



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

NEWSLETTER – 2nd Quarter 2016

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Greeting AEG SoCal members! We have a lot going at this time of year. We skipped the May meeting so that we may focus more on the upcoming June 11 Field Trip along the Santa Monica and Malibu fault zones. Please continue reading for important updates.

In addition, we as a Section (including our Inland Empire sub-chapter) will soon be receiving a email ballot to vote for Regional Director of the new Southern California Chapter, please read on for more details.

Lastly, we have a number of great chapter meetings scheduled for August, September and October, and of course the National Meeting in Kona, Hawaii in September! Keep reading...

Chair's Column

By Shant Minas

May 19, 2016

Greetings, AEG members!

Lots going on this time of year. We skipped a May meeting so that we could focus on the June 11 field trip, which is turning into a real dandy. So let's start with some updates on the Field Trip.

Updates Regarding Upcoming June 11 Santa Monica Fault Zone Field Trip

We will have a total of six stops, as delineated in the Field Trip Registration form that was emailed to membership last month. We have some additional volunteer speakers, including myself.

At Stop 1, after a brief introduction, I will be presenting a discussion of about half-dozen fault studies that I have conducted along with Steve Miller of Miller Geosciences, in the west Los Angeles area, with particular focus on an extensive study we conducted near the Mormon Temple where we found a splay of the Santa Monica fault. After that I will pass it on to Miles Kenney who will discuss prior work on the VA grounds and his regional geomorphic models of the fault in this vicinity.

At the current time, after we submitted a formal request to the VA to use their property for Stop 1 and for parking, the VA has formally denied us a permit to conduct our field trip stop on their property. Their reason is that our field trip does not directly benefit veterans. So we are currently making alternative arrangements for the location of stop 1 as well as parking, to be announced shortly.

We have had a great early response to the field trip and we are approaching 90% capacity, so time is running out to get your registration form in! I have included it here again later in the newsletter.

And lastly, we hope to have a few drilling contractors co-sponsor the lunch, including **Kehoe Testing and Engineering** of Huntington Beach, and **Choice Drilling** out of Sylmar.

Current AEG Membership.

I might add, this very important item. In our registration form we clearly indicated that each participant needs to be a current active member of AEG or one of our sister organizations. Our early review indicated that some of the registered participants are lapsed AEG members. We kindly ask those you who have not updated your membership with AEG National to do so online prior to the event. Your membership dues are important so that AEG can continue its crucial work on behalf of our profession, with its publications, events, organization and lobbying efforts that all practicing geologists benefit from.

Regional Director for AEG Southern California Chapter

As I have explained over the course of the last several months at our monthly meetings as well as in our newsletters and email correspondence, our membership needs to submit to national a Regional Director. This is the result of the change of governance that has already been approved and is being implemented currently.

At the current time, two candidates from our southern California section have been nominated to become the Regional Director. Those candidates are **Eldon Gath**, past Chair of southern California section as well as Past-President of AEG National, and myself, **Shant Minas**, current Chair of southern California section.

Our names have been submitted to National, which will be issuing an election ballot by email in the weeks ahead. Please stay tuned for that to cast your votes in for Southern California Regional Director!

Upcoming Chapter Meetings

We will be taking July off for summer break. We are pleased to announce we will be hosting **current President of AEG, Professor Paul Santi** of the Colorado School of Mines, for our monthly meeting in August. The meeting will take place at **Steven's Steakhouse in Commerce, on Tuesday August 2**. We are also pleased to announce that the meeting will be co-hosted by ASCE Geo Institute of Los Angeles as well as the South Coast Geological Society! Moreover, we hope to get some of our cohorts from the Inland Empire chapter to join us also, so it will be a very lively meeting with a capacity crowd. Dr. Santi's topic will be **"Debris Flows Following Wildfire in the Western U.S."** which will be a very informative and important talk.

In September, we will be **co-hosting with South Coast Geological Society, on Monday September 12, with Dr. Art Sylvester of UCSB**. This meeting will take place at the Doubletree Hotel in Santa Ana. This will also be a very popular talk, I spoke to Greg Shagam of SCGS and they are expecting a capacity crowd of around 120 people for this meeting! Dr. Sylvester is expected to talk about his **upcoming Roadside Geology of southern California** book, although the topic is not set yet. Stay tuned for more details on that meeting later in the year.

