

COLORADO SECTION NEWSLETTER
OCTOBER 2020



Health and Safety Minute

The time of year has come for the end of daylight savings. During this time, there is an increased risk of accidents due to the change in ambient light during the beginning of the work shift.

Safety Tips for Daylight Saving Ending:

- Increase awareness of the potential for accidents after the time change.
- Wear high visibility or reflective clothing in high traffic areas.
- Regularly clean the windows and mirrors on mobile equipment.
- Have multiple pairs of safety glasses with different tints to change with the ambient light conditions.

Section Chair Report

I would like to thank all our sponsors who graciously contributed to our scholarship fund this year, despite the cancellation of our annual golf tournament. While I missed seeing all of you this year, I look forward to the tournament and day of socializing when we return in 2021! The Colorado Section awarded six scholarships to students pursuing degrees related to mining, metallurgy, and exploration from both the Colorado School of Mines and Colorado State University.

I am excited to serve as Chair this this year, navigating the challenges limiting our typical in-person social and technical programming schedule while providing value to our membership through other avenues. Our first fall meeting will be online on Thursday, October 15. The format will include presentations from SME regarding transition of the 2021 Annual Conference and Expo to an online format and an update on the SME Foundation activities for the upcoming year. In addition, we would like to have an open discussion on Section programming with attendees. This is your opportunity to let us know what you would like to see for programming over the next year!

Thank you for the opportunity to serve as Chair of the Colorado Section. I am here to serve our members and if you have any questions, comments, or concerns, please do not hesitate to reach out (hammers@golder.com). I hope to see you at our October meeting.

Stay safe and healthy,
Heather Lammers

October SME Colorado Section Meeting

Please join us online from 5:00pm to 6:30pm on Thursday, October 15 for a meeting of the SME Colorado Section. There is no cost to attend this meeting. [Microsoft Teams](#), +1 323-886-6897, Conference ID: 533 998 225#

- Tara Davis, SME's Content Development and Program Director, will provide an update regarding transition of the 2021 SME Annual Conference & Expo to an online format. There will be an opportunity for questions from the Section members.
- Jill Nelson will provide an update regarding the SME Foundation activities and needs for the next year. If you are not familiar with the SME Foundation, this is your chance to hear about the work they do to support SME members and learn how you can be involved!
- James des Cognets, SME Colorado Section Program Chair, will facilitate open discussion where you will have an opportunity to provide input and steer the 2020-2021 programming content.

2020 Undergraduate Scholarship Recipients

Samie Mcleary - I am a senior at Colorado School of Mines majoring in mining engineering and after I graduate this spring I plan to stay to pursue a masters in engineering resource development. I enjoy getting involved on campus where I can make positive changes and gain leadership skills through Undergraduate Student Government as the Student Body Vice President. I am passionate about the role of social responsibility in the mining industry and hope to one day use my engineering skills to work in this sector.



My name is **Kyle Karably** and I am a senior at Colorado School of Mines studying Mining Engineering. I grew up in St. Augustine, FL and then at the age of 13 moved to Brisbane, QLD, Australia for two years, then to Calgary, AB, Canada for another two years and then finished out High School in Charlotte, NC. I have been fortunate enough to have had 3 internships, one with Vulcan Materials in Stockbridge, GA where I mainly operated a Komatsu HD-785 haul truck, and then spent the last two summers at OceanaGold's Haile Gold Mine in Kershaw, SC where I have worked with the engineering group focusing on projects and drill & blast. My career aspiration is to become a leader in the Mining industry with a focus on educating the public about the importance of mining to maintain and advance our way of life.

My name is **Chloe Poindexter** and I am originally from Oklahoma City, Oklahoma. I am a senior at Colorado School of Mines studying Mining Engineering, and I will be graduating in May 2021. I have enjoyed my experiences with mine design and planning as well as project management, and I also am interested in industrial minerals, base metals and precious metals. I am looking forward to continuing my education at CSM to get as much experience as possible in these fields.



2020 Graduate Scholarship Recipients

Sarah Doyle is a PhD student in environmental engineering at Colorado School of Mines, researching water treatment methods for mining-impacted waters. She has a bachelor's degree in chemistry from the University of Texas at Austin and a master's degree in environmental science from Colorado School of Mines. Prior to enrolling in the PhD program, she worked for over ten years as an environmental consultant for the mining industry, conducting geochemical and hydrogeologic site characterizations. She plans to graduate in 2021 and hopes to continue to work on mining water quality issues in Colorado after graduation.



Rami Abousleiman is a PhD candidate researching stability of underground excavations using numerical models in the department of Geology and Geological Engineering at Colorado School of Mines. He hopes his research can incorporate the results of complex numerical modeling with existing design methods in a practical, applicable way that will simultaneously improve worker safety and optimize resource extraction. His career goals include utilization of analytical, empirical, and numerical methods to advance the state of geological engineering design practices, raising awareness of numerical methods and their applications and limitations in the mining and civil industries, increasing public awareness of the critical role that the mining industry plays in modern life, and engaging with entrepreneurial engineers to develop worker cooperative structures that can be applied to professional engineering services.



