Receive:

- Your company's ad in our Newsletter and on our Website for an entire year. You can modify your ad twice during this time frame.
- Your company's address and general information and a link to your company website from our website for an entire year.
- Your company is listed in the **Platinum Sponsor** portion of our Newsletter and Website.
 - A portion of your donation (\$250) is placed into our Student Outreach Fund.

Gold Sponsors Receive:

- Your company's ad in our Newsletter and on our Website for 6 months. You can modify your ad once during this time frame.
- Your company's address and general information and a link to your company website from our website for 6 months.
- Your company is listed in the **Gold Sponsor** portion of our Newsletter and Website.
- A portion of your donation (\$100) is placed into our Student Outreach Fund.

Silver Sponsors Receive:

- Your company's ad in our Newsletter and on our Website for 3 months.
- Your company's address and general information and a link to your company website from our website for 3 months.
- Your company is listed in the **Silver Sponsor** portion of our Newsletter and Website.
- A portion of your donation (\$50) is placed into our Student Outreach Fund.

National Business Donation

- **Platinum - \$1,000**
- **Gold - \$500**
- **Silver - \$250**

Company name, address and contact information are presented in AEG News and section receives 10% of donation. A national donation does not yield a line in our local section newsletter.

Company & Employment Advertising

	<u>Month</u>	<u>Year</u>
▪ Business Card	\$10	\$100
▪ ¼ Page	\$20	\$200
▪ ½ Page	\$35	\$350
▪ Full Page	\$50	\$500

* The deadline for submitting an advertisement for next month's newsletter is Friday, November 25.

YEAR 2006 CONTRIBUTORS NEEDED

Contributions from corporations and individual members are greatly appreciated. Contributors will be listed in our newsletter throughout the year and can post their logo or business card in the newsletter if so desired. Please mail contributions made out to **AEG** to our section treasurer, Rosalind Munro.

2006 MEMBERSHIP RENEWAL

For those of you who have not yet renewed **(the deadline is November 1)**, are unsure about your membership status, or did not receive your membership dues statement, please contact AEG Headquarters at www.aegweb.org. You can renew your membership online. Please update your membership if you wish to continue to receive future issues of the newsletter.

EMPLOYMENT OPPORTUNITIES & ADVERTISING



Petra Geotechnical is currently seeking experienced geotechnical engineers, geologists, environmental scientists and soils technicians in our Costa Mesa, Santa Clarita, Murrieta and San Diego offices. We offer competitive salaries and excellent benefits. Please contact Linda Becker, Human Resources Manager, at 714/549-8921 or submit your resume by email to lbecker@petra-inc.com



Eberhart / United Consultants, a southern California geotechnical consulting firm serving its clients for over 25 years, has the following career opportunities:

PROJECT GEOLOGIST: position requires BS with 3 years experience in public/civil works, commercial and residential projects. Duties include field mapping, subsurface exploration, office analysis, proposal and report preparation, and project management.

SENIOR ENGINEERING GEOLOGIST: position requires CEG registration and 8 years experience in public/civil works, commercial and residential projects. Duties include managing/performing geologic investigations, field mapping, subsurface exploration, office analysis, proposal and report preparation, and project management.

We offer a competitive compensation & benefits package for qualified candidates. For immediate consideration, mail, FAX, or email your resume & salary history to:

Eberhart / United Consultants
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"Pacific Soils Engineering, Inc., is seeking a project level engineering geologist with 3+ years of hillside grading experience. Tasks to include management of large mass grading projects in Los Angeles/Orange/Ventura Counties. Must demonstrate a thorough knowledge of current grading standards and geologic engineering principles, possess good verbal communication and writing skills, and be able to direct field technicians and grading personnel. Registration not required. Please fax resume to 714/220-9589, or email: info@pacificsoils.com, attention Manager of Geologic Services."



URS Corporation, a nationwide, multidisciplinary consulting firm and the largest design firm in the country, is seeking qualified candidates for the following positions for their San Diego operations:

Tunnel Inspector (Requisition # URS7001): Inspector with 5 to 10 years of experience in monitoring tunnel construction. Should be familiar with underground construction techniques and logging of ground conditions.

Geotechnical Engineer (Requisition #URS6802): Civil/Geotechnical Engineer with 0 to 5 years of experience in consulting engineering firm; preferably with master's degree. Responsible for planning field and laboratory programs, engineering analyses, and report preparation.

Engineering Geologist (Requisition #URS6997): Geologist/Engineering Geologist with 0 to 5 years of experience in consulting engineering firm; preferably with master's degree. Responsible for supervising field explorations, geologic mapping, and report preparation.

