



**ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS**  
***Southern California Section***

*"Connecting Professionals, Practice, and the Public."*

***NEWSLETTER – July 2006***

Officers

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Secretary - Peter Thams, [pthams@wcenviro.com](mailto:pthams@wcenviro.com), (805) 644-7976

**Meeting Date:** **Thursday, July 13<sup>th</sup>**

**Location:** Steven's Steak House, 5332 Stevens Place, Commerce, California  
**Time:** 6:00 p.m.-Social Hour; 7:00 p.m.-Dinner; 7:45 p.m.-Presentation  
**Cost:** \$30 per person with reservations, \$35 at the door, \$15 for students with a valid Student ID

**Reservations:** Please call (323) 889-5366 or email [rmunro@mactec.com](mailto:rmunro@mactec.com)

**Speaker:** **Darrel W. Schmitz, Ph.D., P.G.**

**Topic:** **Katrina: Geologic, Disaster, and Personal Perspectives**

**Abstract:**

Katrina was "born" on August 24 as the twelfth storm of the 2005 Atlantic hurricane season. After raking southern Florida she became an extraordinary large category 5 (Safer-Simpson scale) storm covering about half of the Gulf of Mexico. Katrina made a second landfall, the first in the northern Gulf, as a category 4 at Burris, Louisiana. She then made an additional landfall near the Louisiana-Mississippi state line. The large size and prior strength, coupled with the geography of the shoreline, resulted in a record high storm surge. The storm surge affected coastal areas from Louisiana to Florida while spawning tornadoes in Georgia. Katrina's impacts were disastrous. In addition to the devastation by the storm surge, coastal landforms were altered. Some offshore islands are nearly gone, while new sediment has been deposited in other areas. Landform also appears to have limited the inland distance of the storm surge in some areas. Debris deposited by Katrina's storm surge was found inland to the first marine terrace in coastal Mississippi. Having witnessed the second and most destructive to date hurricane landfall

along the Mississippi coast, there are many direct and personal impacts – astounding, amazing, miraculous, and horrendous. Hurricane Camille in 1969 destroyed the Mississippi coast, but even worse destruction occurred from Katrina. Many structures which survived Camille were destroyed by Katrina, primarily due to Katrina's higher storm surge – about thirty feet in western Mississippi. The initial impact along the Mississippi coast was total destruction. Several towns no longer exist. The impact on New Orleans came later from flooding as a result of failed flood walls, that could not withstand the surge forces from Lake Pontchartrain. In northern Mississippi the direct impacts were trivial, compared to those at the coast, but there was damage and power outages over 250 miles from the coast. However, many at Mississippi State had personal impacts. One of our student's parents swam to safety from a top story window – in the storm surge. Another student lost his entire family in Gulfport. Most considered the legend of Camille as the ultimate possible hurricane in terms of its destruction along the Mississippi coast. Katrina has now replaced that legend.

**Speaker Bio:**

Darrel W. Schmitz received a B.S. in Geology from Mississippi State University, an M.S. in Engineering Science-Geology from the University of Mississippi and then went on to earn a Ph.D. in Geology at Texas A&M University. Darrel is currently the Head of the Department of Geosciences at MSU where he is also a full professor of Geology. Darrel Schmitz is a geologist with research interests in hydrogeology. His research interests range from the physical (groundwater movement and geologic controls on groundwater movement) and chemical (natural water composition and contaminant transport) aspects of hydrogeology to related environmental areas of hazardous and nonhazardous waste disposal (siting, seismic considerations, biodegradation, and the properties of earth materials). Recent studies have been conducted in Mississippi, other portions of the U.S. and internationally.

Darrel W. Schmitz is active in state, regional and national organizations including the Mississippi Academy of Sciences, where he has served as Geology and Geography Division Chairman; and the American Institute of Professional Geologists (AIPG), where he has held several Mississippi Section offices, including President, and Delegate to the national AIPG convention. He is also a member of the Association of Engineering Geologists (AEG), where he is President and where he has received four Presidential Awards; the Geological Society of America (GSA) for which he was Co-Chair of the 1996 Southeastern Section Meeting; and the National Ground Water Association's (NGWA) Association of Groundwater Scientists and Engineers for whom he judged and presented the NGWA's awards at the Forty-Fourth and Forty-Fifth International Science and Engineering Fairs. As a member of the Mississippi Geological Society Dr. Schmitz served as an editor for Volume Forty-two of the Transactions of the Gulf Coast Association of Geological Societies. He was appointed to the first Mississippi Board of Registered Professional Geologists where he served as Board President. He serves on several committees and is a Past-President of the National Association of State Boards of Geology (ASBOG).

