



Newsletter

Inland Empire Chapter News

Southern California Section, Association of Environmental and Engineering Geologists

January 10, 2006. (30-Dec-05)

Vol. 2, No. 1

Sixty years of the CPT - How far have we come ?

Cone Penetration Test (CPT) and illustrated recent developments and applications

Wednesday 18-Jan-2006

5:30 - 6:30	Geologist Orientation	Restaurant Bar/Banquet Room
6:30 - 7:15	Dinner	Banquet Room
7:15 - 8:30	Meeting	Banquet Room

Marie Calenders Restaurant, Redlands

Banquet Meeting Cost: \$18

(Other orders at your discretion)

(Fund-raising donation suggested is \$5.00, or more)

(RSVP/Directions below)

Dear AEG Members:

Meeting location details and directions are found inside this Newsletter, as well as other news potentially of interest to you.

RSVP Please by Thursday, close of business or before January 12, 2006:

Send e-Mail; RSVP to Rick Gundry at rick.Gundry@verizon.net, by COB 12th-Jan or call RSVP message at (951) 924-6756).

This Month's Speaker:

" Sixty years of the CPT - How far have we come? "

Dr. Peter K. Robertson, Chief Executive Officer, Gregg In Situ, Inc., Professor of Geotechnical Engineering, University of Alberta, Canada, Technical Director for Gregg Drilling and Testing, Signal Hill, CA.

Brief Talk Overview

The talk provides a brief overview of the history of the Cone Penetration Test (CPT) and illustrated recent developments and applications. The talk can be of interest to a wide range of geologists and engineers.

Speaker Historical Biography

Peter Robertson, Ph.D., and Chief Executive Officer, Gregg In Situ, Inc., is on sabbatical from

the University of Alberta, Dr. Robertson has joined the Gregg In Situ team in our Southern California location. Acting in a technical and management role, Dr. Robertson will work closely with our research and development team to ensure Gregg is always at the forefront of innovation in our industry.

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 most recently served as a Professor in the Department of Civil and Environmental Engineering at the University of Alberta, Associate Vice-President (Research) of the University, and the Director of the Industry Liaison Office for the University.

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.

At Gregg In Situ, Dr. Robertson will provide valuable technical and management advice and assistance. Dr. Robertson will also be available to Gregg clients to provide in-house seminars on selected topics as well as lead our annual CPT/In Situ Testing short courses.

Message from the President

Thanks to the 17 Professionals that attended the December 21, 2005, meeting in Corona, as follows:

Eric Patchull, Student Member (CSU-Fullerton, and Delta Environmental; **Anthony Martin**, GEOVision Geophysical Services, Inc.; **Roy Shlemon**; Association of Environmental and Engineering Geologists; **Richard Orr**, Leighton and Associates, Inc.; **Dave Gaddie**, AMEC; **Frank Jordan**; Gary Rasmussen and Associates, Inc.; **Gary Wallace**, RMA Group; **Rick Gundry** U.S. Bureau of Indian Affairs; **Doug Cook**, Sladden Engineering; **Scott Mathis**, Leighton and Associates, Inc; **Mike Cook**; Kleinfelder and Associates, Inc.; **Mark Spycerman**, Easth Systems Inc.; **Dave Jones**, Riverside County Building and Safety; **Vicent J. Pohl**, Construction; **David Perry**, Mactec; **Jeff Keaton**, Mactec; **Mike Sorgenfrei**, Eberhart Consultants.

Details of that meeting are posted on the web-site Calender for December. Please see AEG Inland Empire Chapter web-page at AEG Southern California Section Web-site:
<http://www.aegsc.org/chapters/inlandempire/> .

Treasurer's Report: Beginning 2nd Half Yr

Mid-Year AEG Fiscal Year Chapter Balance ending 31-Dec-05 is \$1,912.69. Thanks Donors!

AEG Approved Short Courses and Workshops - Initial Report of Survey

At the previous two meetings, supported with e-Mail to all recipients of the Chapter mail, a survey was made based on responses. Four responses were made. Here is a listing of the courses where respondents indicated there were 3 or more interested. (A more thorough report will be sent by separate mail soon, but if others would like to add their choices, now is the time to do so.)

- Advanced Slope Stability Analysis
- Applications of Block Theory to Slope Stability Problems in Block Ground

- Applied Rock Slope Engineering
- Practical Rock Slope Engineering (Advanced)
- Rock Slope Engineering for the Practitioner
- Understanding and Apply Probabilistic Seismic Hazard Analysis

There were twelve other courses where two respondents had interest, and 6 other courses of interest by only one respondent. In sum, there was a terrific amount of interest from 4 respondents, in no situation were there 4 of 4 respondents having interest in the same course, and with 3 respondents having interest in 6 courses.

