



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

NEWSLETTER –2nd Quarter 2017

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Greetings, members! We are pleased to be hosting our Jahn's Lecturer, Mr. Scott Anderson in May, a great presentation on debris flow barriers for June, and also we also have our joint meeting with the San Diego Geologic Society and South Coast for July. Please read on for further details!

Chapter Chair's Column

By Darrin Hasham

April 17, 2017

Greetings, AEG members!

Greetings to our Southern California AEG membership. We are underway into 2017 and have already had several great meetings and more great opportunities to participate coming. In addition to our regular dinner meetings many things are happening behind the scenes at AEG. In Sacramento, our lobbyist, Judith Wolen has been filtering through the numerous bills proposed by our State Legislature and provides us a filtered list of bills that may impact our industry. Each chapter in California receives this list as has an opportunity to provide comment on which bills they think may warrant closer following. More information will be provided as we digest this information coming from Judy. Also, our governing body, the Board for Professional Engineers, Land Surveyors, and Geologists (BPELSG) will be having a board meeting later this month, and AEG hopes to have several representatives from several California chapters in attendance.

We started off the year well in southern California with several exiting meetings; In January we held a meeting at Victorio's Restaurant in North Hollywood hosting Dr. Bruce Carter as our speaker. Bruce presented a very comprehensive analysis of a series of floods and related landslides on Santa Cruz Island. Dr. Carter is a retired professor of geology from Pasadena City College who has been an instructor to many of our members over his tenure. This relationship provided for an especially vibrant meeting.

In February we engaged in some experimentation with a new venue. We gathered at the Old Girumi Restaurant in Glendale for an elaborate Mediterranean feast. **Mr. Steve Miller**, product manager for retaining wall products at Jensen Precast drew on his vast experience to provide an insightful presentation describing some useful modular products. The highlight of Steve's presentation was videos made during product testing of trucks driving into barriers at high speed! The retaining systems survived, the trucks didn't fare so well. Cool stuff!

In March we participated in our first joint meeting of 2017, with ASCE at Stevens' Steak and Seafood in Commerce. The presentation was the ASCE-GI Cross USA lecture featuring Professor George Filz, Ph.D., PE. Dr. Filz presented on deep mixing methods for support of embankments.

Upcoming Chapter Meetings

We have some great speakers planned for upcoming meetings. In May we will be hosting the AEG Jahns' Lecturer. The meeting will be on Tuesday, May 23 at Victorio's in North Hollywood. Scott A. Anderson has been selected as AEG's Richard H. Jahns Distinguished Lecturer and this meeting promises to be informative and entertaining. We owe some gratitude to Kerry Cato of the Inland Empire chapter, who has been instrumental in coordinating the Jahns lecture tours for the past several years.

In June we will be hosting a joint meeting with ASCE at Stevens' Steak and Seafood in Commerce. We will have William Kane as our speaker who will present on "Mitigating Debris Flow Hazards on California Hillsides." This is a fresh topic following our recent rainy winter and many debris flows in the local mountains and foothills. The meeting will be on Tuesday, June 13th.

In July we have a very special event. We will be co-hosting a meeting with the San Diego Association of Geologist and the South Coast Geologic Society. This should be a big meeting and an opportunity to mingle with practitioners that you don't usually meet at the regular monthly meetings. This meeting will be held on Wednesday July 19th at El Adobe Restaurant in San Juan Capistrano. Mike Reader will be the speaker for the evening. More information will follow.

We are tentatively planning our annual field trip for October. We are still seeking volunteers to contribute material and present information on the Raymond Fault and related features.

By the time you read this you will have had the opportunity to cast a vote and select new officers for the Southern California Chapter. I apologize for the delay in sending out the ballot,

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I should have placed a higher priority on this order of business. We need to have responses back to Eldon by the end of the month. Thanks in advance for your participation.

-Darrin

Chapter Vice-Chair's Column

By Dean Francuch

April 17, 2017

Hi, I'm Dean Francuch and glad to be acting as Vice Chairperson for AEG-Southern California this year. I graduated from Cal State Northridge with a B.S. in Geology in 1987 and received my PG license and CEG certification in 1993. During my career, I have been actively involved from the "ground up," conducting and managing projects involving engineering geology and geotechnical engineering for residential developments and engineered facilities (landfills, mines, transportation and pipelines) for over 30 years. My experience includes working on both private and public-funded projects from small single-lot homes to 2000-acre master-planned developments. I have conducted numerous investigations to recognize active faults, landslides and other geologic hazards and have worked in the states of California, Montana, Colorado, Nevada, and Arizona. I have also spent a fair amount of time with groundwater well installation having worked on groundwater studies for landfills and industrial facilities, gaining knowledge of various drilling techniques and well construction methods. During my free time, I volunteer for the Fillmore & Western Railway in Ventura County, where I work as a locomotive engineer.

-Dean

Field Trip Guide, Hollywood-Santa Monica Fault Zone, 2015-2016

We are putting the final touches on the AEG Field Trip Guide, for our 2015 and 2016 field trips across the Hollywood and Santa Monica fault zones. We have asked our speakers to make their final changes and edits and email to Shant Minas, shant@aessoil.com, for inclusion into the Field Trip Guide, by April 30. We look forward to releasing the Field Trip Guide to our membership.

