

ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS

SOUTHERN CALIFORNIA SECTION, SAN DIEGO CHAPTER

"Serving Professionals in Engineering, Environmental and
Ground-Water Geology"



San Diego Chapter, July 2006 Newsletter



JULY MEETING NOTICE: TUESDAY, JULY 18, 2006. Social Period starts at 5:30 PM, talk at 6:30 pm. The meeting will be at the offices of Ninyo & Moore, 5710 Ruffin Road, San Diego. Dinner is buffet-style. Cost is \$20. Please contact Ashley Galland (agal-land@ninyoandmoore.com) to RSVP.

July's meeting features a presentation on "Rock-fall Analysis and Mitigation." by Dr. Jerry D. Higgins, Ph.D., PG. Dr. Higgins is the AEG/GSA 2006 Richard Jahns Distinguished Lecturer in Engineering Geology. In everyday life Dr. Higgins is Associate Professor of Engineering Geology in the Department of Geology and Engineering Geology at the Colorado School of Mines, Golden, Colorado.

SUMMARY OF JUNE'S MEETING (Notes by Jonathan Goodmacher, President)

June's meeting was organizational in nature and the topic was to discuss and prepare for the Technical Workgroup being formed between our organization and the San Diego County Department of Environmental Health, Site Assessment and Mitigation Division (SA/M). Several professionals volunteered to serve on this workgroup. Jim McLaughlin of Geocon has taken the lead on this and will serve as Co-chair of the Technical Workgroup. Jon Senaha of SA/M will function as the agency co-chair. A number of issues were raised and ranged from changing the permitting process to changing the requirements regarding backfilling large diameter borings and abandoning inclinometers. Jim will be providing more news on this in future newsletters



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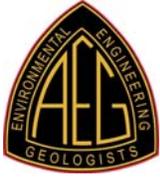
PRESIDENT'S MESSAGE:

As my term as President comes to a blessed end here (September 2006) I have taken the time to look back on our founding as generally successful (with some fits and starts). I recognize that there are a number of things that I could have done better and that we could have done better as a group to help geologic professionals in the San Diego area. I have had some feedback on how to change things from various members and have appreciated your ideas. However, it is nearly time for someone else to volunteer to move this group forward into the next year. Please contact myself or any of our board members if you have ideas on where to go and what to do for the AEG San Diego Chapter.

The AEG National Convention will be held in Los Angeles, September 24 through 28, 2007. The 50th Anniversary of the founding of the AEG will be celebrated at this convention. The committee organizing that convention has made quite a bit of progress. As of today we are looking at 25 half-day technical sessions and/or symposia. Different ideas for symposia include:

- Regulatory Reviews
- Paleoseismology
- Visioning the Future
- An unspecified environmental geology subject
- Levees
- Tunnels
- Landslide issues
- Coastal erosion issues
- An unspecified groundwater subject

Finally, although we as local group don't require membership to attend meetings I want to strongly recommend membership in the AEG. A recent survey of AEG members showed that the most important benefits they derive from AEG are technical publications and networking opportunities. AEG was considered most effective in disseminating timely, practical information through publications and meetings, and providing multiple avenues for networking with other professionals. Some of the specific benefits AEG offers you as a professional member include discounts on attendance at educational workshops, short courses, field trips, and technical sessions annual meetings, a subscription to the peer-reviewed Environmental and Engineering



AEG SAN DIEGO CHAPTER, JULY 2006 NEWSLETTER

"Serving Professionals in Engineering, Environmental and Ground-Water Geology"

Geoscience journal and the AEG News magazine, on-line job listings help in finding new career opportunities, reduced rates at Avis and Hertz car rental, access to a variety of health, dental and disability insurance programs through GeoCare Benefits. I am attaching an application for membership to this copy of the newsletter. However, you may also wish to visit the AEG national website at: www.aegweb.org.

UPCOMING SAN DIEGO AEG MEETINGS:

August 2006 (specific date TBD): Dr. Blayne Hartman of H&P Mobile GeoChemistry will tentatively join us to discuss laboratory testing of soil, groundwater, and soil vapor.

September 19, 2006: Dr. Thomas Rockwell of San Diego State University will present an overview of the neotectonics of the San Diego region. It will include work relative to the Agua Blanca Fault in northern Baja California and how there are ties northward along the coastal system of faults into Los Angeles basin. The Rose Canyon and related faults will be discussed in some detail, including the likely size of the past large earthquakes that have struck the San Diego area. There will be a brief discussion on long-term patterns of strain release and implications to near-term seismic hazard assessment.