Our monthly meeting **on Tuesday, October 11 will be at Cisco's** in Westlake Village, where we will be happy to have the very distinguished **Dr. Phil Hogan** of Fugro Consultants, who will present **“LACSD Ocean Outfall Tunnel Project: Seismic Imaging and Slip Rate Constraints of the Palos Verdes Fault Zone”**. We are very excited to have longtime collaborator Dr. Hogan with us in October.

And our November meeting will be a student night, to take place at my office at Applied Earth Sciences, where I will make a presentation regarding current practice trends and techniques in the profession of engineering and environmental geology in southern California. The meeting will be open to all members of course, with a particular emphasis toward current undergraduate and graduate students. This meeting will take place the week of November 14, exact time and date TBD.

National AEG Meeting, September 18-24, 2016

And of course, the much-heralded and anticipated national AEG meeting will take place in Kona, Hawaii this year. I traveled to the Big Island some years ago when I was a geology novice and it piqued my interest in becoming a geologist. I consider that island to be a “Geologist’s Disneyland”. It is certain to be a very successful meeting with great speakers and field trip locations. See the flyer attached and submit your registration online soon!

3rd North American Symposium on Landslides

We are pleased to announce that AEG is a co-sponsor of a national meeting to take place in Roanoke, Virginia, in June 2017. Never too early to plan ahead for what will be a very informative meeting. Those of us working with landslide hazards will find this symposium to be a must-attend. Please see the flyer attached for additional information.



April 26, 2016

AEG FIELD TRIP: SANTA MONICA AND MALIBU FAULT ZONE, JUNE 11, 2016.

It is my pleasure as AEG Chair of the southern California section to invite you to join us on Saturday, June 11, 2016, as we embark on a Field Trip along the Santa Monica and Malibu Fault Zones. This is our follow-up field trip to last-year's highly successful field trip along the eastern portion of this fault.

We plan to start the field trip promptly at 8am, and proceed east to west, starting where we left off last year. We will be travelling by bus once again. There will be a maximum attendance of 60 people including speakers and organizers. **The per person trip fee will be \$110**, slightly more than last year, which reflects some additional transportation costs and longer travel distance for this year's trip.

The stops have been tentatively planned at locations of significant investigative activity and of general interest to engineering geologists. We encourage invited speakers at each location to present a visual aid such as a poster to facilitate the presentation. We will utilize a loudspeaker PA system for each speaker. A road log will be provided on the day of the field trip, and we hope to produce a field trip guide with summaries of each stop location with input from each speaker, within the ensuing months following the field trip.

The tentative schedule is as follows:

Stop 1, 8am: Veterans Administration, corner of Sawtelle Blvd. and Dowlen Drive. We have submitted a formal request to use the VA parking lot as our rendezvous point and staging area for Stop 1. If for whatever reason we are unable to secure access, the meeting point will be shifted off nearby this location but off VA grounds, Exact location TBD. The main speaker at this location will be Miles Kenney, who has prepared some sophisticated geomorphic models of the fault in this vicinity. Workers who have performed investigations on the VA grounds are encouraged to join the discussion.

Stop 2, 9am: University High School, secured parking lot off Barrington Road, southeast part of campus. This parking lot is just north of the Tongva Springs, which is considered the main trace of the fault. We are also in the process of securing access to this parking lot with LAUSD. If we are unable to secure access to this location, we will meet nearby on the sidewalk or other suitable location. David Perry will lead the talks regarding the several investigations done on this campus.

Stop 3, 10am: Brentwood Knoll, Montana Avenue south of Brentwood Country Club. This topographic high was first identified as such in the USGS Topographic Map of Los Angeles County from 1923, and Hoots Geologic Map of 1931. There have not been any studies done at this site since most development here took place prior to it being recognized as possibly being related to uplift and movement along the Santa Monica Fault. Our main speaker at this location will be Brian Olson of the California Geologic Survey.

