



# ASSOCIATION OF ENGINEERING GEOLOGISTS

*"Serving Professionals in Engineering, Environmental, and Ground-Water Geology"*

---

## THE ROCKY MOUNTAIN SECTION NEWSLETTER

---

### MEETING DATE

**THURSDAY  
OCTOBER 11, 2001**

### TIME

5:45 p.m. Social Hour  
6:30 p.m. Dinner  
7:30 p.m. Presentations

### LOCATION

**GEOLOGY MUSEUM**  
Colorado School of Mines  
Golden, CO

### COST

\$20 Members  
\$22 Non-members  
Free for Students

### RESERVATIONS

c/o AEG Reservation Line  
(303) 790-2161 x 243  
**BY NOON, FRIDAY  
OCTOBER 5<sup>th</sup>**

### **Stabilizing Swampy Conditions to Widen I-95 in Alexandria, VA**

Jim Lambrechts, P.E., Vice President, Haley & Aldrich, Boston, MA

Haley & Aldrich is the lead geotechnical engineer for the design of the Route 1 Interchange for the Woodrow Wilson Bridge that crosses the Potomac River between Maryland and Virginia. The 1.3-mi. long project involves one- and two-lane viaducts, flaring transition structure, and more than four miles of mechanically stabilized earth (MSE) walls. Widening of the existing I-95 roadway will extend into water bodies that are underlain by up to 40 feet of soft compressible organic soils. For this reason, implementation of ground improvement methods such as prefabricated vertical drains to accelerate the settlement of soils and deep mix methods to improve the soil strength and compressibility characteristics is required. This presentation will focus on the geotechnical challenges presented by the ground conditions, and the ground improvement methodologies utilized to solve them.

## Fall 2001/Spring 2002 Speakers and Locations

November 8<sup>th</sup> – CSM Museum – Jon White (CGS) - Study of Collapsible Soils Across Colorado

December 13<sup>th</sup> – Family Night at CSM Museum – Jonathan Caine (USGS) – Pole to Pole - A Geologic Journey of Antarctica and Greenland

January 10<sup>th</sup> – Golden Community Center – Bob Schuster (retired USGS) - Dams Built on Pre-Existing Landslides

February 14<sup>th</sup> – CSM Student Center – Student Career Night

March 14<sup>th</sup> – Golden Community Center – Myles Carter, AEG President

April 11<sup>th</sup> – Golden Community Center – Dr. Perry Rahn, South Dakota School of Mines, AEG Jahns Distinguished Lecturer

May 9<sup>th</sup> – Golden Community Center – Open

Please let Peggy Ganse or Tim Petz know if you or someone you know would be interested in giving a talk at an upcoming RMS meeting.

## Section News

1. The Board of Directors meeting for the Association will be held after the Annual Meeting. Peggy Ganse and Tim Petz are attending. Please contact either of them with any concerns you want voiced to the Executive Council and the Board.
2. The 2003 AEG national meeting will be in our own backyard at Vail. Mike Hattel has scheduled a meeting on October 9, 2001 at Chads in Lakewood (across from the Federal Center and south of the intersection at 6th Avenue and Union Boulevard). If you have any questions contact Mike at [mhattel@quest.net](mailto:mhattel@quest.net) or 303.665.1400.
3. Alyssa Kohlman is actively seeking speakers for the CSM Student Section. Please contact her at [alyssakohlman@hotmail.com](mailto:alyssakohlman@hotmail.com) if you are interested in sharing your knowledge and experience.
4. Please forward any newsworthy items to Kristi McQuiddy [newsletter@aegrms.org](mailto:newsletter@aegrms.org).

## Section Website

The new RMS website location is up and running at <http://www.aegrms.org>. Updates and changes are occurring on a regular basis during this initial startup time. Any webworthy items can be set to Ed Friend [webmaster@aegrms.org](mailto:webmaster@aegrms.org).

## RMS Officer Contact List

Chairperson	Tim Petz, Church & Associates, Inc., 303.463.9317, <a href="mailto:chair@aegrms.org">chair@aegrms.org</a>
Chair-elect	Jim Wright, GEI Consultants, Inc., 303.662.0100, <a href="mailto:chair-elect@aegrms.org">chair-elect@aegrms.org</a>
Secretary	Scott Walker, GEI Consultants, Inc., 303.662.0100, <a href="mailto:secretary@aegrms.org">secretary@aegrms.org</a>
Treasurer	Matt Bensen, Micro Geophysics, 303.424.0499, <a href="mailto:treasurer@aegrms.org">treasurer@aegrms.org</a>

Membership Scott Walker, GEI Consultants, Inc., 303.662.0100, [membership@aegrms.org](mailto:membership@aegrms.org)  
Newsletter Kristi McQuiddy, GEI Consultants, Inc., 303.662.0100, [newsletter@aegrms.org](mailto:newsletter@aegrms.org)  
Website Ed Friend, GEI Consultants, Inc., 303.662.0100, [webmaster@aegrms.org](mailto:webmaster@aegrms.org)  
Past Chair Peggy Ganse, Haley & Aldrich, 303.534.5789, ext. 3210, [pastchair@aegrms.org](mailto:pastchair@aegrms.org)

## **Durango GEO-Conference**

The Colorado Geological Survey (CGS) will host another of their popular Geo-Conferences in October 2001. This year's conference, "Geologic Issues in Southwestern Colorado," will be held at the Durango DoubleTree Hotel on October 15-16, with optional field trips on October 17.

The purpose of the conference is to raise awareness of geology-related issues in Southwestern Colorado and provide information transfer between various stakeholders, in order to promote safer communities and reduce economic losses. Experts from a variety of fields will give presentations that highlight local impacts, innovative means of assessment and mitigation, map and report resources, and recent technologies and activities.

There will be four half-day sessions. Geology and land-use issues and geologic hazards and mitigation will be covered on October 15. On October 16, two regional sessions will cover the San Juan Basin and San Juan Mountains. Among the topics of interest are land-use planning, recognition and mitigation of various geologic hazards, post-wildfire hazards, avalanche forecasting, emergency management, water quality and natural sources of degradation, ground water development, gravel pits, mine remediation and prioritization, and coalbed methane development.

The optional field trips will visit several sites of interest in southwestern Colorado to see excellent examples of geologic hazards near Durango and other sites in the San Juan Mountains between Durango and Silverton. These field trips will add significant perspective and understanding to topics discussed at the conference.

Geoscientists, hydrologists, engineers, planners, builders, realtors, developers, attorneys, contractors, home inspectors, landscape architects, building officials, emergency managers, educators, landowners, and local decision-makers may benefit from attending the Durango Geo-Conference.

The CGS has been hosting Geo-Conferences in Colorado on a regular basis since 1994. The conferences have focused on specific geologic issues in many parts of the state. Past conference locations include Golden (1994), Colorado Springs (1996), Montrose (1997), Glenwood Springs (1998), and Arvada (2000). The conferences are popular events within the local professional community, and have been attended by 150 to 300 people per event.

The cost for the two-day conference is \$125, and the cost for the optional field trips is \$40. Seating is limited, and there is a September 28 cutoff date for registration. An announcement that includes information about technical sessions, field trips, registration, and lodging is available on the CGS web site at <http://geosurvey.state.co.us> or by calling (303) 866-3330.

For more information contact David Noe at (303) 866-2432 or [dave.noe@state.co.us](mailto:dave.noe@state.co.us)