



SME Colorado Membership Renewal Reminder

If you have not done so already, please take this opportunity to sign-up for or renew your SME Colorado Section membership for the 2015-2016 year.

How to join or renew?

Online:

Credit card payments can be made online by visiting our website and selecting the 2015-2016 SME Colorado Section Dues link under the Our Events heading.

<http://community.smenet.org/colorado/events/>

Mail:

Check payments of \$25 payable to SME Colorado Section mailed to Justin Anderson – SME Colorado Section Treasurer, 1400 16th St Suite 200, Denver, CO 80202-1471.

Why you should renew?

The section dues that we collect are vital to our ability to continue our programs. Many section members assume as expensive as our meals are, that we must be making money on them to pay for other programs. The reality is that our meals operate at a break-even at best; meeting charges only go towards covering the cost for the meals. Our Section's real focus is on advocating for our profession and industry here in our region. Some of the things that your Colorado Section dues help us to provide are six scholarships for college students, majoring in mining disciplines; support for the Colorado State Science & Engineering Fair; provide teaching materials and perform outreach to Colorado science teachers through their State association, sponsorship for K-12 teachers participating in the All About Mining – A Total Concept of the Mining Industry course, and help support the Colorado Mining Museum and the National Mining Hall of Fame. So, by supporting the SME Colorado Section, you are directly supporting and advocating for your profession.

January Meeting

Thursday January 21, 2016

Maggiano's Denver South
7401 South Clinton Street
Englewood, CO 80112

Networking at 5:30pm
Dinner at 6:00pm
Speaker at 6:30pm

Speaker: Dr. Jürgen Brune, Research Professor in the Mining Engineering Department at the Colorado School of Mines (CSM) will present on "Mine Ventilation Monitoring – Comparing Best Practices in Australia, Germany and the United States".

Dr. Jürgen Brune is a Professional Engineer licensed in Colorado, a registered member of SME, and a QP member of MMSA. He has been a member of SME since 1980 and has served in numerous leadership functions in the Pittsburgh Section and at the national level in the Coal and Energy, and Health and Safety Divisions.

Dr. Brune received his undergraduate degree in mining engineering from Clausthal University of Technology in Germany, a MSc in mining engineering from CSM and a doctorate in mining engineering from Clausthal University of Technology.

Prior to joining the CSM faculty in January, 2012, Dr. Brune served as the Chief of Mine Disaster Prevention and Response Branch at the NIOSH Office for Mine Safety and Health Research (OMSRH) in Pittsburgh, PA, and as the Director of the NIOSH Research Laboratory in Spokane, WA. Before coming to NIOSH in 2004, Dr. Brune had been working in surface and underground coal mining for 20 years.

Cost is \$50 per person with online registration, students are welcome at \$20 per person. Credit card payments will be assessed a small processing fee in addition to the cost.

If you prefer to pay by check or cash, you must still register online and select the option to generate an invoice. This will reserve your place at the meeting, with payment due upon arrival.

Walk-ins without a reservation will not be permitted. RSVP must be made by close of business Tuesday, January 19th.

Upcoming Meetings

Section meetings are typically planned for the third Thursday of the month. Tentative dates and locations for 2016 meetings are:

January 21, 2016 – Dinner near south Denver

February 11, 2016 – Dinner in Golden

March 17, 2016 – Lunch or Dinner near downtown Denver

April 21, 2016 – Lunch near south Denver

May 19, 2016 – Annual Awards Banquet Dinner, Denver

Monthly Meeting RSVP

Lunch Cost: \$35 per person. Students welcome at \$15 per person with reservation.

Dinner Cost: \$50 per person. Students welcome at \$20 per person with reservation

RSVP and online payments can be made through the Colorado Section SME Community Events page:

<http://community.smenet.org/colorado/events/>

Select the event you would like to attend from the Colorado Section Events page and then select "Register Now". You will be asked to log in if you have not already done so, using your SME national login credentials. There is also an option to register for a new account if you are a non-member of SME.

Credit card payments can be made online for an additional processing fee. If you plan to pay by check or cash, select the option to generate an invoice. This invoice will serve as your RSVP, with check or cash payment due at the meeting.

Please contact Brett Larsen, with any questions regarding the meetings: blarsen@simplexgrinnell.com

Section Chair Report

We are starting on a new project in conjunction with the State of Colorado Department of Reclamation, Mining, and Safety, and the Colorado Stone, Sand, and Gravel Association. The project involves the development of an informational website on the mine reclamation process in Colorado. The website will highlight how reclamation is performed, and the end result by showing before and after examples of post-SMCRA mine reclamation projects. If you have ideas for this project, please forward them to me.

