

MESSAGE FROM THE PRESIDENT

I hope everyone had a good summer and is doing well. This month, CAGE will resume monthly meetings and I look forward to strong attendance. It appears that the geotechnical market in Colorado is holding its own in the present economy.

During the summer, CAGE received good participation in and sponsorship for the Sporting Clay and Golf Events. The Sporting Clay event held in conjunction with the Rocky Mountain ADSC chapter on August 21 had 22 participants. Sponsors for the Sporting Clay event included Coggins and Sons, CTL Thompson, Hayward Baker, Kumar and Associates, Pipe Industries, TEI, and Williams Form Engineering. The Golf event held on August 25 had 24 participants. Sponsors for the Golf event included JA Cesare, Hayward Baker, and Tensar. I would like to thank everyone that attended and sponsored the successful events.



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

The CAGE Board has been active through the summer. Board members met in July with the past-presidents to discuss topics including: the CAGE Scholarship, the CAGE-CALGEO exchange, and other issues affecting geotechnical engineers in Colorado. In addition, the Board has been active preparing for upcoming fall events.

Last April, I mentioned in the newsletter that the CAGE board was exploring other venues of information exchange with similar organizations. We contacted CalGeo (The California Geotechnical Engineering Association (www.cgea.org)) to discuss their organization. Andrew Garner and I attended the CalGeo annual conference at the end of April and met several of the CalGeo members and officers. CalGeo representatives treated us very well and exchanged information regarding the similarities and differences of the two organizations. Please see attached a short report detailing information we learned about CalGeo. One observation from the CalGeo trip was that not only is the organization united in the professional and business practices but also socially. Several spouses attended the annual conference and it was nice to see the other side of geotechnical engineers.

Upon return, Andy and I suggested to the board and past presidents that CAGE hold a social event this fall. Brainstorming for the social event led to the idea of a silent auction to raise money for the CAGE scholarship. Everyone should have received the announcement for the first annual CAGE Dinner and Silent Auction to be held October 2, 2010. I hope all members and significant other attend.

The details for the 2010 CAGE Technical seminar have been finalized. "Reliability Based Geotechnical Engineering" will be a seminar and workshop featuring Load and Resistance Factor Design (LRFD) for Geotechnical Engineering. The date for the event will be December 3 and the location will be the same as last year, PPA Event Center in Denver. The cost of the seminar will be \$250 per individual registration (which is lower than the cost last year). Instructors for the event will be Jim R. Harris, Ph.D., P.E. Principal, J.R. Harris & Company and John P. Turner, Ph.D., P.E., Professor of Civil Engineering, University of Wyoming. The board's goal was to pair a subject the geotechnical community of Colorado

PRESIDENT'S MESSAGE CONTINUED

would benefit from with knowledgeable, practical instructors at a reasonable cost. We believe we have accomplished this goal and hope to see you in attendance.

Other Items:

Sometime in the near future (I know you have seen this before), the CAGE Guideline for Asphalt Pavement design in Colorado will be distributed to the CAGE membership for review and comments.

ASCE Geo-trend conference will be held November 5, 2010.

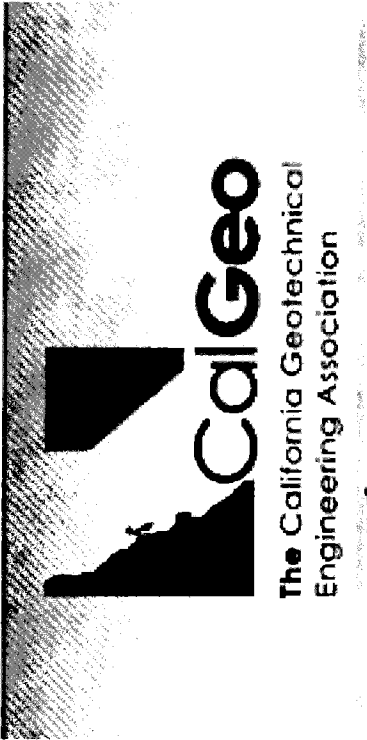
CAGE board members met and exchanged communication with SEAC (Structural Engineers Association of Colorado) and NOCOGEO (Northern Colorado Geotechnical Engineers) recently. Communication will continue in the future in hope of strengthening relationships with both organizations.

