



ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS
Southern California Chapter
"Connecting Professionals, Practice, and the Public."

NEWSLETTER – 1st Quarter 2016

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Chair – Shant Minas, shant@aessoil.com, 818-245-0406
Vice Chair – Darrin Hasham, DHasham@kleinfelder.com
Treasurer – Edmond Lee, Edmond.lee@lacity.org
Secretary – Pedram Rahimikian, pedram@geoconceptsinc.com
Membership Chair- Dave Perry david.perry@amecfw.com

Visit the Southern California Chapter Website: www.aegsc.org

Newsletter Editor – Pedram Rahimikian, pedram@geoconceptsinc.com

Greeting AEG SoCal members! This month at Victorio's we are happy to have one of our very own, Jeffrey Keaton, who will be discussing updates from the GEER Response Team to the 2014 Oso Landslide. Stay tuned for an engaging discussion and presentation from Jeff!

Please browse through our 1st Qtr. 2016 Newsletter, as there are important updates regarding a BPELS workshop later this month, a Remediation Workshop also later this month, and the latest updates regarding our proposed June 2016 Field Trip along the Santa Monica- Malibu Fault Zone.

Chair's Column

By Shant Minas

February 10, 2016

Greetings, AEG members!

We have several items of import to report to you. First and foremost, we have scheduled prominent and great speakers for the next three months, including this month. Jeff Keaton will be speaking this month at Victorio's regarding updates to the GEER Response to the Oso Landslide. See the next section on a summary of his talk.

Next month on March 22 we will be hosting Ms. Laurie Racca of the BPELSG who will be discussing proposed changes to the requirements for qualifications for licensure as a geologist in California. This meeting will be held in Westlake Village at our Cisco's location.

And on April 26, we are pleased to announce we will host this year's Jahn's Lecturer, Prof. Jerry DeGraff of Fresno State University, who will present his signature talk, "Fire, Earth, and Rain: Emergency Response for Wildfire-Induced Landslide Hazards". This meeting will be held at Victorio's in North Hollywood.

In May we plan to co-host a meeting with the South Coast Geological Society, and this meeting will most likely take place at the Doubletree Hotel in Santa Ana. And later this year we will co-host a meeting with our colleagues at ASCE Geotechnical Group, most likely at Steven's Steakhouse in Commerce. Stay tuned for details on these future meetings.

Meeting Locations.

Incidentally, we among the Board have had some discussions regarding our meeting locations. There have been some issues at Cisco's in Westlake Village regarding minimum attendee requirements (30 ppl min.), and also significant noise from other gatherings in adjacent rooms. We hope to continue having meetings at Cisco's and as such we have scheduled our March 2016 meeting there. We ask our constituents to get on their phones and get their colleagues to come out to the meetings, especially those of us close the respective meeting

locations! Meetings are great to take a break from the usual routine and connect with friends and colleagues in our profession.

Victorio's in North Hollywood happens to be our most popular meeting destination, since it is fairly centrally located in the East Valley for many of our constituents. Incidentally, it also happens to be close to Burbank airport which is important for speakers arriving from outside the Los Angeles area. And the food is quite good. Other than the old timer Italian singing Sinatra songs at odd times before and after the meetings, we haven't had any complaints or issues at Victorios! ☺

Steven's Steakhouse is a classic destination at which AEG has been hosting meetings for several years. However, attendance of AEG meetings at Steven's has been lackluster the last few years, and for many constituents in the Valleys it is out of the way, being on the south side of downtown LA. We hope to continue holding meetings there, since they have been pretty good to us over the years. At a minimum, our meetings co-hosted with ASCE Geotechnical will continue to be held at Steven's since that is their main meeting location.

Lastly, the Doubletree in Santa Ana is certainly a nice location for meetings, and proximal for our members in the Orange County area, but a considerable distance from many of our constituents in the Valleys. As our constituency is so widespread across southern California, this is always going to be a problem for some regardless of where we host the meetings. However, we will continue to hold at least one meeting every year at this location, at very least our co-hosted meeting with SCGS will be at Doubletree.