The Chapter will soon contact the appropriate entities to have the courses here in the inland southern California area. Please respond if you are interested in these courses, or courses listed in my message dated 11-Nov-05. Please contact Rick Gundry if you have any questions or need a copy of the AEG Approved Short Courses and Workshops listing: rick.gundry@verizon.net

Future Meetings

FEB Wednesday FEB 15, 2006 Temecula
 - Country Garden
“Phase I Environmental Assessments and the New AAI Standard”
 ___ Jim Madden, PG, REA, CEM, Associate Geologist, Leighton and Associates, Inc., Temecula.

MAR Thursday MAR 2, 2006 Ontario
 - Marie Calenders
“Evolution of the deep crust and upper mantle beneath the southern California region”
 ___ Dr. Jason Saleeby, Professor, California Institute of Technology, Pasadena, California

APR Wednesday APR 12, 2006 Temecula
 - Marie Calenders/California Grill(?)

“Artificial recharge through a thick, heterogeneous unsaturated zone along Oro Grande Wash, western Mojave Desert, California”

___ Dr. John A. Izbicki, U.S. Geological Survey, Water Resources Division, San Diego, California

MAY Wednesday MAY 17, 2006 Colton/SnBrdo?
 - (location to be decided)

“Dealing with uncertainty regarding the chemistry of drinking water wells – an example from the City of Riverside”

___ Dr. Matt Werner, Sr. Project Director, Earth Tech, Long Beach, California (part of focus is perchlorate anion)

JUNE Wednesday JUN 21, 2006 Temecula
 - (location to be decided)

‘Stringfellow (West Riverside)’ (subject)

___ Jo Aldern, Kleinfelder and Associates, Inc.

Note: Speaker suggestions ? contact R. Gundry

Meeting Directions/Location

The meeting site is located in the City of Redlands near but west of downtown Redlands, south of the I-10 Freeway and immediately west of ‘Tri-City Center’ (and just west of Calif. Hwy 30/I-10 interchange). This location is off Alabama Street south of I-10 not but a block or so south (north of Redlands Boulevard and W. Redlands Boulevard intersection), and north of the rail-line. There are many routes to get there.

Marie Calenders Family Restaurant
 1625 Industrial Park Avenue
 Redlands, CA 92374-2830
 (909) 793-0988

Proceeding East on I-10 heading east towards Redlands, pass Tennessee and California offramps to Alabama Street offramp and EXIT. Turn right (South), proceed south and immediately turn right on Industrial Park Avenue. Proceed westerly to immediately turn in to Marie Calender Parking Area.

Proceeding West on I-10 heading west towards Redlands, pass by the Calif. Hywy 30/I-10 interchange to EXIT and go South on Alabama Street (see above directions).

Proceeding south on I-15 from the high desert, take the I-215, then when approaching San Bernardino, take Calif Hywy 30 freeway EAST to I-10 in Redlands, to turn WEST on I-10, and immediately exit on Alabama Street SOUTH, and follow directions above.

Proceeding from LA area on I-210 ? Consult a map, but option is to take the unbuilt part of the road to San Bernardino, and get on the Cal Hywy 30 east to Redlands at I-10, and follow directions above; OR, get to I-15 or I-215 and take I-10 East through San Bernardino towards Redlands and follow the directions above.

Proceeding from Orange or Los Angeles Counties on the U.S. 60 or 91 freeways, or if proceeding north on I-215 towards San Bernardino from the areas of southwestern Riverside County, continue to Riverside, and proceed north to I-10, to transfer to on I-10 heading EAST towards Redlands, and follow directions above.

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Jeffrey R. Keaton, Ph. D., Senior Principal Engineering Geologist, MACTEC Engineering and Consulting, Inc., Los Angeles, California

Robert Riha, Manager, Leighton Consulting, Temecula, California

We are continuing to seek sponsors in our inaugural year, as we only were a fiment of imagination late last March 2005.

The distinguishing point is donations that recognize interest and generosity building foundational financial support to the Inland Empire Chapter in this inaugural year. And, ones that certainly take an immediate, bold and positive step. A solid contribution or donation if \$50.00 or more is **Petras Sponsor**. Other, smaller donations are requested, and are as important. All donors will be recognized. New categories of Sponsors are **Silver Petras Sponsor** (\$250 or more); **Gold Petras Sponsor** (\$500 or more); and **Platinum Petras Sponsor** (\$1,000 or more).

If you would like to make a foundational donation, please send them to the address listed in this Newsletter