<b>Chair Column</b>
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Charles Nestle

## **Mid-Year Board Meeting**

The mid-year AEG Board meeting was held at the J.W. Marriot hotel in New Orleans (one block from “The Quarter”) June 2-4. The 2008 National Meeting will be held at this hotel, so we were able to preview the facilities. The Board consists of each AEG Section Chair (or their representative), and meets biannually to conduct the business of the Association along with the Executive Council, AEG staff, and various committee members. Brian Villalobos and I attended on behalf of the Section. The meeting began with a Board Orientation Friday afternoon and ended Sunday about 6:00 PM. During the meeting (and between “Hurricanes” and “Cat 4 Hurricanes” at Pat O’Brien’s and “Katrina Rita’s” elsewhere), we managed to squeeze in a field trip tour of the devastation hurricane Katrina wrought. AEG President Darrel Schmitz is our featured speaker this month, and will be talking about the impacts Katrina had on the region.

The meeting agenda is divided into two main sections consisting of “Consent Items” and “Action/Discussion” Items. Consent items include reports from each member of the Executive Council and AEG Staff, and generally include items of information on AEG activities. Action/Discussion Items include tasks and activities that require Board approval prior to the Executive Council’s acting on them. I’ll summarize a few of the topics that I hope will be of interest to you.

### Association Finance

The discussion becomes quite heated and contentious at times, particularly when financial issues are considered; and it seems as if most of the Action Items are financial in nature. The Board is surprisingly fiscally conservative: exhibiting a level of responsibility that certainly benefits the association and the membership. Several years ago the Board voted to require that 100% of the Treasurers Reserve Fund be held in CDs. Many consider this to be too conservative, and limits AEG’s ability to increase the investment return. The Executive Council, with Finance Committee review, would like to obtain a recommendation from money manager(s) as to how best to invest the Treasurer’s Reserve Fund. But they can’t approach a manager if they don’t know how much they’re able to work with. Many Board members felt any investment without a guaranteed return might be too risky. Following much heated debate, the Board agreed (with two opposed) to reduce the minimum amount of the Treasurers reserve to be held in CDs to 50%. However, prior to making any investment decisions the Executive Council must report to the Board the recommendations of the fund managers, and the Board must approve any investment plans, or none at all. Along these lines the Board approved a goal for the Treasurers Reserve Fund to reach \$350,000 by 2012.

All this fiscal conservatism made Brian and I a little nervous because Brian had the task of convincing the Board to approve a \$35,000 allocation of additional funds to the 2007 Annual Meeting Committee for special purposes designed to make AEG's 50<sup>th</sup> Anniversary Meeting a very special one. These include ensuring that the charter (founding) members of AEG are able to attend (covering their expenses), as well as all past presidents. Special events and participant "give-aways" are also included. The Board really got that this would be an AEG 50<sup>th</sup> Anniversary National Meeting, not just an annual meeting in LA, embraced the ideas of the planning committee, and agreed to allocate the additional funds. The 2007 50<sup>th</sup> Anniversary Meeting will indeed be a special one.

The Association is currently in excellent financial health. Increasing surplus funds realized during FY05-06 allowed AEG to, among other things, transfer funds to the AEG Foundation, and to set aside \$22,000 towards the 2007 annual meeting (this is separate from the \$35,000 discussed above).

Additional expenditures approved by the Board include: complimentary life membership to AEG's founding members and past presidents. These folks donate(d) an enormous amount of time to the association, and are deserving of this honor. It should be noted that several past presidents have commented that they would graciously decline the invitation, as they are still working and can easily afford membership. However, once retired, this may be a nice benefit.

AEG has had difficulty converting student members into full members. Part of this may be due to students not paying attention during their transition from academia to the business world, or to simply not being able to afford membership upon graduating (no job = no spare cash), or any of a number of reasons. In order to counter this loss a proposal was made (and approved by the Board) to offer graduating students a one-time offer of a one-year complimentary membership. The Board hopes that this will help entice geologists to maintain their memberships in AEG.

#### Section/Chapter Support Committee

The SCSC had intended on presenting recommendations for bylaws changes regarding the structure, function, and financing of Chapters, but discovered that the topic was far too challenging to complete by the mid-year Board meeting. The interim conclusion is that meeting the needs of the Chapters without disrupting the essential functions of some of the Sections proved daunting. Each Section with Chapters handles dues sharing in a different fashion depending on needs and activities. It appears that a complete rewrite of that section of the bylaws may be necessary to cover relations between Sections and Chapters without limiting either's ability to function.