Call for Volunteers!

Our very own Edmond Lee, who has volunteered with AEG SoCal section for about four years in various capacities, has expressed to us his desire to step down as Treasurer of our section, as he would like to spend more time with his family in his free hours. Edmond has been an excellent Treasurer and it's tough to see him go. Pedram Rahimikian, our current Secretary Newsletter Editor, has agreed to take on the Treasurer role eventually. Edmond has agreed to stay on until Pedram is up to speed. In the meantime, we are asking for volunteers to step up and contribute to AEG at the local section level, including as Secretary, which Pedram will vacate when he becomes Treasurer. We plan monthly meetings, organize fun field trips, and

plan to issue an AEG Field Trip Guide for our Hollywood and Santa Monica field trips. Please encourage your employees and coworkers to contribute to our cause and the profession! Interested parties can reach out to me, Shant Minas, Chair, at shant@aessoil.com or 818-245-0406.

Remediation Workshop, February 16th.

Field Environmental Instruments, Inc., a company that has sponsored AEG over the years and that AEG has partnered with for workshops, is holding a Remediation Workshop in the Rosemead area on Tuesday February 16. The workshop is free and will be very informative for those of us working in the environmental profession. Please see the announcement included later in this newsletter.

Geoscience Degree Workshop, February 19th.

The Board for Professional Engineers, Land Surveyors and Geologists (BPELSG) is holding a very important workshop regarding the proposed revisions to the Qualifications for Licensure as a Professional Geologist. The workshop will be led by Ms. Laurie Racca, PG, of the BPELSG, who is also our guest speaker for our March meeting in Westlake Village. This upcoming workshop will be held in Riverside on February 19, and is only two hours long. Please make the effort to attend, the Board needs our input regarding this important matter that will affect future practitioners.

Update on June 2016 Santa Monica and Malibu Fault Zone Field Trip

Planning for our June 2016 field trip is well underway. I want to report that I already have commitments from several prominent geologists who have worked on the fault at various locations along our route, including Tom Rockwell, Scott Lindvall, Miles Kenney, Richard Crook, Jr., Eldon Gath and of course, Roy Shlemon. I am in the process of connecting with other potential speakers.

Our proposed stops are the following:

1. Veterans Administration facility

2. University High School
3. Brentwood Knolls
4. Temescal Canyon/Potrero Canyon
5. Malibu Bluffs Park, Winter Mesa

If any of you have particular experience along this segment of the fault and are interested in being a speaker, please contact us! We will be very happy to include more speakers with broad backgrounds.

Some of the presenters I have thus far communicated with have expressed that there may not be enough information for a meaningful discussion at the Brentwood Knolls location, but I understand that Miles Kenney and Brian Olson have done some geomorphic studies in this area pertaining to the fault that could be of considerable interest, so we intend to keep this as one of the Stops. Also, we will be passing by some major landslide areas along PCH (Big Rock Mesa among them) which, although not directly related to fault activity, are of considerable interest to engineering geologists working in this area. For this reason we will have some brief discussion in the bus regarding the landslides which will be led by some of our members who have had significant involvement in the characterization and remediation of these slides.

We have planned five stops instead of six (which we did last year), since the driving distance is considerable and we will be passing through some heavily trafficked locations especially in the summertime. Our lunch stop will probably be at Temescal Canyon Park, near Stop 4. Dave Perry and I will be conducting a reconnaissance mission in the ensuing weeks along our proposed route to work out the logistics. If any of you are interested in helping organize the field trip, by all means reach out to me during the meetings or by email or telephone! We could use some help.

Please continue to read about the details of our upcoming February meeting, and workshops scheduled later this month. See you soon!

