



ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS

SOUTHERN CALIFORNIA SECTION, SAN DIEGO CHAPTER

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

San Diego Chapter, May 2006 Newsletter

MAY MEETING NOTICE: WEDNESDAY, MAY 16, 2006. Social time starts at 5:30 PM, talk at 6:30 pm Dr. Peter Robertson of the University of Alberta and Gregg Drilling will present CPT and related technologies and their uses in environmental and geotechnical applications. Dr. Robertson has more than 30 years of experience in geotechnical engineering in both private industry and academia. He was the Chief Engineer for a geotechnical consulting firm in Hong Kong where he was involved in major soil and rock slope stability studies and design of deep foundations and large excavations. Dr. Robertson's research and development work has centered on in-situ testing techniques and their application to geotechnical engineering. Major areas of application have been soil liquefaction, earthquake analyses and soil structure interaction problems. He is also a co-author of a major text book on Cone Penetration Testing. In addition, he has published over 200 technical papers and has presented more than 50 specialty short courses and seminars to geotechnical professionals in North America, Europe and Asia. The meeting will be at the offices of Ninyo & Moore, 5710 Ruffin Road, San Diego, CA. Please contact Ashley Galland (agalland@ninyoandmoore.com) to RSVP. Dinner is buffet-style. Cost is \$20.

PRESIDENT'S MESSAGE:

The 2007 AEG National Convention will be held in Los Angeles. The 50th Anniversary of the founding of the AEG will be celebrated at this convention. This will be probably the biggest meeting in the group's history. I mistakenly volunteered to help with the planning (I have a congenital defect that causes me to raise my hand uncontrollably). The group is in need of ideas for:

- Short courses to be offered at the meeting. At this time short courses on geostatistics, geophysical techniques, age-dating techniques, and landslides will probably be offered.
- Fieldtrips held in conjunction with the meeting. Got any good ideas?
- Finally, AEG will be presenting an annual award for outstanding projects in environmental or engineering geology.

If you have ideas please contact me (jgoodmacher@ninyoandmoore.com). FYI, the 2007 convention is scheduled for September 24 through 28, 2007. It will be held at the Sheraton Universal Hotel (near Universal Studios).

UPCOMING SAN DIEGO AEG MEETINGS: Closer to home... We are always in need of interesting talks in the environmental and engineering geology arenas. Please send your ideas in to me (jgoodmacher@ninyoandmoore.com). Right now we have on tap Dr. Jerry Higgins to speak on "Rockslides" in July and Dr. Blayne Hartman to speak on "Environmental laboratory analyses" in August or September.

On a related topic we (local members) need to think about organizational continuity. The term of the current officers ends in September and we will be soliciting volunteers and input from the membership. Please think about participating. As President I probably spend about 4 or 5 hours a



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month in organizing and planning. It's not a major commitment of time and is a good way to maintain and develop contacts within the community of consultants.

MEETINGS OF AFFILIATED GROUPS AND SAN DIEGO AREA SEMINARS/PRESENTATIONS

The Grant Institute's Grants 101: Professional Grant Proposal Writing Workshop will be held at San Diego State University, June 7 - 9, 2006. Interested development professionals, researchers, faculty, and graduate students should register as soon as possible, as demand means that seats will fill up quickly. All participants will receive certification in professional grant writing from the Institute. For more information call (888) 824 - 4424 or visit The Grant Institute website at <http://www.thegrantinstitute.com/>.

San Diego Association of Geologists Announces Call for Papers For the SDAG 2006 Annual Field Trip Guidebook: Southern Anza-Borrego Desert and Coyote Mountains, California
SDAG seeks new manuscripts based on original work in the broad fields of regional geology, tectonics, neotectonics, hydrogeology, paleontology, engineering geology, petrology, geothermal resources, geomorphology, paleoclimatology, mining and mineral resources, landslides, and related fields. Articles on any facet of the natural or cultural history of Anza-Borrego Desert State Park, Carrizo Marsh, Coyote Mountains, Yuha Basin, Valley of the Moon, Superstition Mountains, and vicinity are also welcome. Anza-Borrego Desert State Park and the surrounding area contain a broad spectrum of geologic and other natural features worthy of National Park status. We will explore the faulting and structural complexity of the northwestern Coyote Mountains, descend into the Borrego Badlands for a visit to the Mio-Pliocene fossil beds, venture into the mud caves of Arroyo Tapiado, and ponder the mysteries of The Domelands. The field trip stops have not been finalized. However, we plan to camp, probably near the Coyote Mountains or at Agua Caliente Campground. Meals will be provided. Carpooling is strongly recommended. For more information, please call Dave Bloom at 619-571-3470. **Deadline for submission of titles has been extended to May 19, 2006.** Please submit the title, authors and affiliation, and address, e-mail, and telephone and fax numbers for the corresponding author information when submitting titles. Submit title by e-mail to vp@sandiegogeologists.org **Deadline for submission of abstracts is still May 9, 2006.**