#### ASBOG

Bob Tepel, AEG appointee to the ASBOG Council of Examiners, provided a report summarizing major activities of the Association of State Boards of Geology. Pass rates of the ASBOG Fundamentals of Geology and Principals and Practice exams have always been presented as a total pass rate of all examinees. That is now being changed to report the pass rate of first time test takers as a separate category. More importantly, many of you have probably heard (or experienced first hand) that the exam has been increasingly weighted

towards the fields of hydrogeology and environmental geochemistry. This was because the ASBOG exams' weighting was based on the Task Analysis determination of the amount of time practicing geologists spent on specific tasks. This led to a Principals and Practice exam that, by 2005, contained 41% hydrogeology and geochemistry questions (Fundamentals of Geology "only" 36%). These exams did not adequately represent all fields of geology that applicants should have a basic knowledge of. Geologists should have at least a basic knowledge of all fields of geology, and the ASBOG exam has not recognized this until now. Beginning with the October 2006 exam, the FG will contain approximately 14% hydrogeology and geochemistry questions, and the P&P 22%. This basic misunderstanding of what the licensing exam has been testing seems intuitively obvious to me, and I have been complaining about it at BGG meetings for over 1½ years. Why ASBOG has taken so long to realize this, I have no idea, but this is a very positive and encouraging direction they've taken. Let's hope it continues.

### Online Publications

AEG is continuing to scan back issues of Environmental and Engineering Geoscience (and eventually AEG Bulletin) for access on the Geoscience World web site. There has been talk of making the journal available on AEG's web site, but AEG receives a small royalty from GSW, so the journal will probably remain there. Online access to AEG publications has been a goal for quite a while, and an anonymous donor has provided \$45,000, beginning three years ago, to make this happen. Various technical and logistical problems have delayed implementation, but it is finally starting to happen.

Now on to other news.

### **Board for Geologists and Geophysicists**

After many years of holding meetings only in Sacramento, the Board for Geologists and Geophysicists' next Technical Advisory Committee (TAC) and regular Board meetings will be held in Los Angeles at the Hilton LAX. The TAC meeting is scheduled first on July 28, and the regular Board meeting follows two weeks later on August 11. Meeting agendas will be posted on the Board's web site, <http://www.geology.ca.gov/> (click "Meetings" on the left side of the page), at least ten days prior to the meeting. Skip work those days and come see your Board and the TAC in action.

### **Inaugural Golf Tournament**

Please see the notice in this newsletter for the Southern California Section's golf tournament to support the Martin L. Stout Scholarship Fund. AEG is committed to attaining a principal balance of at least \$50,000 by the October 2007 National Meeting, and our Section should really be at the forefront of this effort. So if you're a golfer, come on out and play (or even if you're not – I'm not, but I'll be playing anyway).

## **BOARD FOR GEOLOGISTS AND GEOPHYSICISTS**

### **INITIAL STATEMENT OF REASONS**

Hearing Date: August 11, 2006

Subject Matter of Proposed Regulations: Code of Professional Conduct

(1) Section(s) Affected: Title 16, California Code of Regulations, Division 29, Section 3065.

#### Specific Purpose of each adoption, amendment, or repeal:

The Architects Board and the Board for Professional Engineers and Land Surveyors have updated their professional standards regulations. The Board for Geologists and Geophysicists has not updated the professional standards since they were originally adopted on September 27, 1999. The proposed amendments would update the professional standards to reflect changes in market conditions and make existing regulation more consistent with our other Department of Consumer Affairs licensing Boards.

The Board will accomplish this by amending Title 16, California Code of Regulations, Division 29, Section 3065 to incorporate language that has been promulgated into other Boards' regulations.

#### Factual Basis/Rationale

Factual basis for determination that each proposed change is necessary:

The Board and the licensing community determined that the existing professional standards require updating in order to better protect the interests of the public by further clarifying requirements under the professional standards as to competence, misrepresentation, conflict of interest, confidential information, required notifications, and adding requirements for compliance with applicable laws and document submittal.

#### Underlying Data

Technical, theoretical or empirical studies or reports relied upon (if any):

None

Business Impact

This regulation will not have a significant adverse economic impact on businesses. This initial determination is based on the following facts or evidence/documents/testimony:

The regulation addresses the conduct of licensees.

Specific Technologies or Equipment

This regulation does not mandate the use of specific technologies or equipment.

Consideration of Alternatives

No reasonable alternative to the regulation would be either more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposed regulation.



## BOARD OF GEOLOGISTS AND GEOPHYSICISTS

### Specific Language

**Amend section 3065 of Title 16 of the California Code of Regulations to read as follows:**

3065. Professional Standards Code of Professional Conduct – Professional Geology and Geophysics.

To protect and safeguard the health, safety and welfare of the public, every person who holds a registration issued by the board is licensed by the board as professional geologists or geophysicists and any specialty certifications thereof, including licensees employed in any manner by a governmental entity or in private practice, shall comply with all applicable laws, codes, and regulations and shall comply with professional standards in this section this Code of Professional Conduct. A violation of any of the following professional standards in the practice of geology or geophysics constitutes a ground for disciplinary action: A violation of this Code of Professional Conduct in the practice of professional geology or geophysics constitutes unprofessional conduct and is grounds for disciplinary action pursuant to Section 7860 of the Code. This Code of Professional Conduct shall be used for the sole purpose of investigating complaints and making findings thereon under Section 7860 of the Code.