February 10, 2016 AEG SoCal Meeting Topic:

The March 22, 2014, Oso Landslide: an Update to the GEER Response

Jeffrey R Keaton, Amec Foster Wheeler, Los Angeles, USA

The Geotechnical Extreme Event Reconnaissance (GEER) Association formed a team of the following seven professional geologists and engineers in response to recognition of important geotechnical effects of the Oso Landslide. The GEER report was based on observations made during a four-day period in May 2014, almost exactly two months following the landslide and at the end of the search for victims. The GEER report in Adobe Acrobat format can be downloaded at no cost from the GEER website (www.geerassociation.org). A peer-reviewed article led by Joe Wartman was published in January 2016 in *Geomorphology*.

Jeffrey Keaton¹, Joseph Wartman², Scott Anderson³, Jean Benoit⁴, John delaChapelle⁵, Robert Gilbert⁶, and David Montgomery²

(1) Amec Foster Wheeler, Los Angeles, CA, (2) University of Washington, Seattle, WA, (3) Federal Highway Administration, Denver, CO, (4) University of New Hampshire, Durham, NH, (5) Golder Associates, Inc., Redmond, WA, (6) University of Texas at Austin, Austin, TX

The Oso Landslide in Snohomish County, Washington, is among the most significant geologic disasters in recent U. S. history. The landslide occurred on a valley slope with documented history of intermittent landslide movement dating back to the 1940s; the most recent slope movement in 2006 blocked the North Fork of the Stillaguamish River and caused shallow flood damage to some of the nearby homes. The Oso Landslide is one of many landslides that have occurred on valley slopes above the North Fork of the Stillaguamish River.

The 22 March 2014 Oso Landslide generated vibrations at 10:37 A.M. local time that were recorded on nearby seismograph stations; it became a rapidly moving, unchannelized debris flow that spread out as it travelled about 1 km across the valley, damming the North Fork of the Stillaguamish River, destroying and carrying away about 50 homes, taking the lives of 43 people, and burying about 1.5 km of State Highway 530.

The landslide is thought to have been triggered by exceptional precipitation; however, no other landslides occurred in Snohomish County or elsewhere in the region. Therefore, it appears

that a combination of the geologic setting and variability in the precipitation may have been contributing factors. The Rowan Landslide, an ancient landslide adjacent to the west of the Oso Landslide, has remarkably similar characteristics to and is larger than the Oso Landslide. Recent geomorphological research on landslides in the vicinity of Oso published in February 2016 *Geology* is based on radiocarbon dates. Ongoing research by the author uses radar rainfall to document variability in local intensity that may have been important as a triggering mechanism for the 22 March 2014 Oso Landslide.

AEG and Field Environmental Instruments, Inc. would like to invite you to the **Los Angeles Remediation Workshop** that Field Environment will be hosting on Tuesday, February 16th at the DoubleTree by Hilton Los Angeles.

The Remediation Workshops are hosted in 50 cities across North America & Europe and over 5,000 people have registered for our workshops. Thanks to the workshop sponsors & exhibitors there is **NO CHARGE** for you to attend and a hot lunch buffet is provided. You'll also receive a certificate for 4 PDH credits.

I also wanted to draw your attention to a new video that we have on our website. If you, or someone you know hasn't attended one of our workshops, but you think they may enjoy attending, you can send them this link and they'll be able to take a quick look at what it's like: <https://www.youtube.com/watch?v=avyoISDnlvl>.

And lastly, those of you that are interested in exhibiting during one or more of our workshops throughout North America and Europe, please let me know and I'll be glad to give you some detailed information so we may begin that process.

Below are more details:

LOS ANGELES WORKSHOP SCHEDULE

11:15 – Registration, hot buffet lunch is served, and networking with exhibitors

11:45 – Welcome from the Executive Director

12:00 – CA Water Boards – Yue Rong “Update on UST Low Threat Policy and Fracking Regulations”

12:15 – Drew Baird – “Putting remedial solid materials into soil or rock; the targeted injection of slurries”

12:55 – Alan Seech – “Treatment of heavy metals in soil and groundwater using innovative reagents based on iron and iron sulfide chemistry”

1:35 – BREAK

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2:00 – Dick Raymond – “Optimizing EVO Formulations for Maximum Reductive Dechlorination in Your Aquifer using emulsified vegetable oil substrates and emulsified vegetable oil with ZVI”

2:40 – Eric Garcia – “High-Resolution Site Characterization (HRSC): Using Combined Membrane Interface Probe (MIP) / Hydraulic Profiling Tool (HPT) for Rapid In-Situ Contaminant and Hydrostratigraphic Characterization.”