Stop 4, 11am: Temescal Canyon Park. We will enjoy an early lunch and ocean views at this location, where Casey Jensen of the Los Angeles Department of Building and Safety will discuss the evolving requirements for fault studies in the city of LA. Don Michael will also lead a discussion of landsliding along PCH and their relationship with faulted earth materials along the fault zone, which will continue as we drive westward along PCH.

Stop 5, 12:30pm: Los Liones Trailhead, Los Liones Drive, Pacific Palisades. We will stop at one of the popular trailheads that lead hikers and equestrians to the Parker Mesa in the Santa Monica Mountains. Here, Philip Shaller will be our main speaker and will discuss coastal uplift of marine terraces related to tectonic activity along the Santa Monica-Malibu fault zone.

Stop 7: 1:30pm: Michael Landon Community Center, Malibu Bluffs Park, Winter Mesa Drive. At this location, Eldon Gath and Roy Shlemon will discuss numerous fault studies done in this area that first resulted in the area being designated an AP fault zone, only later to be overturned and removed from the fault zone designation, the first and only time an AP zone has been rescinded.

We plan to return to our original parking location at VA by 3:30pm and no later than 4pm.

We hope you can join us. It is our second such field trip following on the success of last year's trip, and there is considerable interest so please act early and sign up. Spaces are expected to sell out.

As a note, this event is not open to the public and is extended to members of AEG, South Coast Geologic Society, and ASCE Geo Institute only. We will be maintaining strict accountability of potential registrants so non-members will not be allowed to attend.

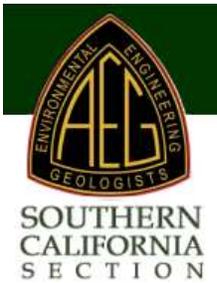
Kindly,

A handwritten signature in black ink, appearing to read 'Shant Minas', with a stylized, cursive script.

Shant Minas

AEG SoCal Section Chair

818-245-0406, shant@aessoil.com



Association of Environmental & Engineering Geologists
Southern California Section

**Santa Monica-Malibu Fault Field Trip, June 11, 2016
Registration Form**

Thank you for your interest in the Santa Monica-Malibu Fault field trip. Please provide the following information to register for the event. Participation in the event is limited to the first 58 applicants. A light breakfast and lunch will be provided. The amount for the field trip is \$110.00

Name: _____

Telephone: _____

Email: _____

Current Membership: AEG SCGS ASCE

A sandwich, chips, and a drink will be provided for lunch. Please indicate your lunch preference.

Non-Vegetarian

Vegetarian

Please remit the completed registration form to Darrin Hasham, AEG Southern California Section Vice-Chair at the following address.

Darrin Hasham
5620 Pal Mal Avenue
Temple City, CA 91780
(909)-380-3289

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Call for

Technical Papers

Abstract Deadline: May 1, 2016

Online submittal -

www.aegannualmeeting.org

Technical Sessions and Symposia

Technical Sessions:

- Dams: Repair and Removal Projects
- Transportation and Infrastructure Project: Rebuilding our Pipelines, Tunnels, Bridges, Highways and Railways
- Slope Movements: Landslides and Rockfall Hazard Remediation and Mitigation Projects
- Geologic Hazards, Communication and Mitigation of Volcanic, Seismic, Liquefaction and Tsunami Hazards
- Geophysics and Remote Sensing in Engineering Geology: Case Studies and Advances using geophysics, drones and satellites
- Subsidence/Sinkhole Hazards in Karst and other Terrains
- Climate Change and Engineering Geology: Coastlines effects and Mitigation Projects
- Habitat Restoration and Improvement Projects: Stream Remediation, Culvert Replacement, Hatchery Reconstructions
- Groundwater and Hydrogeologic Projects
- Environmental Remediation Projects
- Rock Mechanics

- Materials Test and Ground Improvement
- Careers in Geosciences
- Lifeline Engineering and Special Tech
- Unique Engineering Geology Projects
- Volcanic and seismic Hazards of the Circum-Pacific Region

Invited Symposia:

