



CALL FOR PAPERS

2012 COLORADO GEOTECHNICAL SEMINAR ROCKY MOUNTAIN GEOCHALLENGES RISING TO GEOTECHNICAL CHALLENGES IN COLORADO

November 9, 2012
Sheraton Denver West Hotel
Lakewood, Colorado

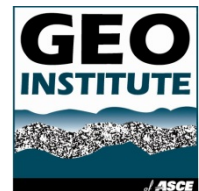
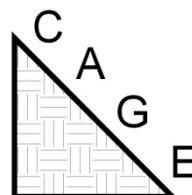
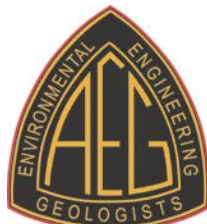
Abstract Deadline: January 27, 2012

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 2012 seminar will be "GeoChallenges: Rising to Geotechnical Challenges in Colorado." The seminar will focus on case histories of challenging geotechnical projects in Colorado and the Rocky Mountain Region. Papers are welcome from all practice areas including transportation, water resources, mining, development, environment, and natural resources.

The papers accepted for the 2012 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 to be accepted for a poster session competition. Accepted student abstracts will be requested to complete a poster and present it during the poster session of the seminar. A small committee will judge the posters and brief oral presentations at set times on the day of the seminar. Winner(s) 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:

Transportation

- Transit construction for RTD
- Corridor expansion
- Tunneling in urban or mountain environments
- Mechanistic pavement design

Aging and Rehabilitation of Infrastructure

- Retrofitting aging facilities
- Unknown foundations
- Design and construction in developed areas

Water Resources

- Dam design, construction, monitoring, and rehabilitation
- Levee evaluation and rehabilitation
- Reservoir expansion and transmission improvements

Mining and Energy

- Geotechnical activities in support of mine and energy development
- Mine reclamation

Risk and Reliability

- LRFD and risk analysis/assessment in design
- Project and contract risk management
- Life cycle project analysis
- Risk input to decision making

Environment

- Resource management
- Colorado groundwater supply and aquifer recharge
- Utilization of recycled materials in geotechnical construction

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
- Innovative project delivery
- Thermal foundations

Case Histories

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

The Geotechnical Seminar Steering Committee requests that individuals interested in preparing and presenting a paper submit a brief (approximately 200-word) abstract in Microsoft Word for review. **Please email your abstract as text within the body of the email to Christoph Goss at christoph.goss@deereault.com by 5:00 PM Mountain Time on January 27, 2012.** 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 24, 2012**, 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 4, 2012** for review by ASCE. Review comments on the draft paper will be provided to the author by **June 8, 2012**. The revised electronic copy of the **final paper** is due **by July 6, 2012**. The collection of papers will be published by ASCE as a national Geotechnical Practice Publication, which will be provided to the Geotechnical Seminar attendees. Approximately twelve of the published papers will be chosen by the committee to be presented at the seminar. Individuals presenting their GPP paper should prepare a PowerPoint presentation and plan to speak for 20 to 30 minutes.