(a) Compliance with Applicable Laws:

A licensee shall provide professional geologic and geophysical services for a project in a manner that is consistent with applicable laws, codes, ordinances, rules, and regulations. A licensee may obtain and rely upon the advice of other professionals (e.g. professional engineers, professional land surveyors, attorneys, and other qualified person(s) as to the intent and meaning of such laws, codes, and regulations.

(a b) Competence:

(1) A geologist or geophysicist shall undertake to perform professional services only when he or she, together with those whom the ~~registrant~~ licensee may engage as consultants, are qualified by education, training, ~~and experience,~~ and licensure as required by law, in the specific technical and scientific areas involved.

(2) When practicing geology or geophysics, a ~~registrant~~ licensee shall act with competence and reasonable care and shall apply the technical knowledge and skill which is ordinarily applied by ~~registrants~~ licensees of good standing, practicing in this state under similar circumstances and conditions.

(b) Misrepresentation: (c) Representations:



(1) A ~~registrant~~ licensee shall not misrepresent nor permit the misrepresentation of his or her professional qualifications, affiliations, or purposes or those of the institutions, organizations or other businesses with which he or she is associated.

(2) A ~~registrant~~ licensee may advertise or solicit for any services for which he or she is authorized by ~~registration~~ licensure provided such services are within his or her field of competence.

(3) ~~A registrant shall accurately represent to a prospective or existing client or employer his or her qualifications and the scope of his or her responsibility in connection with projects or services for which he or she is receiving or will receive compensation. A licensee shall not misrepresent his or her qualifications to a prospective or existing client or employer.~~

(4) A licensee shall not misrepresent to a prospective or existing client the licensee's scope of responsibility in connection with projects or services for which the licensee is receiving or will receive compensation from that client.

~~(4 5) A registrant licensee shall only express professional opinions that have a basis in fact or experience or accepted geological or geophysical principles.~~

~~(5 6) A registrant licensee shall not plagiarize the attribute proper credit to others for their professional work of others and shall attribute proper credit to others for their work or professional contribution and shall not misappropriate the professional work of others.~~

~~(6 7) A registrant licensee shall not knowingly permit the publication or use of his or her data, reports, or maps, plans, or other professional documents for unlawful purposes.~~

~~(7 8) A registrant licensee shall not falsely or maliciously attempt to injure or in fact injure the reputation or business of others.~~

~~(8 9) A registrant licensee shall not misrepresent data and/or its relative significance in any geologic or geophysical report.~~

(10) A licensee shall not misrepresent or conceal his or her scope of responsibility in connection with projects or services for which the licensee is claiming credit or receiving compensation.

(11) When providing information in connection with a person's application for a license to practice professional geology or geophysics, a licensee shall accurately represent his or her knowledge of the applicant's qualifications.

(e d) Conflict of Interest:

(1) A registrant licensee shall not concurrently engage in any other business or occupation ~~which that~~ impairs the registrant's licensee's independence, objectivity, or creates a conflict of interest in rendering professional services.

(2) A registrant licensee shall not accept compensation for services from more than one party on a project unless the circumstances are fully disclosed and agreed to by all such parties. Such disclosure and agreement shall be in writing.

(3) If a registrant licensee has any business association or financial interest ~~which is substantial enough to may~~ influence his or her judgment in connection with the performance of professional services, the registrant licensee shall fully disclose in writing to his or her client(s) or employer(s) the nature of the business association or financial interest. If the client(s) or employer(s) object(s) to such association or financial interest, the registrant licensee shall either terminate such association or interest or offer to give up the project or employment.

(4) A registrant licensee shall not solicit or accept payments, rebates, refunds or commissions whether in the form of money or otherwise from contractors material or equipment suppliers of material, systems, or equipment in return for specifying their products or services to a client or employer of the registrant licensee.

(d ~~e~~) Confidential Information:

As used in this section, "confidential information" means information ~~obtained in confidence by a registrant from his or her employer, prospective client, client or former client by reason of or in the course of his or her employment or other professional capacity identified as confidential by the licensee's client, employer, or other related party. No~~ Confidential information obtained by a registrant licensee, in his or her professional capacity, concerning an ~~employer or a client, employer, or other related party~~ shall not be disclosed by the registrant licensee without the permission of the ~~employer or client, employer, or other related party~~ except for the following:

(1) disclosures made in response to an order of the court or to a subpoena or summons enforceable by an order of a court;

(2) disclosures made in response to an official inquiry from a government regulatory agency;

(3) disclosures made by a registrant licensee to another registrant licensee to the extent necessary for purposes of professional consultation;

(4) disclosures made when required by law.