Rules and Regulations for Geological Studies: Continuing Geology Education Series, UC Riverside, University Extension Services, The Association of Engineering Geologists (Inland Empire Chapter) and the Inland Geological Society are co-sponsoring a short course centered on regulatory issues that practicing geologists and geophysicists must face in some day-to-day work. This is being scheduled and assisted in cooperation with the Department of Earth Sciences, University of California, Riverside. 9:00 am to 4:15 pm, Saturday May 20, 2006. For information: Phone; 951/827-5804, FAX 951/827-7374, e-mail; science@ucx.ucr.edu, or web; www.extension.ucr.edu



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FROM THE SECTION CHAIRMAN (REPRINTED FROM SECTION NEWSLETTER)

Below is a message from the Southern California Section Chair of AEG. It addresses issues and concerns that affect those of us with registration here in the State of California. A large percentage of our group is not a member of the AEG and don't receive the Section Newsletter. All are encouraged to join the AEG as this is one example of the kinds of issues that are tracked by the group. Here is Charles Nestle's message:

On Monday, April 24, Judy Wolen (AEG's Lobbyist) reported that earlier in the day SB 1849 passed through the Assembly Business and Professions Committee by a vote of 4-0. This bill originally had language eliminating the California Specific Exam as a requirement for State licensure as a Geologist, but as a result of extensive lobbying from the three California Sections of AEG and others, was amended to reinstate the CSE (all references to amending geologic licensure requirements were stricken). SB 1476 passed 3-0 extending the Board of Geologists and Geophysicists to 1/1/2010 and the Board for Professional Engineers and Land Surveyors to 1/1/2012. Amended language for both of these bills is available at: <http://www.leginfo.ca.gov/bilinfo.html>

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.sandiegogeologists.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. As an incentive your ad posted in the San Diego Chapter Newsletter is included in the version of the newsletter posted on the Southern California Section website. A check for \$25 made out to the San Diego AEG



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should also be mailed to Steve Bradley, AEG San Diego Treasurer, Tetra Tech EMI, 1230 Columbia St., Ste. 1000, San Diego, CA 92101.

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

Note from the Secretary: Don't shoot the messenger...



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*The Deep Foundations Institute Augered Cast-in-Place Pile
Committee Presents Two Events*

Deep Foundations Institute
326 Lafayette Avenue
Hawthorne, New Jersey 07506



Register online at www.dfi.org



Augered Cast-in-Place Pile Short Course & Specialty Seminar



May 4-5, 2006

Radisson Hotel at LAX

Los Angeles, California

In Cooperation With:

- AEG
- ASCE Los Angeles Section Geotechnical Group
- ASCE San Francisco Section Geotechnical Group
- CSI Los Angeles
- Geo-Institute of ASCE
- SEA of California
- SEA of Southern California



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Thursday, May 4th Short Course Program*

- 8:00 - 8:30 Registration/Speakers Prep/Exhibitor Set-up
- 8:30 - 8:40 Welcome: Introduction to Program & Instructors:
Willie NeSmith, P.E., Berkel & Company
Michael Moran, Cajun Constructors
Matthew Meyer, P.E.
Langan Eng. & Env. Services Inc.
- 8:40 - 10:15 **Part 1:** Introduction – Historical Perspective, Terminology, Course Organization
Part 2: Installation Processes and Equipment
- 10:15 - 10:30 Break & Exhibits
- 10:30 - 12:00 **Part 3:** Pile Materials
Part 4: Effects of Pile Installation on Performance
Part 5: Design – Axial Design of ACIP Piles in Fine-Grained and Granular Soils, and Intermediate Geo-materials
- 12:00 - 1:00 Lunch
- 1:00 - 2:30 **Part 5 Continued:** Design – Axial Design of Drilled Displacement Piles
Part 6: Lateral and Seismic Issues – ACIP and DD Piles
Part 7: Geotechnical Characterization
Part 8: Specifications
- 2:30 - 2:45 Break & Exhibits
- 2:45 - 4:00 **Part 9:** Inspection
Part 10: Automated Monitoring Equipment
Part 11: Load Testing
Part 12: Non-destructive Testing
- 4:00 - 4:30 Panel Discussion: All Presenters Question & Answer
- 4:30 - 5:00 Exhibitor Breakdown



