

## MESSAGE FROM THE PRESIDENT

Hope everyone had a good Christmas and Holiday season.

This past summer, the CAGE board conducted an on-line survey. The hope of the board was that the results of the survey would strengthen the CAGE organization. One comment that was echoed several times in the survey was that the general membership and past officers could be better aware of present CAGE board efforts. So, I will attempt to generate a monthly newsletter (to be distributed with the CAGE meeting announcement) to deliver news and topics pertinent to the CAGE organization. The intent of the newsletter is to keep the CAGE members better informed.

To start the 2010 year, the following have been elected to service in the CAGE organization:

President -	John Hart
Vice President / Treasurer -	Mark Vessely
Secretary -	Aaron Bagley
Board of Directors -	Andrew Gardner
	Paul Jordan
	New Director to be Announced at the January Meeting
Past President -	Alan Lisowy



John H. Hart, P.E.  
CAGE President 2010

At the beginning of December, Aaron Bagley, Mark Vessely, and I interviewed three students from the Colorado School of Mines for the \$2000.00 CAGE Scholarship. We thank Professor Vaughan Griffith for his aid in narrowing the field to three candidates, Stacie Biava, Matthew Casey, and Kaitlyn Edmiston. After the interviews, the scholarship committee nominated Matthew Casey for the award. Matthew will receive the award at the beginning of the January meeting.

Two documents will be out in the near future to the CAGE membership for review and comment. The documents are:

*"CAGE/SEAC position statement on the use of Post-Tensioned Slab-on-Ground Foundations for support of residential and light commercial buildings in the Colorado front range"*

*"Guideline for Asphalt Pavement Design in Colorado"*

The board would appreciate a quick review period so the documents can be completed.

Based on the survey results, the CAGE board has decided **not** to renew the ASFE Regional Organization status (\$5000.00 a year). The survey performed this summer indicated most CAGE members were not gaining anything from the "Regional Status". The survey results indicated most CAGE member firms are ASFE members and the same information available to the CAGE members without CAGE becoming a regional organization. In addition, the survey indicated few, if any; CAGE members are accessing the ASFE resources.

When you have a chance, please visit the CAGE website [www.cagecolorado.org](http://www.cagecolorado.org). John Reins and Becky Roland have spent a lot of time to make the website what it is today. Pay particular attention, to the Company Listings. At present, all CAGE member firms are listed with a phone number. For \$100, the member firms can advertise (with a website link, if available) and be listed before the member firms list. There also will be job postings from member and non-member firms whenever there are openings. Please contact Becky if your company is interested in advertising on the CAGE website.

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## PRESIDENT'S MESSAGE CONTINUED

Last year, CAGE sponsored two technical seminars, Write-Right by ASFE and Drilled Shafts and Piles under Lateral Loading featuring L-Pile software from Ensoft, Inc. Both seminars were a success. We hope to continue with one technical seminar a year in the future. The seminar tentatively planned at the end of each year will feature various topics to bring more knowledge to the local engineering community. At present, the board is working to plan the 2010 technical seminar. If you have any suggestions regarding topics, please present your suggestion to one of the board members.

Other business the board has been or will be discussing:

- Pier Design Guideline Update
- Quality Based Selection Committee Update
- LRFD Task Force

Reminder, CAGE membership renewals are due. For those who have sent their renewals, we thank you and for those who have not, please do so.

If you believe a matter is important to the engineering community, please bring it to the attention of one of the board members. The objective of CAGE is to be a forum for discussion of professional and technical issues of interest to Geotechnical Engineers. The organization can only be successful through the efforts of its membership.

I look forward to seeing you at the meeting.

John H. Hart, P.E.  
CAGE President 2010

## JANUARY LUNCHEON

**WEDNESDAY, January 13, 2010**

11:30 A.M. – 1:00 P.M.

**Lakewood Country Club**

**6800 W. 10<sup>th</sup> Avenue, Lakewood**

***Luncheon Cover: \$25.00 for CAGE members, \$30.00 for non-members, \$15.00 for students (RSVP due January 8 at noon)***

***“The Revised FHWA Drilled Shaft Manual: What’s New?”***

John Turner, PhD – University of Wyoming

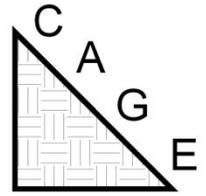
Dr. Turner will provide an overview of the recently completed FHWA Publication “Drilled Shafts: Construction Procedures and LRFD Design Methods”. The presentation will focus on the most significant changes from the previous version of the manual (O’Neill and Reese 1999).