I look forward to seeing you all at our January meeting, and if you have ideas, questions, comments or criticisms about how the Section is running, or regarding Section activities, please phone me at (916) 870-6335, or email me at david.bieber@martin.marietta.com. Thank you for entrusting me with the position of SME Colorado Section Chair.

Dave Bieber

2016-2017 Colorado Section

The Colorado Section is seeking volunteers for positions on the Board and its committees during the 2016-2017 year. If you would like to get involved with the section, please contact Dave Bieber at david.bieber@martin.marietta.com by January 31, 2016.

Monthly Meeting Speaker

If you are interested in being a speaker and giving a presentation at one of our Section's monthly meetings, please contact our Section Program Chair, Brett Larsen: blarsen@simplexgrinnell.com



CSM SME Student Chapter

2015 Summary

A summary of the Fall 2015 semester activities for the CSM SME Student Chapter is included at the end of this newsletter.

Scholarship Committee

We are accepting online applications for Undergraduate and Graduate Scholarships for the 2016-2017 academic year. If you are interested, please see the links below for additional information

[Undergraduate](#)

[Graduate](#)



The SME Colorado Section Vice Chair, Amanda Garcia, is looking for volunteers to serve on the Section's Scholarship Committee. Responsibilities of the committee include review of applications and interviews for qualified candidates.

If you are interesting in being a member of the Scholarship Committee, please contact our Section's Vice Chair, Amanda Garcia: amanda.p.garcia@gmail.com

Section Newsletter

If you have comments or would like to see additional information included with our newsletter, please contact our Section's Newsletter Editor, Heather Lammers: hammers@golder.com

Colorado Mining Exhibit

2015 Summary

The Colorado Mining Exhibit Foundation paid for the 30 ft x 15 ft mural "Economic Geology of the Front Range" on the new Discovery Center at Dinosaur Ridge in west Lakewood. The venue hosts more than 82,000 visitors each year. In addition, the Foundation's gold panning trough and fossil hunt hands-on activities are part of the earth science program.

The Foundation also updated the Teacher Corner exhibits at the NMHF&M in Leadville, WMMI in Colorado Springs, and CSM's Geology Museum, including promotional material for the new CSM/CMA web-based summer course for teachers and SME's Boy Scout merit badge. The theme of this work is: "The Importance of Mining and Minerals to a Strong America".

The Mining in America Gallery, and the Gold and Coal Rooms were expanded at NMHF&M with new wiring for the 115 year old building, digital electronics, and new material added to the three computer, interactive, multilingual Computer Island. The venue hosts more than 50,000 visitors each year.

WMMI was granted funds to expand their Power exhibit and additional displays for Economic Geology and Sustainability. The venue hosts more than 38,000 visitors each year.

The Foundation also added more computers for the student education area at the SCM museum. The venue hosts more than 20,000 visitors each year.

For more information, contact Guy Johnson: GPJ222@aol.com

SME COLORADO SECTION

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Visit the SME Colorado Section web site: <http://community.smenet.org/colorado/home>

This Newsletter is emailed to current and active members of the SME Colorado Section. To view or modify your subscriptions, go to: <http://community.smenet.org/colorado/sectiondirectory/profile/mysubscriptionsprofile>. You will be asked to log in if you have not already done so, using your SME national login credentials.

You may also update your information with SME at: <http://www.smenet.org>

Colorado School of Mines SME Student Chapter

Semester Update – December 2015



The fall 2015 semester has been success for the Colorado School of Mines (CSM) Student Chapter of the Society for Mining, Metallurgy & Exploration (SME). In August, three main goals were established that are credited with the ongoing growth of the Chapter. The Chapter entered the school year with aspirations to increase bi-weekly meeting attendance, increase the number of Minerals Education Coalition (MEC) events, and expand outreach to further educate the campus as well as the community about the mining industry. With nearly 150 rostered members composed of multiple degree programs, the CSM Student Chapter prides itself on diversity. Metallurgists, Environmental Engineers, Exploration Geologists, as well as Mining Engineers contribute to an atmosphere where students can expand their knowledge of industry.

Bi-Weekly Meetings

The CSM Student Chapter of SME holds meetings every other Wednesday in room 125 of Brown Building on the CSM campus. These meetings have seen a 5% increase in attendance compared to fall 2014 statistics with an average of 45 students at each meeting. Industry professionals have volunteered their time to speak to the members and present their endeavors. These presentations have involved all facets of the professional world. Students have participated in career development meetings where they were given valuable advice to make the most out of their careers. Additionally, student members have been fortunate to learn about various mining operations including aggregates, metals, potash, coal, software, and consulting. The Student Chapter of SME is looking forward to the spring semester and continuing to learn about diverse subjects.