The CAGE board will soon be soliciting new potential board candidates. If you are interested in becoming a board member, please contact a current board member.

Thank you,

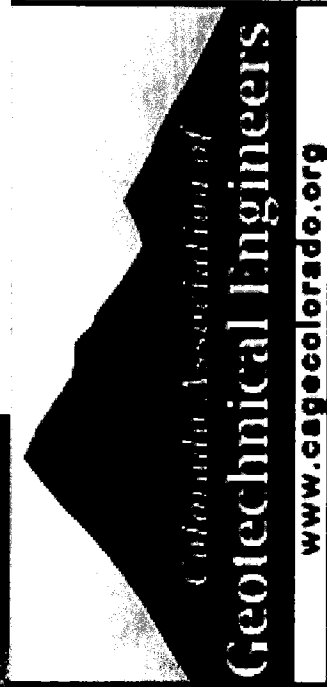
John H. Hart, P.E.
CAGE President 2010

CAGE is looking for volunteers to serve on its Communication Committee. Members of the Committee will assist with developing relevant material for this newsletter and the CAGE website. The goal is to provide technical information and professional support to the CAGE membership. If you are interested, please contact Becky Roland at admin@cagecolorado.org.



Teaming up at Torrey Pines

Highlights from the CalGeo's Annual Conference
April 2010 – La Jolla, CA



What is CalGeo?

- Originally founded in 1971 - Soil and Foundation Engineers Association (SAFEA)
- Rather than focus only on technical research and social events, SAFEA was formed to also address business and legislative issues in order to advance the profession of private-practice geotechnical engineering.
- 1987 - became California Geotechnical Engineers Association (CGEA)
- Now re-branded as CalGeo – The California Geotechnical Engineering Association
- There was talk (and much debate) of using the term “geoprofessional” instead

What is CalGeo?

- CalGeo Membership has always been firm/company membership
- CalGeo now has seven (7) classes of members, designated as follows:
 - Active (firm with a GE on staff),
 - Associate (firms with at least a PE, or EG, but no GE),
 - Affiliate (vendors or other trades),
 - Individual (new membership level, only 1 so far),
 - Honorary,
 - Life,
 - Academic.
- Only Active members (with GE on staff) can vote.
- CalGeo currently has 78 member firms (out of approximately 500 firms statewide).

Active and Associate Members (based on firm size, includes all CA offices)

1 employee	\$250
2 to 5 employees	\$500 plus \$7 per employee
6-221 employees	\$700 plus \$7 per employee
>221 employees	\$2,250 maximum
<u>Affiliate Members</u>	\$1,750
<u>Individual Members</u>	\$150
<u>Academic Members</u>	\$100

What is CalGeo?

- CalGeo generally holds quarterly meetings in both northern and southern California (or in an on-line format).
- In addition, a 2-1/2 day annual meeting is held for members statewide alternating between northern and southern sites.
- The annual meeting includes social events, a golf tournament, a general membership business meeting (elections, treasurer's report, etc.) keynote address, a host of various other speakers, presentation of outstanding project awards, etc.

What is CalGeo?

- The CalGeo Board is similar to CAGE with the offices of President, VP, Secretary, Treasurer, and Past-President along with 3 to 8 at-large positions (currently 7).
- The directors also serve as the head of at least one committee:
 - Business Factors,
 - Communications,
 - Government Practices/Legislation,
 - Membership/Marketing,
 - Outstanding Project Awards,
 - Professional Affiliations,
 - Programs,
 - SCIF Group (a CA Workers Compensation Ins. Group),
 - Student Outreach,
 - Technical Advisory,
 - Technician Affairs/Safety,
 - Ways & Means

CalGeo's website took 9 months to update after updating their name from CGEA, and revising their strategic plan.

It now includes a simple link to find a member firm based on locale and a job board

Website includes links to streamlines searches, guidelines for member consultants, a job board, and more info on various products, and more



The Voice of California's Consulting Geotechnical Engineers

ABOUT PROGRAMS EVENTS MEMBERSHIP ADVOCACY NEWS CONTACT US

LAQUNABEALLOMUS
 Making possible the safe, sound, and resilient

CalGeo is the voice of geotechnical engineers and consultants throughout the California State, and is the **only** professional organization **exclusively committed** to uniting, strengthening and advancing California's **geotechnical consulting industry**.

