

## MESSAGE FROM THE PRESIDENT

By now you have received the Drilled Pier Design Practice Survey. This effort was started about a year ago and thanks to Craig Colby for volunteering to lead this subcommittee. As we prepared to release the update survey, there was considerable discussion about the format. One idea that was presented involved a multiple choice format with questions to capture both technical and business related trends associated with our practice. Eventually the board reached a consensus that the update should be released in a format that was similar to the original survey. This was based on the objective to focus only on updating the 1999 survey rather than creating bias by introducing new questions or different subsurface profiles.



We recognize some engineers may judge the survey to have insufficient information. If this is the case, these conclusions will be noted in the summary document. Additionally, we would encourage respondents to indicate why the information is insufficient or what information would be necessary and, where possible, make an assumption regarding the missing information and complete the design. This will provide valuable data to suggest changes in the practice.

At the conclusion of this drilled pier design practice update, the board is considering a new survey that can provide a perspective on geotechnical practices in Colorado. For example, there have been suggestions to identify the percentage of firms performing geotechnical services in different markets, the use of various laboratory and field tests, and business and contracting practices. Stay tuned...

In the meantime, get your golf clubs ready because the CAGE golf tournament is coming soon. Now is the time to pick your drinking buddies/foursome. We will be sending registration and sponsorship information soon.

If you have any suggestions, please contact me or anyone else on the CAGE board.

I look forward to seeing you at the March meeting.

A handwritten signature in blue ink, appearing to read 'Mark Vessely'. The signature is written in a cursive style and is positioned above a light blue rectangular background.

Mark Vessely, P.E.  
mjv@shanwil.com

## RECOMMENDED READING LIST

“Evaluating Excavation Support Systems to Protect Adjacent Structures.” The 2010 Michael W. O’Neill Lecture. The author is Richard J. Finno from Northwestern. The article appeared in DFI Journal Vol. 4 No. 2 December 2010.

“Laboratory Testing for Unsaturated Soils: A Primer.” By John McCartney and Craig Benson. The article is in the 2011 January/February Geo-Strata magazine from the ASCE Geoinstitute. Dr. McCartney is an assistant professor at CU-Boulder and also a CAGE member.

## NOCOGEO (NORTHERN COLORADO SECTION OF CAGE)

The next meeting of the Northern Section of CAGE will be on Wednesday March 23rd at 11:30 AM at Tetra Tech’s Fort Collins office. The presentation will be on tunneling techniques with an emphasis on the Fossil Creek stormwater tunnels in southeastern Fort Collins. The presentation will be given by David Kwietnewski with Lyman Henn, a Division of Brierley Associates. Please contact Robin Dornfest if you are interested in attending the meeting. [rdornfest@gsinetwork.com](mailto:rdornfest@gsinetwork.com)

## MARCH CAGE MEETING

### MEETING NOTICE COLORADO ASSOCIATION OF GEOTECHNICAL ENGINEERS

**Wednesday, March 9, 2011**  
11:30 A.M. – 1:00 P.M.  
**Lakewood Country Club**  
**6800 W. 10<sup>th</sup> Avenue, Lakewood**

*CAGE now accepts prepayment of luncheon registrations online.  
Click on the February 9 event on the calendar at [www.cagecolorado.org](http://www.cagecolorado.org).  
Please note that refunds will not be given if you must cancel or are not able to attend.*

**Geotechnical NDE for Foundations and Slope Stability Radar**  
presented by Larry D. Olson, PE, Principal Engineer of Olson Engineering, Inc.

Larry D. Olson, PE, Principal Engineer of Olson Engineering, Inc. ([www.olsonengineering.com](http://www.olsonengineering.com)) and Olson Instruments, Inc. ([www.olsoninstruments.com](http://www.olsoninstruments.com)), of Wheat Ridge, Colorado will discuss current and recent developments in foundation NDE and geophysical technologies. The presentation will focus on the use of foundation nondestructive evaluation (NDE) techniques for quality assurance, forensic investigation and determination of unknown foundation depths. NDE methods to be discussed will include Crosshole Sonic Logging and Tomography, Sonic Echo/Impulse Response/Ultraseismic, Pile Dynamics Analysis and Parallel Seismic. The principles of interferometric based Slope Stability Radar (SSR) to monitor slope movements with a precision of up to 0.004 inches to distances of 2.5 miles will then be discussed. Case histories of applications of the SSR to US and international landslides will be presented to illustrate the usefulness of the technology.

Please FAX or email your reservations **before noon, Monday, March 7, 2011** to:  
Becky Roland, CAGE

Fax: (720) 230-4846, [admin@cagecolorado.org](mailto:admin@cagecolorado.org)

You can RSVP online at [www.cagecolorado.org](http://www.cagecolorado.org). Just click on the March 9 event!

**Walk-ins may not be guaranteed a meal, so please RSVP by March 7!**  
**\$25 for CAGE members, \$30 for non-members, \$15 for students**