Fall 2015 Meetings

- 09/09/15 Freeport McMoRan
 - Lee Fronapfel
- 09/23/15 BHP Billiton
 - Recruiting Team
- 10/07/15 Solvay
 - Ron Hughes
- 10/21/15 John Googins
- 11/04/15 Front Range Aggregates
 - David Bieber
- 11/18/15 Expert Panel Q&A
- 12/02/15 Martin Marietta
 - David Hagerman

Fall 2015 Events

- 08/24/15 M-Climb
- 08/30/15 SME Welcome Back BBQ
- 09/04/15 Celebration of Mines
- 09/17/15 Mitchell Elementary
- 09/18/15 SME Golf Tournament
- 09/19/15 Edgar Mine 150th B-Day
- 10/02/15 Homecoming Float Build
- 10/03/15 Homecoming Parade
- 10/21/15 CSM Majors Workshop
- 10/24/15 STEM Wars
- 10/29/15 Nightmare on Greek Street
- 10/31/15 Preview Mines 1st Session
- 10/31/15 Edgar Mine Tours
- 11/21/15 Preview Mines 2nd Session

Student Chapter Officers

- President: Hanna Steadman
- Vice President: Nicole de Montigny
- Treasurer: Alex Gribben
- Secretary: Joe Waite
- MEC Co-Chair: Jacob Milleville
- MEC Co-Chair: Michael Wrona
- Historian: Danny Tsendayush
- Historian: Chelsea Pomeroy
- Social Co-Chair: Kevin Moran
- Social Co-Chair: Liam McGrail
- Industry Advisor: Daniel Witkowsky
- Faculty Advisor: Jurgen Brune
- Faculty Advisor: Bruce Yoshioka
- Faculty Advisor: Eunhye Kim

Colorado School of Mines SME Student Chapter

Semester Update – December 2015

Minerals Education Coalition Events

With one of the goals of the Student Chapter being to increase the number of MEC events, there has been a great emphasis on these volunteer opportunities. The SME Student Chapter has maintained relationships with past event coordinators and has also added other events to their list. Most notably, the addition of STEM Wars helped attribute to the success of the MEC outreach team. STEM Wars was a science themed event located at the Douglas County fairgrounds in Castle Rock, Colorado. Student volunteers from the CSM Student Chapter taught children ages 3-12 how to pan for gold (image right). It was not uncommon to have the parents of the children join in on the gold prospecting fun as well. This event allowed student volunteers to reach over 1,200 children with the SME Student Chapter being the only representation from the mining industry at the event.



Campus Outreach Events

Another goal of the Student Chapter at the beginning of the year was to expand their involvement at campus events. The number of campus events attended by CSM SME doubled this fall in comparison to last fall. This



coupled with an increase in member attendance has allowed the Student Chapter to triple the number of students involved in outreach events. Events such as Nightmare on Greek Street and Preview Mines continue to be well attended by SME members. The addition of building a mining themed float for homecoming (image left) and the Edgar Mine 150th birthday celebration in September offered great opportunities to share presence of the Student Chapter with the CSM community. The presence of student member volunteers at the Edgar Mine celebration allowed over 1,300 campus and community members to be reached.

Looking Ahead

Next semester, the CSM Student Chapter of SME is excited to build on their successes of the first semester. Bi-weekly meetings will continue Wednesday, January 20th, 2016. The semester will be characterized by more involvement in outreach events with the Minerals Education Coalition as well as campus events. Already scheduled is a series of events with the Boy Scouts of America. Student Chapter members will develop curriculum to help Boy Scouts meet the requirements to obtain their Mining in Society merit badge.

The SME Annual Conference and Expo will take place in Phoenix, Arizona February 21st – 24th. The Student Chapter plans on attending this event and is continuing to fundraise. Students are excited to attend this event as it provides vast opportunity to network and learn more about new technology in the mining industry.

If have any questions about the Colorado School of Mines SME, please contact the Student Chapter President, Hanna Steadman, at hsteadma@mines.edu.

Upcoming Meetings

- 01/20/16 Resource Capital Funds
 - Justin Anderson
- 02/03/16 Mapttek
 - Amanda Garcia
- 02/17/16 Jolimont Global Mining
 - Larry Clark
- 03/02/16 Luminant
 - Don Johnson
- 03/23/16 Brad Lewis
- 04/06/16 Barrie Simoneaju
- 04/20/16 Jim Paschis

Upcoming Events

- 01/23/16 Boy Scout Mining in Society
- 01/30/16 Boy Scout Mining in Society
- 02/21/16 SME Annual Conference
- 03/21/16 Western Mining Conference
- TBD E-Days Mining Competition
- TBD SME Year End BBQ