Why CalGeo?

Learn why CalGeo is different from other organizations - and a great place to work for the most forward-minded geotech.

[Click Here »](#)

Become A Member »

Explore the many benefits of becoming a CalGeo member.

[Join Today »](#)

[Find a Geotech in your area](#)

[CalGeo Toolkit](#)

[Job Board](#)

[Tell a Friend](#)

Upcoming Events

24 State Fund's Employer Education Series
2016 Surprise Inspections - Are You Prepared?

[View All Upcoming Events »](#)

News

Be Prepared for a Cal/OSHA Inspection
 Cal/OSHA inspectors make unannounced visits to ensure California workplaces are safe and healthy. If your facility has documented uncontrolled hazards and receives citations, the penalties can cause serious financial and business impacts. [Click here to make sure your business is prepared.](#)

Legislative Update: Bills Affecting BPELS

Member Highlight

Danny Cohen
 P.E.
 Vice President/Principal Engineer
 Hethington Engineering

[Full Bio/Portfolio »](#)

What can we learn?

- CalGeo seems to incorporate the loss prevention aspects of ASFE, the business/legal aspects of ACEC, and the technical aspects of CAGE into their one organization.
- They are an organization of companies (i.e. ACEC, ASFE)...however, this presented a recent problem
- They were strong advocates of developing the GE licensure in California, thereby advancing the profession.
- They seem to have developed an advanced committee structure.
- They have established excellent student outreach programs with Chapters at several schools

What can we learn?

- They have forged a relationship with the “State Fund” that provides significant funds for their organization.
- They have a fully salaried coordinator/administrator.
- Their Annual meeting is always hosted in a high-end location, with good speakers, ample opportunity for socializing, student and outstanding project awards, and fundraising for their scholarship fund.
- It took them 9 months to develop their new website with their PR consultant. Ours is getting there.

What can we learn?

- They too are RO members of ASFE, but are considering not renewing their membership. One of their Directors, is actively involved in ASFE and is working on a way to resolve the RO issues (namely what is the benefit?).
- Geotechnical consultants in California are expected to provide for ideas on maximizing land use, steepening slopes, etc. and therefore, generally would include more detailed testing and slope stability analysis in their fee. Some engineers also include the grading design.
- **Geotechnical Engineering in California seems to be viewed less as a commodity at least partly due to CalGeo. We could do more!**

What should we take away?

- We should consider new ways of funding our organization
 - Consider increasing the fee for affiliate membership in return for more advertising.
 - Consider developing a relationship with group insurers, bankers, etc. as a way to raise additional funds.
- We should continue developing a more defined committee structure.
- We should consider additional/stronger lobbying for our profession.
- We should consider having an Annual meeting where we could have the board retreat, conduct votes, install new officers, give out awards, etc.

What should we take away?

- There are potential issues that we should be aware of...
 - Unionization of technicians and potential labor laws
 - Lateral movement of expansive fill slopes
 - State Licensure rule changes
 - Indemnification ruling against CH2MHill
- We should continue to foster our relationship with CalGeo, to help both organizations continue to improve.
- We should consider inviting them to attend our technical seminar or other special events.

CAGE

DINNER AND SILENT AUCTION

OCTOBER 2

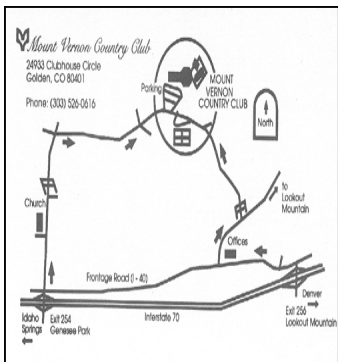
COLORADO ASSOCIATION OF GEOTECHNICAL ENGINEERS

The CAGE Board of Directors cordially invites you to join them for dinner at the Mt. Vernon Country Club. This special event is a great opportunity to relax with your colleagues and network, while enjoying a beautiful view.

CAGE will also host its first Silent Auction with proceeds going to the CAGE Scholarship Fund. CAGE is accepting donations, such as wine, restaurant certificates, sporting event tickets, or monetary donations. Call Becky Roland at (303) 757-2926 for more information.