FYI, we are always in need of interesting talks in the environmental and engineering geology arenas. Please send your ideas in to jgoodmacher@ninyoandmoore.com.

MEETINGS OF AFFILIATED GROUPS AND SAN DIEGO AREA SEMINARS/PRESENTATIONS/EDUCATIONAL OPPORTUNITIES

San Diego Association of Geologists (SDAG) July 19, 2006: SDAG's talk this month will feature Glenn Foss (currently with Palomar College) speaking on his experiences during the earlier years of the deep sea drilling program.

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



AEG SAN DIEGO CHAPTER, JULY 2006 NEWSLETTER

"Serving Professionals in Engineering, Environmental and Ground-Water Geology"

Weather Service. Topics include discussion of the threat of tsunamis in southern California and tsunami preparedness and response activities. Please see attached flyer for details.

The **Groundwater Resources Association of California** has several events coming up that may be of interest to the consulting community. A list is presented below. Go to www.grac.org for more information on these and other events.

GRA Course	<u>Model Calibration and Predictive Uncertainty Analysis Using PEST</u>	Sept 13-15, 2006 San Francisco
Annual Meeting	<u>GRA Annual Meeting</u>	Sept 20-22, 2006 San Diego
GRA Course	<u>Introduction to Groundwater and Watershed Hydrology</u>	October 2-3, 2006 Glendale, CA
Groundwater Contaminant Series No. 19	High Resolution Site Characterization and Monitoring	November 14-16, 2006. Long Beach, CA

NEWS FROM THE BOARD FOR GEOLOGISTS AND GEOPHYSICISTS

The State Board for Geologists and Geophysicists is proposing to change the Code of Professional Conduct. Presented below are web links to the notices regarding the proposed changes and the language of the proposed changes.

[Notice of Regulatory Changes;](#)

[Initial Statement of Reasons](#)

[Proposed Language](#)



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MISSION STATEMENT

The San Diego Chapter of the AEG subscribes to the national AEG's mission statement. The Association of Environmental & Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology.

AEG AND USEFUL LOCAL LINKS

- Southern California Section AEG: <http://www.aegsc.org/>
- National AEG: <http://www.aegweb.org/>
- San Diego Association of Geologists <http://www.sandiegoengineers.org>
- American Society of Civil Engineers, San Diego Geotechnical Group http://www.asce-sd.org/groups_geotech.asp
- San Diego State University, Geology Department <http://www.geology.sdsu.edu>

EMPLOYMENT

As a service to our members, AEG San Diego welcomes job postings - either for open positions or jobs wanted. Please contact Lee Vanderhurst (lvanderhurst@geotechnicsinc.com) for information on advertising in this newsletter. The cost for an ad is \$25 per month.

CHAPTER CONTACT INFORMATION

President	Jonathan Goodmacher	Ninyo & Moore	858.576.1000	jgoodmacher@ninyoandmoore.com
Treasurer	Steve Bradley	Tetra Tech EMI	619.321.6717	steve.bradley@ttemi.com
Newsletter Editor	Lee Vanderhurst	Geotechnics, Inc.	858.536.1000	lvanderhurst@geotechnicsinc.com

Tsunami



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

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

MEMBER BENEFITS

Networking, with colleagues at meetings, through technical publications and on the AEG web page, is a valuable professional development benefit because it allows a member to:

- ◆ Broaden and update technical, practical and business knowledge.
- ◆ Keep career paths open by assuring that the value, utility and scope of engineering geology is recognized in the scientific, technical, legal, and regulatory arenas.
- ◆ Explore numerous opportunities for career enhancement through contacts at technical meetings and in continuing education programs.
- ◆ Influence the profession of environmental and engineering geology as it serves society and as it is regulated.
- ◆ Establish the standards of the profession.

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AEG members receive our quarterly professional journal, *Environmental and Engineering Geoscience* and six-issues of the *AEG NEWS* as a regular dues benefit.

Members also enjoy a 20% “member discount” on all special publications, registration fees at meetings, short courses and field trips.

