



Section Chair Report

I hope everyone of our members had safe and happy holidays and wish you all the best for the coming new year and decade. We are getting ready for an exceptional lineup of meetings for the next five months.

Our next meeting will be held in conjunction with the Colorado School of Mines Student Chapter of SME. The event will be a panel discussion featuring some of our own SME Executive Board members on the ins-and-outs of being a consultant in the mining industry. The panel of speakers includes:

- Richard Schwering from Hard Rock Consulting (Geology and Resources)
- Melissa Chalona from Engineering Analytics (Environmental)
- Heather Lammers from Golder Associates (Tailings)
- Ta Li from Tetra Tech (Operations)
- Jessica Monasterio from JDS Energy and Mining (Technical studies/Economics)

The meeting will be this Thursday, January 16th starting at 5:00PM. The Location will be at the Colorado School of Mines in Berthoud Hall Rm 243. Hope to see you all at the meeting!

Want to help make our great events even better? We are looking for volunteers for our programs committee. Become part of a great team and expand your network while volunteering a small portion of your time.

As Chair of our SME Chapter, I am here to serve our members. If you have any criticisms or feedback, please do not hesitate to reach out. You can email me at rschwering@hardrock-consulting.com.

Richard A. Schwering

January Colorado SME Meeting

Date: Thursday, January 16, 2020
5PM – 7 PM

Venue: Colorado School of Mines Berthoud Hall Room BE 243

Dinner will be catered by D'Deli.

Cost is \$30 and tickets can be purchased through the Eventbrite page:

<https://www.eventbrite.com/e/sme-january-dinner-meeting-tickets-88657670479>

Students are able to attend for free. Please RSVP jdescognets@rcflp.com for student reservations.

Health and Safety Minute

Cold temperatures outside mean an increase in the potential for cold stress increases.

To prevent frostbite be sure to:

- Check the temperature and limit your time outdoors if it's very cold, wet or windy
- Wear several layers of clothing
- Cover your ears, hands, and face whenever possible

Minor frostbite can be treated with basic first-aid measures. For more serious cases and for potential hypothermia, treatment requires medical attention which may involve rewarming, medications, wound care, surgery and various therapies, depending on the severity.



122nd National Western Mining Conference & Exhibition

June 10-12, 2020

Colorado Mesa University, Grand Junction

If you're looking to stay ahead of the latest trends in mining innovation, technology and sustainability, the National Western Mining Conference & Exhibition is the place to be. With informative sessions, networking opportunities and exhibitors showcasing the latest industry products and services, the 2020 CMA Conference is your connection to the best and brightest in the mining industry

[CMA Conference Information](#)

SME Colorado Section 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 2019-2020 year.

How to join or renew:

Online: Credit card payments can be made online by visiting our website and selecting the 2018-2018 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 Tem Tumurbat – 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. Our Section's 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 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.

Upcoming Meetings

Section meetings are typically planned for the third Thursday of the month.

February 13, 2020 – Happy Hour in collaboration with Mining4Beers

March 19, 2020 – Dinner at TBD (Tentatively Krumb Lecturer) – Downtown

April 16, 2020 – Happy Hour at TBD

May 21, 2020 – Awards Gala at TBD - Downtown

Monthly Meeting RSVP

Costs may vary, but they are typically as follows:

Happy Hour: Free to all!

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

RSVP and online payments can be made through Colorado SME Eventbrite page. Links to the Eventbrite page can be found on the section page:

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

Credit card payments can be made online using the Eventbrite page. If you plan to pay by check or cash, email James des Cognets to RSVP. Check or cash payment due at the meeting.

Contact James R. des Cognets
jdescognets@rcflp.com, with any questions regarding the meetings.



We want to hear from the Colorado SME Members!

The Colorado SME chapter wants to connect with our members. Find us on social media!

[SME Facebook](#)

MEC on Twitter

MECEducation [@MECEducation](#)

[SME LinkedIn](#)



SME COLORADO SECTION

Chair: Richard Schwering
Email: rschwering@hardrock-consulting.com

Vice Chair: Heather Lammers
Email: hammers@golder.com

Treasurer: Tem Tumurbat
Email: ttumurbat@rcflp.com

Secretary: Melissa Chalona
Email: mchalona@enganalytics.com

Program Chair: James des Cognets
Email: jdescognets@rcflp.com

Publicity Director: Kelly Donahue
Email: kdonahue@brwncald.com

Directors-at-Large: Ta Li
Email: Ta.Li@tetrattech.com

Golf Tournament Director: Alex Holtzapple
Email: alex@metsim.com

Past Chair: Jessica Monasterio
Email: jessicam@jdsmining.ca

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/mysubscriptionsonprofile>. You will be prompted 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>

MINERAL PROCESSING DIVISION
COLORADO SECTION
STUDENT PRESENTATION CONTEST

Why Attend & Present at the Colorado MPD Annual Meeting?

