



## Association of Environmental and Engineering Geologists

### MEETING DATE

Thursday  
November 17<sup>th</sup>,  
2011

### TIME

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

### LOCATION

**American  
Mountaineering  
Center**

710 10th St.  
Golden, CO 80401  
Conference Room C-D  
See Map Below

### COST

**\$25 Members**  
**\$27 Non-members**

### RESERVATIONS

[meetings@agrms.org](mailto:meetings@agrms.org)  
or  
[WWW.AEGRMS.ORG](http://WWW.AEGRMS.ORG)

**BY NOON,  
TUESDAY**

**November 15<sup>TH</sup>**

### **An Update on Colorado Geological Survey's Geologic Mapping Program**

David C. Noe  
Colorado Geological Survey

The Colorado Geological Survey produces 1:24,000-scale geologic maps under the auspices of the nationwide STATEMAP grant program. To date, 98 quadrangles have been mapped in central and western Colorado. Dave will describe the program and the current status of mapping, and will address these frequently asked questions:

- Hasn't the geology of Colorado already been mapped?
- What is the purpose of the mapping program?
- Who uses the maps?
- How do we choose which areas to map?
- What are the steps in making a geologic map?
- How does CGS interact with federal and academic mapping initiatives?
- How can I get my hands on a CGS geologic map?

Finally, Dave will give examples of recent scientific discoveries and societal contributions made by CGS geologists in the course of making geologic maps.



## Words from the Chair



Greetings Rocky Mountain Section,

I'd like to thank Peter Shaffner (Risk Management Center, Institute of Water Resources at the U.S. Army Corp of Engineers) again for filling our speaker spot last month at the last minute. Peter delivered a fantastic talk and we look forward to scheduling him again in the future, and seeing him and other Corp comrades at future meetings.

Your RMS board members are busy organizing the December Holiday meeting and details will be announced soon. We are also planning to have Student Night a little earlier than usual this year, to give students more time for their job hunt before the school year is over.

Speaker and Volunteer Opportunities:

We are in need of a Chairperson for the 2012-2013 year! We need someone who is excited to fill the Chair role, will attend monthly meetings, attend two Board of Director's meetings (September 2012 in Salt Lake City and March/April 2013 in home-state of President), and perform other tasks. This is a great opportunity to get involved in your section, interact with others in your field and lead a great group of professionals through a year of meetings and activities. Please talk to me if you are interested and I will fill you in on the details. I'm excited to talk to you about this opportunity!

We are always interested in hearing if any members would like to give a talk at a monthly meeting, or have an idea of a talk they would like to hear. Specifically, we have a speaker slot open (potentially April 2012), so let a board member know if you have an interesting talk up your sleeve or know someone who does. We are also always on the lookout for less-technical presentations (and even a little fun) for our Family Night in May.

Our section is also in the beginning stages of planning to host the 2016 annual AEG meeting here in Colorado. We are organizing committees for this big event and are looking for volunteers. Committees will be formed by early 2012 and a number of you have already come forward to help. Thank You! This will be a huge collaborative and exciting effort for our section so please consider volunteering your time!

Julia Frazier  
Chair, AEG-RMS

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# Mélange

## **Geology Openings**

Opening for a Geological Technician for a mining company in Leadville. (Most likely the Climax Molybdenum Mine) ~\$44,000 per year. Find more details and apply through the Colorado Workforce Center using the link and job number below:

[http://www.connectingcolorado.com/e\\_app\\_quick\\_js.html](http://www.connectingcolorado.com/e_app_quick_js.html)

Job Number 5417514

## **FREE!!! New Resources from CGS**

The Colorado Engineering Geology community may be interested in two new products that are available on the recently revised Colorado Geological Survey website.

The first is a free on-line geologic hazards mapping publication of the Uncompahgre River corridor in Montrose County. This new on-line publication contains a comprehensive technical report, GIS map coverages, and prepared 44"x52" 1:50,000-scale pdf plates. More information about this publication and the download links are at this location:

<http://geosurvey.state.co.us/pubs/online/Pages/GeologicHazardsMappingoftheUncompahgreRiverValleyArea,MontroseCounty,Colorado.aspx>

The second free on-line resource is a statewide landslide inventory prepared from the digitization of published geologic maps in Colorado. The data is available in an on-line map viewer at this web location:

[http://geosurvey.state.co.us/hazards/Landslides/Pages/CGSlandslide\\_inventory.aspx](http://geosurvey.state.co.us/hazards/Landslides/Pages/CGSlandslide_inventory.aspx)

Please address any comments or questions to Jon White ([jonathan.white@state.co.us](mailto:jonathan.white@state.co.us))



# SmartGeo Doctoral Program at Mines

Please join the faculty and students of the **SmartGeo** program at Colorado School of Mines on Monday Nov. 7 at 9 am to learn about the **SmartGeo** program and Fellowships for doctoral studies in SmartGeo. Fellowships include a \$30,000 annual stipend, fully paid tuition, fees and insurance, and a stipend for travel and materials/supplies. The National Science Foundation stipulates that Fellowship recipients must be U.S. citizens or permanent residents.

**SmartGeo** is a unique interdisciplinary graduate research and education program designed to prepare the next generation of leaders in the development of intelligent geosystems, natural and engineering geosystems enabled to *sense* their environment and *adapt* to improve their performance. Students and faculty pursue innovative research in intelligent geoconstruction, smart earth dams and levees, and intelligent remediation.

**SmartGeo** offers an approach to graduate studies that will prepare professionals to address complex problems facing society. The pillars of the program include:

**Interdisciplinarity:** the really important problems will be solved by interdisciplinary teams. SmartGeo brings together students and faculty from geoen지니어ing (geotechnical, geological, environmental); civil, mechanical and electrical engineering; geophysics; computer science; and public policy.

**Collaborative Research:** Multidisciplinary groups of students and faculty pursue research and development within a collaborative team-based framework.

**Leadership:** SmartGeo offers a formal training program in Leadership and Teamwork to prepare students to lead collaborative and interdisciplinary teams during and beyond graduation.

**Public policy:** SmartGeo students complete a minor in public policy and integrate public policy aspects into their technical research.

More information can be found at <http://smartgeo.mines.edu>.

Join us for part or all of an information session on Nov. 7, beginning at 9 am to learn about the program and the doctoral Fellowships, and meet the faculty and students. The activities will take place in the Student Center Ballroom A at Colorado School of Mines in Golden. The agenda is provided below and will include lunch.

For more information, please call or email Program Manager Julie VanLaanen at (303) 273-3434 and [jvanlaan@mines.edu](mailto:jvanlaan@mines.edu). Please RSVP to Julie by Thursday Nov. 3

## Directions and Parking

The 2011 SmartGeo Visitation Day will be held on the Colorado School of Mines Campus in the Student Center, Ballroom A. Directions to the Colorado School of Mines can be found at: <http://www.mines.edu/MapsDirectionsParkingInfo>. The Student Center is located at the intersection of Elm and 16<sup>th</sup> street. It is building 54 on the campus map that can be found at: [http://inside.mines.edu/UserFiles/File/facilities/CSM%20PARKING%20MAP\\_0311.pdf](http://inside.mines.edu/UserFiles/File/facilities/CSM%20PARKING%20MAP_0311.pdf). Visitors to the campus should park in the General (blue) and Commuter (yellow) lots. All visitor parking areas have a pay and display parking meter.

# Board of Directors

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