PROFESSIONAL DEVELOPMENT

*AEG -- Serving Professionals in
Environmental, Ground-Water and
Engineering Geology since 1957*

- ◆ AEG sponsors workshops and short courses for which official Continuing Education Units are offered.
- ◆ AEG encourages its members to participate in activities of mutual interest with other societies and organizations.
- ◆ The annual Richard H. Jahns Distinguished Lecturer in Engineering Geology is co-sponsored by AEG and the GSA Engineering Geology Division.
- ◆ AEG members make presentations and lead field trips for students at all levels.
- ◆ AEG’s Technical and Professional Practice Committees keep the Association in a position of influence through their wide-ranging activities.
- ◆ AEG’s 25 Sections and 20 Student Chapters provide educational and networking opportunities for members through regular meetings, field trips and local newsletters.
- ◆ Students compete for scholarships and awards, and interact with practicing professionals.
- ◆ Short courses, field trips, and technical sessions provide opportunities for AEG members to enhance their professional practice.
- ◆ International members are found in more than 20 countries and Designated Correspondents enhance technology transfer among more than a dozen countries.

MEMBERSHIP APPLICATION

ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS



The Association of Environmental & Engineering Geologists (AEG) is an international, non-profit scientific and technical society, whose 3,000 members include geologists specializing in engineering geology, environmental geology, and ground-water geology as well as other professionals in affiliated fields such as civil and mining engineering, land-use planning, public policy and education.

Through its technical and professional activities, AEG strives to promote the value and importance of geologic practice in:

- ◆ detecting, containing, and remediating contaminated soil and ground water;
- ◆ recognizing and mitigating hazardous geologic processes to promote public safety and welfare; and
- ◆ siting, planning, designing, constructing, and maintaining engineered works.

Check Us Out
www.aegweb.org

MEMBERSHIP REQUIREMENTS

MEMBER: Applicants for Member Class shall hold a degree in geology, engineering geology or geological engineering, or a degree in a related professional field with 30 semester-hours of credit in the geosciences. In addition an applicant shall be practicing in the field of Engineering Geology, Environmental Geology or Hydrogeology. Annual Dues for new (first-time) Members = \$75.00 per year for the first three years of membership. Otherwise Annual Dues = \$105.00. Applicants who qualify for Member Class, but are engaged in full-time teaching at the Primary or Secondary (K-12) level are eligible for Teacher Status (Annual Dues = \$35.00).

AFFILIATE: Applicants for Affiliate Member Class shall be scientists or engineers who work with engineering geologists; teachers engaged in middle-school and high school Earth Science education; or persons interested in engineering geology. Annual Dues = \$70.00 (Teacher Dues = \$35.00)

STUDENT: Applicants for Student Member Class shall be full-time students enrolled in an academic program in the geosciences or in a related field in engineering. Annual Dues = \$25.00

INTERNATIONAL: Applicants shall hold the same requirements as for Member Class, but may select from the following dues schedule: \$35, which includes the *Environmental and Engineering Geology Journal*; \$45 with the *Journal*, the *Annual Directory* and the *Annual Meeting Abstracts*; or \$55 with the *Journal*, *Annual Directory*, *Annual Meeting Abstracts* and the *AEG News*.

AEG memberships are based on calendar year. Applications received after October 1 will be entered for following calendar year.

APPLICATION FORM

Please complete this form and mail it with your Annual Dues payment to the Association's Headquarters office for processing. New member applicants do not pay Section dues for their initial year of membership.

Name: _____
(Please print your name as you would like it shown on your membership certificate.)

PREFERRED ADDRESS: _____

WORK PHONE: _____ **FAX:** _____

PREFERRED E-MAIL: _____

Second Address: _____

Home Phone: _____

DESIRED CLASS OF MEMBERSHIP: _____ **ANNUAL DUES AMOUNT:** _____

CERTIFICATION: _____

(Signature)

My signature attests that, to the best of my knowledge, I meet the academic and practice requirements for the membership class I have requested and that all entries on this application are true and correct. I also authorize AEG to charge my credit card for the dues payment, if I selected the credit card payment option.

Enclosed is my check for the amount of Annual Dues of \$ _____

Credit Card Payment Option

Discover Master Card Visa Amount of Dues to be charged to my card = \$ _____

Card Number: _____ Expiration Date: _____

SUBMISSION: Send this form with your check or credit card authorization to:
Association of Environmental & Engineering Geologists, PO Box 460518, Denver, CO 80246
Phone: 303-757-2926: FAX: 303-757-2969: AEG Web: www.aegweb.org