



LOS ANGELES SECTION, REGION 9
San Bernardino & Riverside Counties Branch – Geotechnical Committee
FOUNDED 2010

COMMITTEE MEMBERS

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February Presentation

ASCE Inland Empire Geotechnical Committee

Sponsor Presentation:

Hayward Baker

By Tim Avery



Grouting, Ground improvement, Structural Support, Earth Retention. These are just some of the services Hayward Baker provides. Their experience in design and construction of geotechnical construction services spans more than six decades. The Hayward Baker suite of techniques, equipment, and experience is comprehensive and is packaged to create the most effective and economical solution.

Hayward Baker provides projects with the support necessary to withstand challenging conditions, forces from earthquakes and hurricanes, from sinkholes to landslides, in and around mountains, deserts, cities, suburbs, riverbeds, and shorelines. Hayward Baker addresses all of these, safely completing work on budget and on schedule.

The size of a project is not the defining motivator at Hayward Baker. Sharing in the client's satisfaction of a geotechnical construction job well done is what drives us. Large or small, complex or simple, every subsurface problem is one to understand and resolve

Informational Presentation:

Upcoming Regional Geotechnical Conferences

By Bill Kitch, PhD, PE, Assoc. Professor at Cal Poly Pomona



Bill Kitch will provide information about the upcoming GEO-CONGRESS in Oakland and the Queen Mary Event in Long Beach. These events will be very significant in the development of a geotechnical engineer as a lot of information is presented in these conferences. Do not miss this opportunity to ask any questions or address any concerns that you may have about these conferences.



Technical Presentation:

Overview of Geophysics Used for Design of Natural Gas Pipelines and for Detection of Subsurface Voids at an Underground Gas Storage Facility

Jeffrey R Keaton, PhD, PE, PG, D.GE, Senior Principal Engineering Geologist, AMEC

Near surface geophysical measurements are becoming more readily available to the geotechnical engineering field and are powerful tools for subsurface characterization. However, many practitioners are unfamiliar with the use of these tools. This overview of geophysics is designed to demonstrate how these tools are being used in practice today. The presentation will discuss two types of projects: design of natural gas pipelines and surveys of an underground gas storage site that had integrity failure of a gas injection/withdrawal well. Seismic methods used for natural gas pipeline projects consisted of seismic refraction surveys for evaluation of rock excavation requirements and detecting the depth to ground water in alluvial sediments, and refraction-microtremor surveys for estimating shear-wave velocity profiles for liquefaction analyses. Electrical methods and seismic methods used for void detection at the gas storage facility consisted of electrical resistivity and shear-wave reflection surveys. Downhole compression- and shear-wave velocity profiling was performed in a bore hole to allow a translation of two-way travel time of seismic energy into depth below the ground surface for interpreting the reflection results.

Date: February 8, 2011
Time: 6:00 - 6:30 PM Registration and socializing
6:30 - 7:00 PM, Dinner
6:45 – 7:00 PM, Sponsor presentation
7:00 – 7:15 PM Informational presentation
7:30 – 8:30 PM Technical presentation

Location: Zendejas Mexican Grill,
8106 Milliken Avenue, Rancho Cucamonga

Cost: \$30 members w/ RSVP
\$35 non-members or no RSVP
\$10 students

Registration and Additional Info: RSVP by February 6, 2012 to Maihan at: mnoorzay@gmail.com