(5) disclosures made upon discovering an imminent geologic a hazard within the licensee's field of professional expertise which may threaten the health, safety and welfare of the public.

(6) disclosures made when providing evidence to the board regarding other licensees or unlicensed individuals who may have violated the Geologist and Geophysicist Act.

(7) disclosures made regarding illegal conduct.

(8) disclosures made in an adjudicatory proceeding.

(f) Document Submittal:

(1) A licensee shall not misrepresent the completeness of the professional documents he or she submits to a government agency.

(2) A licensee shall not misrepresent the completeness of the professional documents he or she prepared to his or her client or employer or to other involved parties.

Note: Authority cited: Sections 7818 and 7860(c)(3), Business and Professions Code.  
Reference: Section 7860(c)(3), Business and Professions Code.



**TITLE 16, Division 29, Board for Geologists and Geophysicists**

NOTICE IS HEREBY GIVEN that the Board for Geologists and Geophysicists is proposing to take the action described in the Informative Digest. Any person interested may present statements or arguments orally or in writing relevant to the action proposed at a hearing to be held at Hilton Los Angeles Airport, 5711 West Century Blvd. Los Angeles, California, at 10:00 a.m., on August 11, 2006. Written comments, including those sent by mail, facsimile, or e-mail to the addresses listed under Contact Person in this Notice, must be received by the Board for Geologists and Geophysicists at its office not later than 5:00 p.m. on August 10, 2006 or must be received by the Board for Geologists and Geophysicists at the hearing. The Board for Geologists and Geophysicists, upon its own motion or at the instance of any interested party, may thereafter adopt the proposals substantially as described below or may modify such proposals if such modifications are sufficiently related to the original text. With the exception of technical or grammatical changes, the full text of any modified proposal will be available for 15 days prior to its adoption from the person designated in this Notice as contact person and will be mailed to those persons who submit written or oral testimony related to this proposal or who have requested notification of any changes to the proposal.

Authority and Reference: Pursuant to the authority vested by Section 7818 and 7860 of the Business and Professions Code, and to implement, interpret or make specific Section 7860 of said Code, the Board for Geologists and Geophysicists is considering changes to Division 29 of Title 16 of the California Code of Regulations as follows:

**INFORMATIVE DIGEST/POLICY STATEMENT OVERVIEW**

The Board proposes to amend Section 3065, Title 16, Division 29 of the California Code of Regulations, "Professional Standards."

Business and Professions Code section 7860 specifies that the board may publicly reprove, suspend for a period not to exceed two years, or revoke the certificate of any professional geologist or professional geophysicist or publicly reprove or revoke the temporary authorization granted to any person pursuant to section 7848 or 7848.1 of the Business and Professions Code on the grounds that in the course of his or her practice as a geologist or geophysicist violates professional standards adopted by the board.

Current regulations set professional standards with regard to competency, misrepresentation, conflict of interest, use of confidential information, and required notifications.

This proposal would specify the circumstances under which a violation of professional conduct in the practice of professional geology or geophysics is grounds for disciplinary action. In addition, this proposal would include sections outlining requirements for compliance with applicable laws and document submittal.

FISCAL IMPACT ESTIMATES

Fiscal Impact on Public Agencies Including Costs or Savings to State Agencies or Costs/Savings in Federal Funding to the State: None.

Nondiscretionary Costs/Savings to Local Agencies: None.

Local Mandate: None.

Cost to Any Local Agency or School District for Which Government Code Section 17561 Requires Reimbursement: None.

Business Impact:

☒ The board has made an initial determination that the proposed regulatory action would have no significant statewide adverse economic impact directly affecting business, including the ability of California businesses to compete with businesses in other states.

Impact on Jobs/New Businesses:

The Board for Geologists and Geophysicists has determined that this regulatory proposal will not have

\_\_\_\_\_ a significant

☒ any

impact on the creation of jobs or new businesses or the elimination of jobs or existing businesses or the expansion of businesses in the State of California.

Cost Impact on Representative Private Person or Business:

The Board for Geologists and Geophysicists is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action.

Effect on Housing Costs: None

EFFECT ON SMALL BUSINESS

The Board for Geologists and Geophysicists has determined that the proposed regulations would not affect small businesses as only the individuals in violation of the Code of Professional Conduct would be subject to disciplinary action.



### CONSIDERATION OF ALTERNATIVES

The Board for Geologists and Geophysicists must determine that no reasonable alternative it considered to the regulation or that has otherwise been identified and brought to its attention would either be more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposal described in this Notice.

Any interested person may present statements or arguments orally or in writing relevant to the above determinations at the above-mentioned hearing.

### INITIAL STATEMENT OF REASONS AND INFORMATION

The Board for Geologists and Geophysicists has prepared an initial statement of reasons for the proposed action and has available all the information upon which the proposal is based.