You can RSVP and register online at www.cagecolorado.org by clicking on the event description, or complete the form below. Business casual to cocktail attire is appropriate. No jeans per Country Club policy.

6PM—7PM Silent Auction Bidding and Cash bar
7PM Dinner



CAGE

Sign me up! (qty): _____ Member Dinner Reservations (\$25 per person up to 2 people)
_____ Nonmember Dinner Reservations (\$50 per person)
_____ I would like to donate to the Silent Auction, please call me.

I have enclosed a check for \$ _____.

Name and Address: _____

Email and phone: _____

Send form and payment to: CAGE, PO Box 460311, Denver, CO 80246
admin@cagecolorado.org or fax to (720) 230-4846.



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

November 5, 2010

Dear Colleagues:

The Steering Committee for the 2010 Geotechnical Seminar would like to invite you to attend the upcoming geotechnical seminar titled "*GeoTrends: The Progress of Geological and Geotechnical Engineering in Colorado at the Cusp of a New Decade*". This seminar is a continuation of the biannual series presented by the Geotechnical Group of the ASCE Colorado Section, CAGE, AEG, and the ASCE Geo-Institute. It will be presented on Friday, November 5th, 2010 at the Sheraton Denver West Hotel located at 360 Union Boulevard in Lakewood. The goal of the seminar is to enhance the technical knowledge of local geotechnical engineers and geologists in areas of current regional interest. To increase the influence of the seminar, the proceedings will be published nationally by the Geo Institute of ASCE in a Geotechnical Practice Publication.

Please fill out and return the enclosed information to Mark Brooks at the address indicated on the form or via e-mail at mbrooks@semaconstruction.com. Pre-registration discounts are available through October 22, 2010.

For questions related to conference registration, exhibits, and/or sponsors, please contact Becky Roland (staff@coloradoasce.org) or Mark Brooks via the e-mail address indicated above. If you have questions with regards to the conference please contact Joe Kerrigan, (Joseph.Kerrigan@paccoast.com).

With best regards,

The Geotechnical Seminar Steering Committee



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

November 5, 2010

GEOTECHNICAL SEMINAR

Organization: _____

Please indicate (one form per registration):

- | | | |
|--------------------------|--|-------------|
| <input type="checkbox"/> | Early Registration (before October 22) | \$120 |
| <input type="checkbox"/> | Late Registration | \$150 |
| <input type="checkbox"/> | Student Registration | \$ 35 |
| <input type="checkbox"/> | Sponsor (includes 1 registration) | \$300 |
| <input type="checkbox"/> | Exhibitor (includes 1 registration) | \$500 |
| <input type="checkbox"/> | Add Lunch / Break Sponsor (in addition to sponsorship above) | \$400/\$200 |
| <input type="checkbox"/> | Corporate Registration (includes 2 registrations and sponsor)
(Additional Corporate registrations are \$115 per person) | \$550 |

Name: _____

Address: _____

Phone: _____

E-mail: _____

A check payable to "ASCE Geotechnical Seminar" – *Tax Identification Number (TIN): 84-0005100*

- Is enclosed
 Will be sent under separate cover by _____ (Date)

Please mail responses and checks to:

ASCE GEOTECHNICAL SEMINAR
c/o SEMA Construction, Inc.
ATTN: Mark Brooks
7353 S. Eagle St
Centennial, CO 80112

ABOUT CAGE

The Colorado Association of Geotechnical Engineers (CAGE) was established in 1995 by a small group of owners of geotechnical engineering firms in Colorado. This visionary group of founding members saw the need for a much greater exchange of technical and professional information between practicing geotechnical engineers, in an effort to advance the profession and to promote the public welfare.

Since CAGE was formed it has experienced steady and significant growth, with more than 120 current members from more than 60 different companies and organizations. Beyond the growth in the size of our membership, the organization has made great strides in promoting and improving the practice of geotechnical engineering in Colorado.

CAGE's contributions to the profession have included the hosting of regular luncheon meetings with guest speakers, sponsoring local geotechnical seminars, establishing committees to evaluate and respond to various geotechnical issues, issuing several publications, and developing Geotechnical Study Guidelines for Light Commercial and Residential Buildings in Colorado. In addition, CAGE has promoted collegial interactions between members and practitioners in related fields of geology, as well as civil and structural engineering.