3:20 – BREAK

3:35 – Dr. Jim Mueller – “Managing Excessive Methane during ISCR Treatment”

4:15 – Noah Heller – “Remedial Groundwater Optimization Derived from a Fundamental Understanding of Low Flow Sample Hydraulics”

5:00 – After Hours Networking Session hosted by one of our Sponsors

Los Angeles Workshop Location – **Tuesday, February 16th**

DoubleTree by Hilton Los Angeles – Rosemead, 888 Montebello Blvd.

REGISTER ONLINE: <http://remediationworkshop.com/workshops/los-angeles-ca/>

Even though it's a **FREE** workshop, you must register online so that they know how much food to order.

Feel free to forward this on to others in your office and I'll see you at the workshop!

Thanks!

Stephanie Garret

Marketing Assistant

www.RemediationWorkshop.com

Seattle, Denver, Houston, Orlando, Honolulu, Baltimore, New York, Los Angeles and many others...

c: 704.962.5504

stephanie@remediationworkshop.com


BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

2535 Capitol Oaks Drive, Suite 300, Sacramento, California, 95833-2944

Telephone: (916) 263-2222 – Toll Free: 1-866-780-5370

Facsimile: (916) 263-2246

www.bpelsg.ca.gov


GEOSCIENCES DEGREE WORKSHOP AGENDA

Qualifications for Licensure as a Professional Geologist

Public workshops regarding the minimum curriculum for a qualifying geological sciences degree

The Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG or the Board) is holding two workshops to receive input to identify the minimum curriculum required for a qualifying geological sciences degree in order to apply for licensure as a Professional Geologist.

The minimum qualifications for licensure as a geologist in California are described in Business and Professions Code section 7841 (see box for complete text).

The Board has long recognized that there is confusion among potential licensees regarding the requirement for “*Graduation with a major in geological sciences from a college or university*”. The confusion appears to be due to several factors including:

- the lack of a standardized university curriculum for a geology or geoscience degree;
- the lack of a national accreditation program for a geology or geoscience degree;
- the proliferation of interdisciplinary earth science and environmental degrees in response to current environmental challenges;
- the misperception by some that because geologists often work in the environmental field, environmental science (or related interdisciplinary degrees) and geology are equivalent.

7841. Qualifications for registration as a geologist

An applicant for licensure as a geologist shall have all the following qualifications:

(a) Not have committed any acts or crimes constituting grounds for denial of licensure under Section 480.

(b) Graduation from a college or university with a major in geological sciences or any other discipline that, in the opinion of the board, is relevant to geology.

(c) Have a documented record of a minimum of five years of professional geological experience of a character satisfactory to the board, demonstrating that the applicant is qualified to assume responsible charge of this work upon licensure as a geologist. This experience shall be gained under the supervision of a geologist or geophysicist licensed in this or any other state, or under the supervision of others who, in the opinion of the board, have the training and experience to have responsible charge of geological work. Professional geological work does not include routine sampling, laboratory work, or geological drafting.

Each year of undergraduate study in the geological sciences shall count as one-half year of training up to a maximum of two years, and each year of graduate study or research counts as a year of training.

Teaching in the geological sciences at college level shall be credited year for year toward meeting the requirement in this category, provided that the total teaching experience includes six semester units per semester, or equivalent if on the quarter system, of upper division or graduate courses.

Credit for undergraduate study, graduate study, and teaching, individually, or in any combination thereof, shall in no case exceed a total of three years towards meeting the requirement for at least five years of professional geological work as set forth above.