### TEXT OF PROPOSAL

Copies of the exact language of the proposed regulations and of the initial statement of reasons, and all of the information upon which the proposal is based, may be obtained at the hearing or prior to the hearing upon request from the Board for Geologists and Geophysicists at 2535 Capitol Oaks Drive, Suite 300A, Sacramento, California 95833-2926.

### AVAILABILITY AND LOCATION OF THE FINAL STATEMENT OF REASONS AND RULEMAKING FILE

All the information upon which the proposed regulations are based is contained in the rulemaking file which is available for public inspection by contacting the person named below.

You may obtain a copy of the final statement of reasons once it has been prepared, by making a written request to the contact person named below or by accessing the website listed below.

### CONTACT PERSON

Inquiries or comments concerning the proposed rulemaking action may be addressed to:

Name:	Paul Sweeney, Executive Officer
Address:	2535 Capitol Oaks Drive, Suite 300A Sacramento, CA 95833-2926
Telephone No.:	(916) 263-2113
Fax No.:	(916) 263-2099
E-Mail Address:	geology@dca.ca.gov

The backup contact person is:

Name:	Christine Doering
Address:	2535 Capitol Oaks Drive, Suite 300A Sacramento, CA 95833-2926
Telephone No.:	(916) 263-2113
Fax No.:	(916) 263-2099
E-Mail Address:	geology@dca.ca.gov

Website Access: Materials regarding this proposal can be found at  
[www.geology.ca.gov](http://www.geology.ca.gov).

**The AEG - Southern California Section Cordially Invites You To**

# The Inagural at Industry Hills



**A GOLF TOURNAMENT TO BENEFIT**

**The Martin L. Stout Fund of the AEG Foundation**



**Friday, August 4th, 2006**

(Shotgun Start Time: 1:30 p.m.)

(Check in Time: 12:45 p.m.)

at

**Industry Hills Golf Club  
"Babe" Zaharias**

One Industry Hills Parkway  
City of Industry, CA 91744  
[www.ihgolfclub.com](http://www.ihgolfclub.com)

## Entry Fee

\$175.00 per person  
Includes green fee, cart, range balls,  
dinner (6:00 p.m.) and  
awards.

\$50.00 per person for dinner only

## Prizes/Awards

Closest to the Pin - Male & Female  
Longest Drive - Male & Female  
Low Gross (Scramble) Teams  
1st, 2nd & 3rd Place

## TEE SPONSORS

**A Great Recognition Opportunity  
for more information on Sponsorships**

Contact Roz Munro  
323-889-5366  
[rmunro@mactec.com](mailto:rmunro@mactec.com)  
or

Visit [www.aeg.golfreg.com](http://www.aeg.golfreg.com)

## PLAYERS

**Three ways to sign up today!**

1. Online at [www.aeg.golfreg.com](http://www.aeg.golfreg.com)
2. Detach and mail in the Entry Form
3. Contact Peter Thams at 805.644.7976 ext 420

**DEADLINE TO REGISTER: JULY 21, 2006**

## Registration Form

(detach and submit with your payment)

Mail to: Peter Thams c/o West Coast Environmental, 1838 Eastman Avenue, Ventura, CA 91360

Enclosed is my payment for: ☐ \_\_\_ player(s) at \$175 each \$ \_\_\_ Total Amount

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

Firm: \_\_\_\_\_

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

Telephone Number: \_\_\_\_\_ E-mail: \_\_\_\_\_

## Tsunami Workshop

The National Weather Service in San Diego is sponsoring a **Tsunami Workshop**, Saturday, July 29, 2006. Speakers will include: Dr. Mark Legg of Legg Geophysical and representatives from: State Office of Emergency Services, San Diego County Office of Emergency Services, National Weather Service. Topics include discussion of the threat of tsunamis in southern California and tsunami preparedness and response activities. Please see flier below.



**SAVE THE DATE!**



The National Weather Service in San Diego is sponsoring a

## Tsunami Workshop

Open to the Public

Date: Saturday, July 29, 2006

Time: 9:30 a.m. to 12:30 p.m.

Location: Town and Country Convention Center  
Mission Valley, San Diego

Speakers will include: Dr. Mark Legg of Legg Geophysical and representatives from: State Office of Emergency Services, San Diego County Office of Emergency Services, National Weather Service

Topics include discussion of the threat of Tsunamis in southern California and Tsunami preparedness and response activities.

Space is limited so RSVP early to [Edwin.Clark@noaa.gov](mailto:Edwin.Clark@noaa.gov)

The workshop is free but there is a \$5.00 per vehicle fee for validated parking.