Hello, my name is **Louise Spencer** and I am in my second year pursuing a M.S. in Civil Engineering with an emphasis on geotechnical engineering at Colorado State University. In 2014 I began working as an environmental consultant for NewFields in Missoula, Montana. Over the last six years I've had the opportunity to work on large construction projects, hydrogeologic assessments, and permitting projects. I plan to defend my master's thesis in Summer 2021 and then return to work in the environmental consulting industry and obtain my PE license. Within 5 years I plan to be a project engineer involved with managing large-scale tailings storage facilities and leach pads.



2020 Scholarship Donors

Thank you to our corporate scholarship donors. The SME Colorado section appreciates your support of Colorado students pursuing degrees related to mining, metallurgy, and exploration.

Wilson Mining

Mill Man Steel, Inc.

Authentic Drilling, Inc.

Newmont

Metsim International

Golder

Resource Capital Funds

SRK Consulting

Hycroft Mining

Colorado Section of SME Member Spotlight



Name: Colorado State SME Student Chapter

Chapter: since May 2020

Tell us a bit about your Student Chapter?

We are Colorado's new SME Student Chapter, formed in May 2020. Since then, we have been adding members and have increased our membership to 15 students. Our student membership is comprised of undergraduate and graduate programs with the following academic backgrounds:

- Civil Engineering
- Environmental Engineering
- Geoenvironmental Engineering
- Geotechnical Engineering

Our group is initially kicking off with a focus on mine waste engineering, but we hope to expand into natural resources soon.

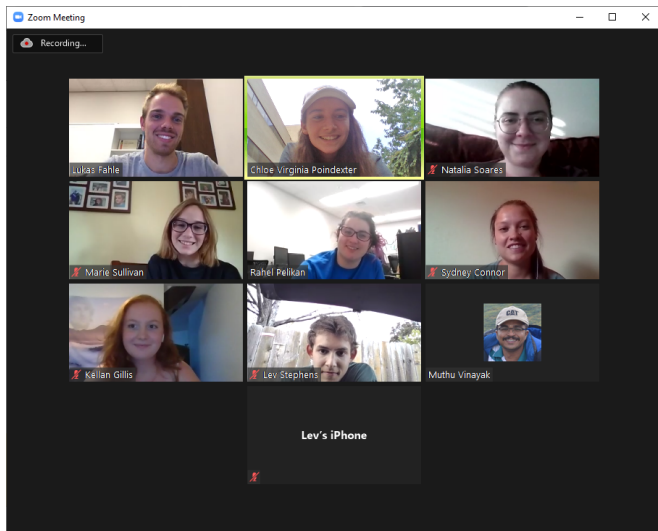
What activities do you have planned for the fall semester?

For the Fall 2020 semester our activities are limited to virtual meetings due to COVID-19, but we are planning on having presentations given by industry professionals and CSU faculty, information virtual hangouts, and attending the virtual 2020 Tailings & Mine Waste Conference.

How can SME Colorado Section members help you out this year?

We are excited to join the SME community and are looking to expand our network to include more of the SME Colorado Section. If you are interested in being involved with our new CSU Student Chapter, please reach out to us! We are always looking for more presenters and partners from industry.

Colorado Section of SME Member Spotlight



Name: Colorado School of Mines Student Chapter

Chapter: Since 1912

Tell us a bit about your Student Chapter?

The CSM SME Student Chapter was one of the first student chapters of SME formed. We looked for records at the school level and within the national SME organization to find an exact founding date and could not find one, but the earliest iteration of what would eventually become our chapter was first recorded in 1912. Currently, we have around 60 members with 20-30 of those showing up regularly at meetings actively involved. These students range from freshmen to PhD students across several department, but the vast majority are in the mining engineering program, but we also have students majoring in geology, geological engineering, economics, mechanical engineering, and materials and metallurgical engineering.

What activities do you have planned for the fall semester?

This semester obviously looks different for SME and the Colorado School of Mines as a whole. We have been conducting our chapter meetings for members and officers virtually via Zoom. We have been giving away prizes to students randomly to encourage attendance, and we have managed to maintain attendance numbers from previous years. Most of our volunteering opportunities have been cancelled due to COVID-19, but we are still trying to maintain our efforts for K-12 outreach by trying to participate in local virtual career fairs and conventions. Our chapter has also been working with the Colorado Minerals Education Coalition to see what all can possibly be done to administer the Mining in Society Merit Badge for the Boy Scouts. In the meantime, we have also been collaborating with other student organizations here at Mines.

How can SME Colorado Section members help you out this year?

We are excited that we get to work with the Colorado Section of SME. For this semester, we have decided to open up our general meetings to the public to increase engagement, and we would be happy to extend that information to the CO Section. We are waiving dues for our student members for the semester, so anyone and everyone is welcome for no fee. As far as help, we want to try to do as much student outreach as possible to get kids informed about and interested in mining. We would welcome any information about potential volunteer opportunities for our members in that regard.

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 2020 - 2021 year.

How to join or renew:

Online: Credit card payments can be made online by visiting our website and selecting the 2020 - 2021 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:

Phil Martin – 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.



Robert Layne White, a longtime contributor to the Engineering and Mining Journal, passed away on August 21, 2020.

<https://www.e-mj.com/breaking-news/emj-mourns-the-passing-of-lane-white/>

<https://www.monarchsociety.com/obituary/robert-white>

Photo from Monarch Society

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Visit the SME Colorado Section web site:

SME Colorado Section

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