The ability of the applicant shall have been demonstrated by the applicant having performed the work in a responsible position, as the term "responsible position" is defined in regulations adopted by the board. The adequacy of the required supervision and experience shall be determined by the board in accordance with standards set forth in regulations adopted by it.

(d) Successfully pass a written examination that incorporates a national examination for geologists created by a nationally recognized entity approved by the board, and a supplemental California specific examination. The California specific examination shall test the applicant's knowledge of state laws, rules and regulations, and of seismicity and geology unique to practice within this state

The Board intends to amend Title 16, California Code of Regulations section 3031 to define the minimum curriculum for a qualifying geological sciences degree and to clarify the educational and experience requirements for licensure as a Professional Geologist. The Board is asking for input from academia, licensed geologists, and members of the public and is hosting two workshops to provide a forum to communicate with interested parties. The agenda for each of the two workshops will be identical and is described below. A copy of the presentation will be posted on-line, 10 days prior to the first workshop.

The proposed requirements could include:

- granting 2 years of experience credit for a geology degree meeting the proposed minimum curriculum.
- defining the minimum curriculum based upon
 - the State of California and Association of State Boards of Geology (ASBOG) geologist task analysis surveys,
 - the 2012 recommendations by the Geologist and Geophysicist Technical Advisory Committee,
 - a 2015 informal coursework survey of colleges/universities in California offering geology or related degrees
 - a review of published research papers on the topic of geologist qualifications
 - a review of licensure requirements for other US States and Puerto Rico
 - ASBOG and professional society models
- granting 1 year experience credit for
 - a geology degree with a non-approved curriculum; or,
 - a related science degree with a reasonable and rational nexus to geology, plus completion 30 semester units in geologic science of which 24 units are in the third or fourth year, or graduate courses
- granting an additional one-half year of experience credit for upper division coursework that specifically addresses the seismicity and geology unique to the State of California [the subject of the California Specific Examination required by §7841 (d)].
- Granting credit for graduate work.

The current language from §7841 stating that “*In no cases will a candidate be granted more than 3 years of education credit, in any combination of the following, towards the total educational and work experience requirement of 5 years*” would be preserved.

Workshop Dates

February 19, 2016, 10 am – 12 noon

Dept. of General Services
Highgrove Room, 2nd Floor
3737 Main Street
Riverside, CA 92501

February 26, 2016, 10 am – 12 noon

BPELSG Conference Room
2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833

Agenda

1. Opening remarks (BPELSG Executive Officer or Board Member)
2. Presentation by Laurie Racca PG, Senior Registrar for Geology & Geophysics
 - History of geology licensure qualifications in California
 - Description of the basis for the proposed draft requirements
 - Summary of the proposed draft minimum curriculum for a qualifying geoscience degree
3. Comments and input from the public

After the February 26, 2016 workshop, a web video of the presentation will be posted on-line for viewing by interested parties unable to attend one of the workshops.

Interested parties may also submit comments to the Board via email (Laurie.Racca@dca.ca.gov) or U.S. Mail (Attn: Laurie Racca, 2535 Capitol Oaks Drive, Suite 300, Sacramento, CA 95833). Comments are requested by March 31, 2016. After considering all input, the proposed amendments to Section 3031 would be presented at a future Board meeting with a request that the Board approve moving forward with rulemaking. Additional opportunities for public comment will be available during the formal rulemaking process.


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PUBLIC COMMENT FORM
GEOSCIENCES DEGREE WORKSHOP
Qualifications for Licensure as a Professional Geologist
Public workshops regarding the minimum curriculum for a
qualifying geological sciences degree

You may use this form to send in your written comments and suggestions regarding the development of a minimum curriculum for a qualifying geological sciences degree. Use of this form is optional and it is provided for your convenience. Comments will be accepted with or without the use of this form. Interested parties may submit comments to the Board via email (Laurie.Racca@dca.ca.gov) or U.S. Mail (Attn: Laurie Racca, 2535 Capitol Oaks Drive, Suite 300, Sacramento, CA 95833). Comments are requested by March 31, 2016. After considering all input, the proposed amendments to Section 3031 will be presented at a future Board meeting with a request that the Board approve moving forward with rulemaking. Additional opportunities for public comment will be available during the formal rulemaking process.