## Chapter Meetings

### **Inland Empire:**

July Meeting: Wednesday, July 19<sup>th</sup>

Time: Social Hour – 6, Dinner – 7, Meeting – 7:45

Location: Claim Jumper, Corona

Speaker: Dr. Jerry D. Higgins, Associate Professor of Engineering Geology, Colorado School of Mines

Presentation Topic: “Richard H. Jahns AEG/GSA Distinguished Lecturer in Engineering Geology; Rockfall Analysis and Mitigation”

Please visit the Inland Empire web page at <http://www.aegsc.org/chapters/inlandempire/> for additional meeting information and directions.

### **Central Coast:**

Monthly meetings will take place on the last Wednesday of every month at Rusty's Pizza in Goleta. Social hour begins at 6 pm, the meeting begins at 7pm.

For more information or to be added to the CA Central Coast Chapter email list, please contact Robert Urban via email at [robert\\_urban@urscorp.com](mailto:robert_urban@urscorp.com).

### **San Diego:**

July Meeting:

Time: Social Hour – 5:30PM; Talk – 6:30PM

Location: Office of Ninyo & Moore, 5710 Ruffin Road, San Diego

Speaker: Dr. Jerry Higgins, Colorado School of Mines

Presentation Topic: “Rockfall Hazards”, AEG Jahns Lecturer for 2006

For the latest information visit <http://www.aegsc.org/chapters/extremesocal/>



### **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 Newsletter (includes SoCal website posting)**

	<u>Month</u>	<u>Year</u>
▪ Business Card	\$10	\$100
▪ ¼ Page	\$20	\$200
▪ ⅓ Page	\$30	\$300
▪ ½ Page	\$35	\$350
▪ Full Page	\$50	\$500

#### **SoCal website posting only**

\$20/month

\* The deadline for submitting an advertisement for next month's newsletter is Friday, July 28th.

### **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 was November 1)**, are unsure about your membership status, or did not receive your membership dues statement, please contact AEG Headquarters at [www.aegweb.org](http://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](mailto:lbecker@petra-inc.com)

### *EUC*

**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*  
1031 Segovia Circle  
Placentia, CA 92870  
FAX (714) 632-0955  
[dre@euc-inc.com](mailto:dre@euc-inc.com)



### **PACIFIC SOILS ENGINEERING, INC.**

Pacific Soils Engineering, Inc. is seeking all levels of engineering geologists for large land development projects in Los Angeles/Orange/San Diego/San Bernardino/Riverside/Ventura Counties. Knowledge of current grading standards and geologic engineering principles, good verbal communication and writing skills, and leadership skills are helpful. Registration not required. Salary and compensation package commensurate with experience and skills. Please fax resume to (714) 220-9589, or email: [info@pacificsoils.com](mailto:info@pacificsoils.com), Attention: Manager of Geotechnical Services.



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AND GEOLOGISTS**

Fugro has immediate openings in our California offices: Ventura, Oakland, Tustin, Sacramento, San Luis Obispo, Santa Barbara, San Diego and Santa Clarita. We offer competitive salaries and benefits. For more details, please visit us at:

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**Lawson & Associates**  
**Geotechnical Consulting, Inc.**

Lawson & Associates Geotechnical Consulting, Inc.

2045 Royal Avenue, Ste. 125  
 Simi Valley, CA 93065  
 Tele: (805) 579-3434 Fax: (805) 579-3435  
 Email: [kesmond@lqcgeo.com](mailto:kesmond@lqcgeo.com)

Website: [www.lqcgeo.com](http://www.lqcgeo.com)

LGC is looking for dynamic individuals to join our team and work on some of Orange, Los Angeles, Ventura, San Bernardino, Santa Barbara and Kern Counties' most interesting and technically challenging projects. If you are an experienced geotechnical professional, or just starting your career, please do not hesitate to contact us. All inquiries will be considered in the utmost confidence. We look forward to hearing from you.



TerraPacific Consultants, Inc. is a San Diego based geotechnical consulting firm working on projects throughout the southwest. We concentrate on forensic engineering, evaluations for new commercial/industrial/custom residential construction, as well as, oversight during foundation repairs. We are seeking motivated engineers and geologists who are interested in finding solutions to challenging geotechnical problems.

Field work and out of town travel will be required on a regular basis throughout California, Nevada, New Mexico, Arizona, and Hawaii. All positions demand an organized self-starter with "hands-on" management ability.

We are looking for an honest, hard working, technically minded professional to perform subsurface investigations, collect field data, perform geotechnical analysis, and write reports. Construction inspections will also be required. Qualified candidates should possess good communication skills. Field work and out of town travel will be required on regular basis. Position demands a motivated, organized, self-starter with the ability to get things done in a timely manner.

We offer the ability to learn and grow your career by working with seasoned professionals. Please visit our web site at [www.terrapac.net](http://www.terrapac.net).

### **Senior Geotechnical Engineer**

Position responsibilities include project management, collecting field data, analysis, report writing, and client communication. Oversight of construction inspections will also be required. Qualified candidates must be a licensed G.E., have a minimum of 8 years experience and good communication skills. At least 2 years experience in geotechnical forensic investigations is preferred. Experience in testifying is a plus.