Friday, May 5th Seminar Program*

- 8:00 - 8:30 Registration/Speakers Prep/Exhibitor Set-up
- 8:30 - 8:40 Introduction, Program Moderator:
Chris Shewmaker, Richard Goettle, Inc.
- 8:40 - 9:00 Historical Perspective on ACIP Piles
Willie NeSmith, P.E., Berkel & Company
- 9:00 - 10:15 Installation & Design of ACIP Piles
Dan A. Brown, PhD, Auburn University
- 10:15 - 10:30 Break & Exhibits
- 10:30 - 11:15 ACIP Pile Inspector's Video CD-ROM
- 11:15 - 12:00 ACIP and Drilled Displacement (DD) Pile Quality Control – *Rudolph P. Frizzi, P.E.*
Langan Eng. & Env. Services Inc.
- 12:00 - 1:00 Lunch
- 1:00 - 1:30 Extensive Static & Dynamic Load Test Program on ACIP Piles at U.C. Davis Medical Center
Camilo Alvarez, MS, PE, GRL Engineers Inc.
- 1:30 - 2:00 ACIP Load Test Program for the Solano County Government Center
Kenneth G. Sorensen, Kleinfelder
- 2:00 - 2:30 Orange County Advanced Water Treatment Facility: A Case Study of the Design & Application of Drilled Displacement Piles
Gordon King, Morris Shea Bridge Company
- 2:30 - 3:00 Drilled Displacement Pile Load Test Program, MacArthur Place, Santa Ana
W. Morgan NeSmith, Jr., Berkel & Company
- 3:00 - 3:15 Break & Exhibits
- 3:15 - 3:45 Deep Foundations Aspects of the Playa Vista Development, Los Angeles
Michael D. Reader, RCE GE
Group Delta Consultants
- 3:45 - 4:15 Consideration of Drilled Displacement Piles for Liquefaction Mitigation
Timothy C. Siegel, Berkel & Company
- 4:15 - 4:45 Panel Discussion: All Presenters
- 4:45 - 5:45 Adjourn/Cocktails: Meet & Greet
- 5:45 - 6:15 Exhibitor Breakdown

***Program Subject to Change**



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Come Informed!

DFI is offering the following Augered Cast-In-Place Piles publications at a discounted rate to attendees:

Augered Cast-in-Place Piles Manual, Second Edition, 2003 (Discounted Price: \$8.00)

This model specification addresses current trends in ACIP Pile construction and quality control, including the use of increased ACIP pile diameters and lengths to sustain significantly higher load carrying capacities, and the challenges associated with the use of grout and reinforcement necessary to sustain such higher loading. The Guideline Specification has been arranged to more closely match the format typically utilized in project specifications.

Inspector's Guide to Augered Cast-in-Place Piles, First Edition, 1994 (Discounted Price: \$8.00)

This manual summarizes the requirements expected of all parties concerned in the successful installation of these piles. Step by step installation procedures, construction equipment and inspection tools are discussed along with the common potential problems. Sample inspection forms are provided.

Augered Cast-in-Place Piles Installation Video, VHS, 1998 (Discounted Price: \$25.00)

Describes the installation of augered cast-in-place piles, including the various pieces of equipment and materials used in construction. Contains animation of drilling through a layered subsurface, grouting of the pile and installation of reinforcing steel.

Inspector's Guide to Augered Cast-in-Place Piles Video, VHS, 2000 (Discounted Price: \$25.00)

Describes the techniques used in the inspection of augered cast-in-place piles to augment the Inspector's Guide to Augered Cast-In-Place Piles publication. This video is primarily intended for contractors, geotechnical consultants and their inspectors.

Inspector's Guide to Augered Cast-in-Place Piles CDR & Viewable PDF (Discounted Price: \$40.00)

CD contains Quicktime Video, Inspector's Guide in Adobe PDF, Quicktime Install, Adobe Reader Install. Windows and Mac platforms supported. Video describes the techniques used in the inspection of augered cast-in-place piles.