The Colorado Mineral Processing Division Subsection of the Society of Mining and Metallurgical Engineers (SME) had its first meeting in 1949 at The Broadmoor in Colorado Springs, Colorado. The meeting is the longest running “annual” meeting in the history of the Broadmoor.

The intent and structure of the meeting has always been to provide a comfortable venue in which participants could attend technical sessions in an informal setting. The design of the program was such that it would attract people from a wide range of disciplines within the mineral beneficiation community and foster camaraderie for all. Themes and Topics of the meeting and technical papers are adjusted annually to be relevant to the current challenges facing the mining industry, while staying within the general topic of “Mineral Processing”.

In 2019, for the eighth consecutive year, the Committee invited students from U.S. schools with Extractive Metallurgy and Mining Programs to give a presentation of their work. Through an interview and selection process by the Student Committee three students were invited to present at the meeting and to compete for best presentation.

The winner of the Student Presentation was awarded \$3000.

- **Grant Colligan**, Colorado School of Mines won for his presentation titled “Importance of Mineral Processing on Rare Earth Hydrometallurgical Extraction”

The two “runners up” were each awarded \$1000.

- **Melinda Ravnaas**, South Dakota School of Mines and Technology
Title: “Coal Fly Ash: A Mud with ‘Rare’ Opportunities”
- **Marc "Freddy" Sime**, Montana Technological University
Title: “Modelling and Experiments: A Multifaceted Approach to Understanding the Adsorption Mechanism of SHA at Rare Earth Minerals Surfaces”

The Theme for the 2020 Conference is “**Craft Metallurgy–Mineral Processing in the New Millennium**” and will be held at the Broadmoor in Colorado Springs Colorado on April 23 - 25, 2020.

The Executive Committee will again this year invite three students from top Mineral Engineering schools to present during the conference. The Executive Committee is soliciting for a student presenter from your school, preferable a junior, senior, or graduate student. If there is a group project the group should select one candidate to present their work at the Meeting. The meeting dress code is business attire.

Student presenters will be provided re-imbursement for reasonable transportation and accommodations. The best of the presentations will win a \$3,000 award and each of the runners up will be awarded \$1000. The Invitation and Presentation details are provided on the attached form.

On behalf of the Executive Committee, we look forward to seeing you at The Broadmoor.

Best Regards,

Jaye Pickarts
2020 Executive Committee Chairman

**Colorado Sub-Section Mineral Processing Division Annual Conference 2020
STUDENT PRESENTATION APPLICATION FORM**

Event Date: April 23 - 25, 2020

Location: The Broadmoor, Colorado Springs, Colorado, USA www.broadmoor.com

Theme: “Craft Metallurgy–Mineral Processing in the New Millennium”

The Colorado MPD committee www.coloradompd.com is pleased that you have expressed an interest to speak at the 2020 Colorado Sub-Section Minerals Processing Division annual conference. We invite you to submit an abstract and brief personal biography for a presentation to be given at our annual conference at the Broadmoor Hotel in Colorado Springs in 2020.

The Student Committee will review your abstract and biography, and then conduct a personal interview by phone. The top three students will be invited to make a presentation at the conference where the student with the best presentation will win a \$3,000 award and each of the runners up will be awarded \$1,000. The students identified to present will be notified via e-mail no later than the first week in February 2020. Final program details will be provided two weeks prior to the meeting.

The abstract should be no longer than one page. All abstracts and biographies must be submitted by **Friday, January 24, 2020**. Winning abstracts will have been tailored to match the conference theme if possible. The topic should be one that the student is familiar with and provide interest to an audience of industry leaders with a background in mineral processing.

Should you be chosen to present at the conference, the format for the presentation is PowerPoint (MS Windows) only. Presentations should be 20 minutes long to be followed by a 5 minute Q&A session with the audience.

Please fill in the details below and forward to the members of the Student Committee members listed below.

Tom Strombotne – tstrombotne@comcast.net

Jenny Pergola - jenny@pumpsplusinc.com

Mark Jorgensen - mark.jorgensen@outlook.com

| | |
|--|--|
| Title of Abstract | |
| Author(s) name Advisor’s name: | |
| e-mail: office telephone: cell phone; | |
| Institution | |

At the conference please bring your presentation to the meeting on a USB thumb-drive. There is no requirement to provide the presentation prior to the meeting and no hard copies are provided to conference attendees. Student presenters will be provided re-imburement by the Colorado MPD for reasonable transportation & accommodations at the Broadmoor, and the conference registration fee