 Name:

 Agency or Organization (if applicable):

 Address:

 Telephone:

 Email:

 Comments:

If you wish to receive occasional news and important updates regarding BPELSG activities, please subscribe to our mailing list at <http://www.bpelsg.ca.gov/> by selecting the green “subscribe” button and then entering your email address.

Certified Engineering Geologist, Orange County, California

Geocon has an immediate opportunity for a highly motivated geologist to work on a wide variety of engineering geology projects based out of our office in Irvine, Orange County. The ideal candidate will have experience performing a wide variety of geotechnical investigations for public and private sector clients, supervising rough grading operations for large-scale land development projects, and be proficient in utilizing field data to characterize and solve complex engineering geologic problems. Flexibility to travel, ability to work simultaneously on multiple projects, willingness to learn new skills, and a commitment to workplace health and safety while maintaining a positive attitude is desired.

Responsibilities:

- Prepare project proposals and budgets and coordinate staff scheduling
- Plan, coordinate, and conduct geotechnical investigations
- Collate, analyze, and present project geologic data, including the preparation of trench and boring logs, geologic maps and cross-sections, fault trench logs, and interpretation of historical stereographic aerial photographs
- Perform construction documentation during grading projects, including field mapping of cut slopes and other excavations
- Identify/evaluate geologic conditions impacting project design, construction and/or long-term performance of engineered structures
- Coordinate the collection of field samples and assignment of laboratory testing
- Prepare project geotechnical reports
- Review project plans, specifications, and related documents
- Attend meetings with clients, contractors, and project staff as-needed

Requirements:

- Bachelor's or Master's Degree in Geology or Engineering Geology (graduate level education preferred)
- Professional California Registration as a Certified Engineering Geologist required
- A minimum of 5-plus years of relevant work experience
- Knowledge of complex structural geology, ability to recognize geologic hazards, and experience in evaluating the impacts of slope instability and landsliding on land development.
- Experience in a variety of subsurface investigation techniques, including downhole logging of large diameter borings
- Excellent verbal and written communication skills
- Ability to work both independently and as the member of a professional team to accomplish project goals
- Valid California driver's license

Geocon is an Equal Opportunity Employer committed to retaining talented staff; therefore, we offer competitive market wages and extensive benefits to our full-time employees. We have established a variety of employee benefit programs designed to assist our employees and their dependents in meeting financial requirements that can result from illness and disability as well as assist in planning for their retirement. Our benefits package includes medical insurance, vacation and sick leave, bereavement leave, family leave, medical and pregnancy leave, life insurance, short-term and long-term disability insurance, and a profit sharing program. We practice same-week reimbursements for mileage and expenses as well as flexible work hours to accommodate employees' needs. Most of our employees have been with the company for over five years, and the majority for over ten to twenty years. Come work for a company that truly values its employees and offers an energetic work environment, great benefits, pleasant office dynamics, no corporate red tape, flexible work hours, and the opportunity to advance in your career!

Benefits and salary based on experience

For consideration, please e-mail resume to Rupert Adams at adams@geoconinc.com

AEGF Scholarship Application's Deadline Extended to FEBRUARY 20, 2016

The AEG Foundation Scholarship Application closing date is fast approaching. All applications must be fully completed and submitted online by **February 20, 2016**. For California students, the AEG Foundation has six scholarship programs to support students, including scholarships for field camp, field research, scholarship and professional development at both the undergraduate and graduate levels. Academic scholarships are briefly described below. For the AEG Foundation scholarship application and specific information about each of our scholarship programs, please visit our website at www.aegfoundation.org.

We encourage students to apply for Foundation scholarships. Applications are only accepted online at www.aegfoundation.org/applications. First-time users will need to set up an account, but you can then apply for multiple scholarships from that account. Please read the criteria for each scholarship to determine if you are eligible.