Proposed Raymond Fault Zone Field Trip, October 2017

Following our two very well attended and popular field trips along the Santa Monica and Hollywood fault zones, we are currently in the planning stages of a proposed field trip along the Raymond Fault Zone, which is considered the eastward extension of the Hollywood fault. So far we are happy to have two speakers confirmed: Eldon Gath, who will talk about faults encountered during their excavations for the proposed I-710 freeway tunnel extension; and David Perry, who encountered the fault in trenches at Luther Burbank School in Highland Park. Please email me if you have worked on the Raymond fault and would like to be a speaker.

shant@aessoil.com



Photo Caption: AEG SoCal Chair Darrin Hasham with January 2017 speaker, Dr. Bruce Carter, at Victorio's Restaurant.

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Please email shant@aessoil.com your most recent literature for your presentation, along with plates and graphs. If the attachment is too large, Dropbox will be fine. Thanks, and we hope to put the final field trip guidebook together 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.

AEG Annual Meeting, Colorado Springs, CO, September 10-17, 2017

We invite our members to register for the upcoming AEG 60th Anniversary National Meeting in Colorado Springs, Colorado, this September 10-17, 2017. It promises to be an excellent meeting with great field trips into the Rocky Mountains! Please see the attached brochure/flyer for more details.



Third North American Symposium on Landslides

Roanoke, Virginia, USA
June 4-8, 2017



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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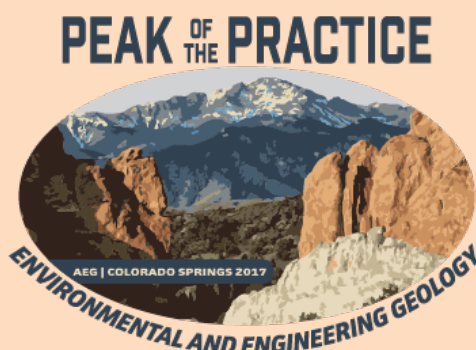
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Meet Industry Leaders

Don't miss this opportunity to identify career opportunities and network with potential employers.



**Call for
Technical Papers**
Abstract Deadline: May 1, 2017
Online submittal -
www.aegannualmeeting.org

Technical Sessions and Symposia

Technical Sessions:

- Transportation and Infrastructure Projects
- Geology and Industrial Minerals
- Landslide, Rockfall and Debris Flow Analysis and Remediation
- Geophysics and Remote Sensing
- Subsidence and Soil Behavior Hazards
- Stream and Surface Water Projects
- Environmental Characterization and Remediation
- Mine Waste and Water Management
- Environmental Geology
- Hydrogeology
- Rock Engineering and Rock Mechanics
- Materials Characterization and Ground Improvement

Symposia:

- Confronting Business Risks in Engineering Geology (Joel Carson, Geoprofessional Business Association)
- The Impact of Geology on Government Projects and Assets (Alex Strouth and Paul Santi)
- Resolving Complex Geologic Issues ... *using Geophysics?* (Phil Sirles and Doug Lambert)
- Sliding the Scale: Improving Communications and Public Policy for Landslide Hazards (Kevin McCoy, Cassandra Lindsey, Casey Dowling)
- Emerging Contaminants (Patty Bryan and Loren Lasky)
- The Impact of Geology on Flood Control and Water Storage Dams and Levees (Ed Friend and Brian Greene)
- Remote Sensing and GIS for Geohazards Assessment and Environmental Studies (Wendy Zhou)
- Land issues related to industrial minerals (Tom Newman for FGIM)
- Reclamation of industrial mineral extraction sites (Tom Newman for FGIM)
- Permitting of industrial mineral facilities (Tom Newman for FGIM)
- Landslide Hazards of Colorado Springs: What the General Public Needs to Know (Karen Berry, Colorado Geological Survey)



Volunteer
8 hours and receive
a complimentary
registration!

AEG's 2017 Annual Meeting

"Peak of the Practice"
September 10-16, 2017
Colorado Springs, Colorado
www.aegannualmeeting.org
for more details

AEG Student
Registration just
\$95

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 Preliminary Alquist-Priolo Maps from California Geological Survey

The California Geological Survey recently issued, on December 15, 2016, preliminary AP maps for the **Los Angeles, Mount Wilson and El Monte quadrangles**. These are likely to be adjusted over the coming months as practitioners and specialists chime in. But for now they are the basis for where fault studies need to be conducted along the Raymond fault zone. According to our correspondence with City of LA geotechnical reviewers, these state maps take precedence and supersede city maps.

Beverly Hills Quadrangle AP Map: We understand that the much-anticipated AP Map for the Beverly Hills quadrangle is in its final stages of development, and we all look forward to reviewing it and using it as a basis for our studies in west Los Angeles. Stay tuned for updates and check in with the CGS website.

Follow the link to download the maps, now available free online:

<http://www.conservation.ca.gov/cgs/rghm/ap>

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.

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/>

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, Angela Linder.

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

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- ½ Page \$100
- Full Page \$200

SoCal website posting only

\$20/month

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