CAGE

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Fax: 720-230-4846
E-mail: admin@cagecolorado.org

CAGE

RELIABILITY BASED GEOTECHNICAL ENGINEERING

A SEMINAR AND WORKSHOP
FEATURING LOAD AND RESISTANCE
FACTOR DESIGN (LRFD) FOR
GEOTECHNICAL ENGINEERING



AS A PARTICIPANT IN THE SEMINAR, YOU WILL:

- learn more about the reliability based engineering.
- better understand LRFD.
- be able to better define the necessary geotechnical data for proper LRFD incorporation with structural engineers.
- learn how to properly utilize LRFD in geotechnical engineering to be more efficient and effective.
- receive the short course manuals and personal notes as reference for future geotechnical models and designs.
- earn up to 8 PDH credits for this course.

DECEMBER 3, 2010
PPA EVENT CENTER
2105 DECATUR ST
DENVER, CO

SEMINAR SCHEDULE

8AM	Introduction	Presenter Introductions, Outline, and "House-Keeping" Items
8:15–9:15	History and Background of Reliability Based Design (RBD)	Why?, Performance, Economy, Safety and Serviceability
9:15–9:30	COFFEE BREAK	
9:30–10:30	Fundamentals of RBD	Reliability Based Approach to Geo-Structural Engineering
10:30-10:45	COFFEE BREAK	
10:45-11:45	RBD for Deep Foundations	Drilled shafts, Driven Piles, Examples of LRFD
12:00-1:00	LUNCH	
1:00-2:00	RBD Shallow Foundations	Footings, Examples
2:00-2:15	COFFEE BREAK	
2:15-3:15	Lateral Analysis	Basement Walls, Retaining Walls, Earth Pressure, Examples
3:15-3:30	COFFEE BREAK	
3:30-4:30	Site Characterization for RBD	Acquisition of Field data, Laboratory Testing, Soil and Rock Properties
4:30-5:00	Questions	

INSTRUCTORS

Jim R. Harris, Ph.D., P.E., Principal, J.R. Harris & Company

Dr. Harris earned a bachelors from the University of Colorado in 1968 and a masters and doctorate from the University of Illinois in 1975 and 1980, respectively. He is an active member of several committees that produce national standards for structural engineering practice, including ASCE and the American Concrete Institute. Dr. Harris has written over 25 reports and journal articles.

In 1984, Dr. Harris founded J. R. Harris & Company in Denver, CO where he currently serves as principal. Dr. Harris has designed or evaluated hundreds of structures ranging from dwellings to high-rise buildings including industrial facilities, long spans, buildings in the highest seismic zones, earth retention, deep foundations, and renovations of historic buildings.

John P. Turner, Ph.D., Professor of Civil Engineering, University of Wyoming

Dr. Turner earned a bachelors in Geology from James Madison University in 1976 and a bachelors and masters in Civil Engineering from University of Wyoming in 1981 and 1982, respectively, and his doctorate in Geotechnical Engineering from Cornell University in 1986.

Dr. Turner has conducted research on drilled shaft foundations, anchored retaining walls, landslide stabilization, and rock mechanics and has authored 100+ technical papers. He is a past chairman of the ASCE Committee on Deep Foundations and has served as a member of the Editorial Board for the Journal of Geotechnical and Geoenvironmental Engineering.

REGISTRATION FORM

Registration Type	before Oct. 31	After Oct. 31
Individual Registration	\$250	\$300
CAGE Student Member	\$100	\$100
Break Sponsor	\$150 (inc. recognition at breaks)	
Lunch Sponsor (limit 4)	\$500 (inc. recognition at breaks & lunch)	

I have enclosed a payment for \$_____. (check or major credit card)

Credit Card # _____ Exp _____

Name(s) and Address: _____

Send form and payment to: CAGE, PO Box 460311, Denver, CO 80246
admin@cagecolorado.org or fax to (720) 230-4846

CAGE now accepts registrations and payments online. Go to www.cagecolorado.org and click on the calendar event for December 3 to register and pay online.