You must be a student member of AEG to apply for AEG Foundation scholarships, but student membership in AEG is free! Go to www.aegweb.org to become a student member.

Faculty members, as members of academic institutions supporting students in Environmental and Engineering Geology, the AEG Foundation hopes that you will encourage students to apply for one or more of the many scholarships we offer. In addition, we hope that you will assist the students by completing recommendations for applications when or if you are requested.

Funds for Students

These Funds assist students to attend field camps, professional meetings, and support student research, scholarship, and professional development.

- **BEARDSLEY-KUPER FUND:** This scholarship was established in 2009 by Cathryne Beardsley with her daughter Dorian Kuper and son-in-law Tom Kuper. The fund provides financial support for field camp tuition and expenses.
- **CAROLINAS SCHOLARSHIP FUND:** This scholarship fund was established in 2015 by the AEG Foundation to support direct costs associated with the Carolinas Scholarships.
- **LEMKE FUND:** This scholarship was established in 2007 in memory of June and Richard Lemke and provides supporting funds to AEG Student Members presenting at professional meetings at which AEG plays a substantial role.
- **MARLIAVE FUND:** The Marliave Fund was established by AEG in 1968 and is in memory of Burton, Chester, and Elmer Marliave. This fund supports graduate and undergraduate Scholarships in Engineering Geology and Geological Engineering.
- **TILFORD FUND:** Established in 1998 in memory of Norman Tilford, a Past President and Executive Director of AEG, and professor at Texas A&M. This fund is distributed as grants awarded to graduate and undergraduate students in support of field studies.
- **STOUT FUND:** Established in 1994 by the Southern California Section in honor of Professor Martin Stout. This fund supports graduate and undergraduate students in environmental and engineering geology.

Latest Update from GMED, Los Angeles County

The Geotechnical and Materials Engineering Division (GMED) of the County of Los Angeles Department of Public Works is now accepting Building and Grading permit application document submittals through a web application at the following URL:

<https://dpw.lacounty.gov/apps/esubmissions/gme/default.aspx>

Permit applications must be filed with Building and Safety before documents can be submitted to GMED because a plan check application number must be provided on the upload screen. First-time users are required to create a site login, which facilitates future submittals and provides contact information should it be determined that additional information is needed to process the submittal.

Documents submitted through the web portal include consultant's reports, building/grading plans, permit applications, fee receipts, etc., and must be in Adobe PDF format. Submittal of hard copy (paper) documents to GMED is no longer required.

Our web application will not accept plan check application numbers for applications filed through Land Development Division and some Contract Cities. For information on submitting these projects, or for any other questions, please contact GMED at GMEDSubmittals@dpw.lacounty.gov, or (626) 458-4923.



Project X
Corrosion Engineers
Ed Hernandez, PE, NACE CCT
MBE • DBE • SDB • SBE

Soil / Water Lab – Failure Lab
Corrosion Control Consulting

Phone : 213-928-7213 • info@projectxcorrosion.com
Field Investigations • Anode Testing • Weird Science
Corrosive Bacteria • Cathodic Protection Surveys

Chapter Meetings

Inland Empire:

For the latest information and updates, please visit <http://www.aegsc.org/chapters/inlandempire/>

Central Coast:

For the latest information and updates, please visit <http://www.aegsc.org/chapters/centralcoast/>

San Diego:

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

YEAR 2016 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, Edmond Lee.

2016 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. 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

If you would like to post an ad in the newsletter, please contact Pedram Rahimikian at pedram@geoconceptsinc.com. Advertisement rates are shown in the box below.

**Company & Employment Advertising
Newsletter (includes SoCal website posting)**

Quarterly Newsletter

- **Business Card** **\$50**
- **¼ Page** **\$75**
- **½ Page** **\$100**
- **Full Page** **\$200**

SoCal website posting only

\$20/month

Pedram Rahimikian
GeoConcepts, Inc.
14428 Hamlin Street #200
Van Nuys, CA 91401
818-994-8895