- Dam and Dam Foundation Design, Repair and Rehabilitation
- Rock Engineering-Rock Mechanics Symposium
- Engineering Geology for Tunnels and Underground Construction
- Reaching the Last Mile: Our Responsibility to effectively Communicate to those in Harms Way what Geohazards they Face and Implement Disaster Mitigation Strategies
- Environmental Impacts and Cleanup for Military Bases
- Application of Geophysics to Geotechnical Investigations
- Coastal and Harbor Projects
- Archeology and Engineering Geology
- Landslide Symposia



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AEG's 2016 Annual Meeting
*"Environmental & Engineering Geology in
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September 18-24, 2016
Kona, Hawaii

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www.aegannualmeeting.org



**Third North American
Symposium on Landslides**

Roanoke, Virginia, USA
June 4-8, 2017



FIRST ANNOUNCEMENT

THEME

Landslides: Putting Experience, Knowledge and Emerging Technologies into Practice

The 1st North American Symposium on Landslides held in 2007 in Colorado and of 2nd North American Symposium on Landslides held in 2012 at Banff, Alberta, Canada.

THE OBJECTIVE OF THESE SYMPOSIA

The main objective of the symposia is to provide a stimulating forum for geoscientists, engineers, planners, economists, program managers, and other decision makers concerned with landslide hazards and their impact on society. Papers related to investigation, classification, monitoring, analysis and mitigation of landslides, as well as case studies on innovative analysis techniques and solutions will be presented.

THE TECHNICAL PROGRAM

- Sunday Workshops
- Sunday Evening “Ice-Breaker” Reception
- Three days of Technical Presentations with Morning Plenary Sessions and Afternoon Concurrent Sessions
- Exhibition Space
- Included Luncheons and Refreshment Breaks
- Selection of Full-day Field Trips on Wednesday
- Poster Sessions
- Electronic Proceedings

ROANOKE ATTRACTIONS

The Symposium Hotel is in central Roanoke, the largest city, shopping, and dining destination in the “Virginia Mountains Region.” Roanoke is an entry point for the Blue Ridge Parkway – “America’s Most Scenic Drive.” Local points of interest include several museums, the Historic Roanoke City Market, various craft breweries, and one of Virginia’s favorite hikes, McAfee Knob. Nearby areas are a playground for outdoor enthusiasts with lakes to boat, rivers to fish, and peaks to conquer. But that’s not all, there are many historical and cultural attractions. So consider a family vacation before or after the Symposium!!

For Additional Information:

<http://www.aegweb.org/landslideroanoke2017/>

TIMELINE FOR SUBMISSIONS

June 30, 2016	Abstract submission deadline
July 31, 2016	Abstract acceptance notification
October 31, 2016	Manuscript submission deadline
January 2, 2017	Manuscript returned for revision
February 13, 2017	Manuscript final submission

Abstracts will be limited to 250 words. All submissions will be peer-reviewed. Style templates will be provided. Both oral and poster presentations will have written submissions.

All submissions will be included in the Electronic Conference Proceedings and will follow Environmental & Engineering Geoscience Journal standards.

Papers are invited from all topics in landslide science, engineering, and public policy fitting the general themes below. The topics listed are examples only. Abstracts on any relevant landslide topic are welcome.”

Example Topic List

Experience

- The National Landslides Hazards Program
- The National Landslide Loss Reduction Act
- Emergency Management and Response
- Case histories and lessons learned
- Impacts of climate change
- Predicting slope failures
- Landslide insurance

Knowledge

- Hazards reduction and communication
- Risk analysis, reduction, and mitigation
- Societal impacts of landslide hazards

- Impacts of weather on slope stability
- Earthquake-induced slope failures
- Mechanics of rock and soil slopes
- Slope stability in mining environments
- Sustainable slope design

Emerging Technologies

- LiDAR, UAS and remote sensing techniques
- New developments in monitoring and mitigation
- Soil and rock slope stabilization
- Early warning and rapid response systems
- Advances in landslide modelling
- Rapid mapping and mobile GIS applications

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AEGF Scholarship Applications

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.



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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, Pedram Rahimikian.

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)	
<u>Quarterly Newsletter</u>	
▪ Business Card	\$50
▪ ¼ Page	\$75
▪ ½ Page	\$100
▪ Full Page	\$200
<u>SoCal website posting only</u>	
\$20/month	

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