### **Project Geotechnical Engineer/Geologist**

Position responsibilities include project management, collecting field data, analysis, report writing, and client communication. Oversight of construction inspections will also be required. Qualified candidates must be a licensed PE (GE is a plus), PG or CEG, have a minimum of 5 years experience and good communication skills. At least 2 years experience in geotechnical forensic investigations is preferred.

### **Staff Geologist/Engineer**

We are looking for an honest, hard working, technically minded graduate to perform subsurface investigations, collect field data, perform geotechnical analysis, and write reports. Construction inspections will also be required. Qualified candidates should possess good communication skills. Some experience in geotechnical investigations is preferred but recent graduates will be considered. Field work and out of town travel will be required on regular basis. Position demands a motivated, organized, self-starter with the ability to get things done in a timely manner.

The right, qualified, independent and hard-working individual will be offered an excellent salary (commensurate with their experience), profit sharing/401K plan; company sponsored insurance program, and bonuses. If you are interested in pursuing quality in your life and your career please submit a resume and cover letter to: TerraPacific Consultants, Inc., 12245 World Trade Drive, Suite G, San Diego, CA 92128; or by fax to 858-521-1199; or by e-mail to [jimg@terrapac.net](mailto:jimg@terrapac.net).





## 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

#### Murrieta

Geocon Inland Empire, Inc.  
41571 Coming Place, Suite 101  
Murrieta, California 92562  
(951) 304-2300 Tel  
(951) 304-2392 Fax

#### San Diego

Geocon Incorporated  
6960 Flanders Drive  
San Diego, California 92121  
(658) 558-6900 Tel  
(658) 558-6159 Fax

Additional offices in Las Vegas, Reno, Portland, Livermore and Sacramento.  
Please see our website for more information:  
[WWW.GEOCONINC.COM](http://WWW.GEOCONINC.COM)

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Equipment includes: Vermeer R300 mud cleaning /recycler system, drill pipe is 6 5/8" or 4 1/2", drill collars, forklift, lift pump, support trailers, auxiliary pump, 1000 gallon fuel cell, and misc hand tools.



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Telephone: 909-425-9998 Fax: 909-421-9070 Email: [bestdril@aol.com](mailto:bestdril@aol.com)

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**Applied Earth Sciences** is a leading geotechnical, environmental and geologic engineering firm in southern California, with a perennially large volume of projects. We are seeking qualified professionals to join our dynamic team of engineers and scientists for our Los Angeles and Fresno offices.

**CERTIFIED ENGINEERING GEOLOGIST:** Position requires CEG registration and 7-10 years professional experience in residential, commercial, and public works projects. Strong candidate will have demonstrable track record in hillside geology, slope failures/landslides, private disposal system design, environmental, and fault studies. Excellent report writing skills necessary. Supervision of project geologists.

**PROJECT GEOLOGIST:** BS & 2-5 years experience in commercial/industrial, public/civil works, and residential projects required. Tasks include research, field exploration, analysis & calculations, proposals and client interface, generating reports. Multifaceted work alongside principals. Work towards RG & CEG certification recommended.

**GEOTECHNICAL ENGINEER:** Position requires Civil Registration and work towards GE Reg. Candidate will have BS/MS and 5-7 years experience in foundation design, slope stability, shoring design, calculations, report writing, and project management.

**ENVIRONMENTAL ENGINEER:** Candidate will have BS and 3-5 years experience in site assessments, contamination investigation, and remediation consulting. Strong candidate will have exceptional teamwork and project management skills and report writing ability. CAD ability recommended.

AES offers excellent pay, benefits, and bonuses commensurate with experience and opportunity for growth. Apply by emailing resume to [shant@aessoil.com](mailto:shant@aessoil.com) or fax to 818-337-7215.

### **COUNTY OF SANTA BARBARA**

The Santa Barbara County Planning and Development Department is currently seeking a full-time engineering geologist to supervise and perform engineering geology work and to review plans for conformance with county ordinances dealing with soil and earth stability.

Registration as a professional engineering geologist in the State of California and a valid California Class C driver's license are required.

The salary range is \$69,139-\$84,406 approximately per year. The County also offers a generous benefits package that includes a \$4946/year benefit allowance.

With a mild climate and spectacular setting that includes scenic coastline, beautiful valleys, and rugged mountain peaks, Santa Barbara County is one of the most desirable places in the world to live and work.

**To learn more about the position and to apply on line, visit**  
[www.sbcountyjobs.com](http://www.sbcountyjobs.com), or call (805) 568-2800. This position is open until filled.

AEG Southern California Section  
J. Relyea  
Earth Resources, Inc.  
18302 Sierra Highway, #102  
Santa Clarita, CA 91351