John Turner is a Professor of Civil Engineering at the University of Wyoming. Dr. Turner has Bachelors degrees in geology and civil engineering and received his Ph.D. in geotechnical engineering from Cornell University. He maintains an active consulting practice in addition to his teaching and research activities. Dr. Turner is the author of NCHRP Synthesis 360, “Rock Socketed Foundations for Highway Structures” and is a co-author of the newly revised FHWA Drilled Shaft Manual, to be released in early 2010.



Photo courtesy of Coggins and Sons, Inc.

CAGE meets the second Wednesday of every month from September through May. Be sure to mark your calendars and join us for lunch.



***GeoTrends: The Progress of Geological and Geotechnical Engineering in Colorado at the Cusp of a New Decade***

**CALL FOR PAPERS**

**2010 COLORADO GEOTECHNICAL SEMINAR**

**November 5, 2010**

**Sheraton Denver West Hotel**

**Lakewood, Colorado**

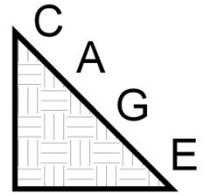
***Abstract Deadline: January 22, 2010***

The Geotechnical Group of the Colorado Section of the American Society of Civil Engineers (ASCE), the Rocky Mountain Section of the Association of Environmental & Engineering Geologists (AEG), and the Colorado Association of Geotechnical Engineers (CAGE) have sponsored a one-day geotechnical seminar every other year since 1984. The theme of the 2010 seminar will be "GeoTrends: The Progress of Geological and Geotechnical Engineering in Colorado at the Cusp of a New Decade." The seminar will focus on geo-politics, aging and rehabilitation of infrastructure, sustainability, risk, investigations, and innovations in Colorado and the Rocky Mountain Region. Papers are welcome from all practice areas including transportation, water resources, commercial and residential development, environment, and natural resources.

The papers accepted for the 2010 Colorado Geotechnical Seminar will again be published by ASCE as a Geotechnical Practice Publication (GPP) and distributed at the seminar. The ASCE Geo-Institute has developed the GPP for use by local sections, branches, and others as a vehicle for publishing their proceedings within an appropriately short timeline using a simplified review process.

Additionally, the Steering Committee welcomes abstracts from students (graduate and undergraduate) to be accepted for a poster session competition. Accepted student abstracts will be requested to complete a poster for the seminar. The posters will be judged and the winner will receive a cash prize.

Thank you in advance for your interest.  
*The Geotechnical Seminar Steering Committee*



Potential topics for papers and student abstracts include, but are not limited to, the following:

#### **Geo-Politics**

- ASCE Policy 465 - education and experience requirements
- Interaction with governmental agencies and other project stakeholders
- Infrastructure funding

#### **Aging and Rehabilitation of Infrastructure**

- Interaction of new and existing foundations
- Retrofitting
- Reservoir expansion and transmission improvements
- Corridor expansion
- Design and construction in developed areas

#### **Sustainability**

- Resource management
- Colorado groundwater supply and aquifer recharge
- Geological and geotechnical topics in energy development
- Recycled materials

#### **Risk and Reliability**

- LRFD and risk analysis/assessment in design
- Project and contract risk management
- Life cycle project analysis

#### **Investigation and Testing**

- "Intelligent" construction
- Instrumentation and monitoring
- Laboratory and in-situ testing
- Research and analysis of unknown foundations for existing structures

#### **Innovations in Geotechnical Engineering**

- Earth and structure retention
- Ground improvement
- Soil-structure interaction
- Geophysical methods
- Remote sensing
- Modeling software
- Contracting and construction methods

#### **Case Histories**

- Unique local projects: Colorado/Rocky Mountain experience (recent and historical)
- Successes and failures
- FasTracks by RTD
- Other large scale Colorado projects

#### **Water Resources**

- Dam monitoring and rehabilitation
- Levee evaluation and rehabilitation
- Impact of changing flows in ditches and canals
- Repair and rehabilitation of canals and pipelines

The Geotechnical Seminar Steering Committee requests that individuals interested in preparing and presenting a paper submit a brief (approximately 200-word) abstract for review. **Please email your abstract as text within the body of the email to Christoph Goss at [christoph.goss@deereault.com](mailto:christoph.goss@deereault.com) by 5:00 PM Mountain Time on January 22, 2010.** With the abstract, please indicate your name, your role in the subject matter, your daytime telephone number, and your return email address. This abstract is for informal Steering Committee review, not for publication. Selected authors will be notified by **February 15, 2010**, and will be given a set of simple guidelines and a template for developing an electronic version of the paper. An electronic draft of the paper is due **by May 7, 2010** for review by ASCE. Review comments on the draft paper will be provided to the author by **June 7, 2010**. The revised electronic copy of the **final paper** is due **by July 9, 2010**. Approximately twelve of the published papers will be chosen by the committee to be presented at the seminar.