Proceedings of Past Augered Cast-in-Place Pile Seminars, 1997-2005 (Discounted Price: \$25.00 each)

Each proceedings includes technical papers presented at that year's seminar, including information on installation, quality control and case histories.

To receive publications before the seminar, get your registration into DFI HQ by April 10th!

Event Information:

DFI Augered Cast-in-Place Pile Short Course & Specialty Seminar

Sponsored by the Augered Cast-in-Place Pile Committee

May 4-5, 2006

Radisson Hotel at Los Angeles Airport
Los Angeles, California

Exhibit Tables* Available Both Days!

Table-top materials only. No standing displays.

- Ship direct to Hotel.
- Exhibit your materials/information.
- Ship out.

Contact DFI at (973) 423-4030 for Information.

**All persons tending Exhibits must be registered in full.*

Course Exhibitor Registration Fee

Covers one 6'x2' skirted table, two chairs, one attendee, breaks, lunch, registration materials, and handout binder:

Seminar Exhibitor Registration Fee

Covers one 6'x2' skirted table, two chairs, one attendee, breaks, lunch, reception, registration materials, and bound 2006 seminar proceedings.

Course Attendee Registration Fee

Covers attendance of event, breaks, lunch, registration materials, and handout binder:

Seminar Attendee Registration Fee

Covers attendance of event, breaks, lunch, reception, registration materials, and bound 2006 seminar proceedings.

Professional Development Hours

Attendees will receive a certificate verifying 6 Professional Development Hours (PDH)* for each day attended.

**The record keeping and determination of acceptability of DFI Professional Development Hours by state or government licensing bodies is the responsibility of the individual.*

Hotel Reservations

Radisson Hotel at Los Angeles Airport
6225 W. Century Blvd.
Los Angeles, CA 90045
Hotel Direct: 310-670-9000
Toll Free: 800-333-3333

Specify **DFI 2006 ACIP Course & Seminar** for special \$100 Room Rate! This rate is discounted for DFI attendees and is subject to availability. Cut-off date is Wednesday, April 12th.



Registration:

Augered Cast-in-Place Piles

Mail or Fax (with credit card information) to:

Deep Foundations Institute E-mail: staff@dfi.org
326 Lafayette Avenue Tel: 973.423.4030
Hawthorne, NJ 07506 Fax: 973.423.4031

Name: _____

Suffix (Jr., III) _____ Pro (P.E., PhD): _____

Organization: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: _____ Fax: _____

E-mail: _____

Organization Type:

- Contractor Engineer Services
- Material/Equipment Supplier Educational

Member of*:

- DFI CGS Geo-Institute
- SEA of California CSI Los Angeles
- AEG ASCE San Francisco
- ASCE Los Angeles

* If you are a member of one of these organizations, please
choose the member registration rate indicated in the next column.



Register for Course, Seminar or both events below:

Thursday, May 4th Short Course

- Non-Member Registration \$325.00
- Member Registration \$275.00
- Course Exhibitor Registration \$600.00
*Includes one attendee registration and one 6'x2' table.
Table top displays only – no standing displays!*
- Student Registration \$50.00
Does not include 2006 seminar proceedings

Friday, May 5th Seminar

- Non-Member Registration \$325.00
- Member Registration \$275.00
- Seminar Exhibitor Registration \$600.00
*Includes one attendee registration and one 6'x2' table.
Table top displays only – no standing displays!*
- Student Registration \$50.00
Does not include 2006 seminar proceedings
- DFI Individual Membership \$75.00 (first year)*
**Through Dec. 2006*

Come Informed!

Special Publication rates for seminar attendees:

- ACIP Pile Manual \$8.00
 - Insp. Guide to Augered CIP Piles \$8.00
 - Insp. Guide to Augered CIP Piles Video \$25.00
 - Insp. Guide to ACIP Piles Video/Manual on CD \$40.00
 - Installation of Augered CIP Piles Video \$25.00
 - Past ACIPP Seminar Proceedings (1997-2005) \$25.00 ea.
- Indicate which year(s): _____

Total: \$ _____

- Payment By: Check or Money Order Enclosed
- VISA Amex
 - Discover Diners Club MasterCard

Credit Card No: _____

Expiration Date: _____

Name on Credit Card: _____

Signature: _____

Register online at www.dfi.org

**Sorry, No Refunds after
April 21, 2006**