Please apply on-line at: <http://www.urscorp.com/careers/index.html> and submit resumes to christine_eary@urscorp.com or: Christine Eary, URS Corporation
1615 Murray Canyon Road, Suite 1000, San Diego, CA 92108



NMG Geotechnical Inc., an Irvine-based company, has an immediate opening for an entry-level Engineering Geologist. The successful candidate must have a B.S. or M.S. in Geology and strong academic training in sedimentology, stratigraphy, structural geology, geomorphology, and geologic field mapping. Necessary skills include effective communication, technical writing, working well with a team, and a strong work approach to data gathering, research, and analysis. Be prepared to work on interesting and challenging projects in the Southern California area. We offer a growth-oriented atmosphere with a competitive salary and benefits package. Interested candidates should fax or e-mail their resume to our office.

Fax: 949-476-8322

E-mail: wgoodman@nmggeotech.com



GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Geocon is a full-service, employee-owned firm providing geotechnical, environmental and geologic engineering services, as well as construction observation and materials testing services for a wide variety of public and private clients. To share in our continued growth and success we are seeking qualified professionals for the following fields:

SENIOR STAFF GEOTECHNICAL ENGINEER

Senior Staff Geotechnical Engineer with 2 to 4 years experience. BSCE required, MSCE preferred. Registration desirable. Experience in land development a plus.

PROJECT GEOTECHNICAL ENGINEER

Project Geotechnical Engineer with 3 to 5 years experience. BSCE required, MSCE preferred. Registration required. Experience in land development a plus.

ENGINEERING FIELD TECHNICIAN

Engineering Field Technician with 2+ years experience desired but not mandatory. Land development and/or hillside experience a plus.

STAFF ENGINEER/GEOLOGIST

Staff Engineer/Geologist with 2 to 4 years experience. BS required, MS preferred. California registration (PE/PG) desirable. Must have previous experience with Phase I and Phase II environmental site assessments, remediation experience a plus.

PROJECT ENGINEER/GEOLOGIST

Project Engineer/Geologist with 4 to 7 years experience. BS required, MS preferred. CA Registration (PE/PG) required, REA II a plus. Must have previous experience with Phase I and Phase II environmental site assessments, and corrective action.

Excellent oral and written communication skills required. Geocon offers excellent benefits, compensation package and growth opportunity. For more information please contact one of the following offices:

Bakersfield

Geocon Inland Empire, Inc.
3501 Pegasus Drive
Bakersfield, California 93308
(661) 399-3365 Tel
(661) 399-3812 Fax

Burbank

Geocon Inland Empire, Inc.
3303 N. San Fernando Blvd., Suite 100
Burbank, California 91504
(818) 841-8388 Tel
(818) 841-1704 Fax

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Murrieta, California 92562
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Environmental Geologist/Project Manager

GeoDesign Inc, headquartered in Portland, is seeking an Environmental Geologist for our Anaheim office. This position will involve scoping of projects and budgets, performing and managing/oversight of environmental field investigations, staff recruiting/development, and mentoring; business development; and managing and oversight of project work. Position includes full benefits with salary depending upon experience.

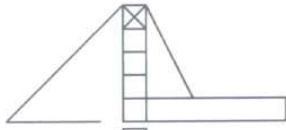
Position Requirements:

- Minimum 8 years relevant experience
- Bachelors degree in Geology or Geological/Earth Sciences
- CA Professional Geologist license
- Excellent writing and verbal communication
- Knowledge of local, state, and federal environmental regulations
- Understanding of restrictions imposed by budget, schedule, and contract stipulations

Duties/Responsibilities

- Prepare proposals and cost estimates
- Manage field portions of project tasks, including groundwater monitoring and sampling, Phase I and II site investigations, remedial investigations, and remedial action programs
- Familiarity with environmental drilling and sampling techniques
- Analysis and execution of various field operations, including groundwater monitoring, drilling, soil-gas sampling, well installation, and aquifer testing
- RWQCB and DTSC projects
- Brownfield investigations
- Interpretation of field data to produce cross-sections, contaminant plume contours, and potentiometric surface maps
- Prepare draft and final reports
- Attend client and regulatory meetings with senior staff and principals and conduct presentations
- Attend professional meetings as company representative and perform limited marketing functions
- Mentoring junior staff and technicians

Please send resumes for this position to: hrdept-ca@geodesigninc.com or fax (714) 634-3711. For additional information please see www.geodesigninc.com.



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