



## LETTER FROM THE PRESIDENT



Dear SME Foundation Friends,

What an exciting time to be in the mining and minerals industries! All around us, the demand for minerals and energy fuels is growing, and so is our opportunity to have a positive impact. The SME Foundation has the tools and the team to be a part of that positive impact.

It is my pleasure to follow in a long legacy of Foundation Presidents who have challenged this organization to meet the needs of a mineral-rich future. Together with the SME, we have an incredible opportunity to shape our industry. In the last year the Foundation has seen some great progress including hitting a milestone success with our PhD Fellowship and Career Development Grant program and the continuation of that program into the future; a return to normal for the ABET program post-COVID; and another record-breaking SME Foundation Golf Tournament. Thanks to Steve Holmes for his years of leadership.

A special thank you to the many companies and nearly 500 attendees that joined us at the SME Foundation Annual Gala Dinner during MINEXCHANGE 2023 SME Annual Conference & Expo. For an extra celebration, another nearly 200 attendees at the Young Leader's Monday Night Social witnessed five participants, including Dave Kanagy, get a face-full of pie to raise awareness and funds for the Foundation. We raised over \$58,000 and minted three new \$4Kby40 awardees!

Finally, thank you for the opportunity to serve our community as the SME Foundation President. I'm looking forward to an exciting few years ahead.

Best,

Thomas C. Rauch  
SME Foundation President

## SAVE THE DATE! November 17, 2023

**Support the SME Foundation Programs**



**Sponsorship Opportunities Available.**

Learn more at [SMEGolfing4good.com](https://SMEGolfing4good.com)  
[smefoundation.org](https://smefoundation.org)

## SME Foundation Leadership

Thomas C. Rauch  
Andrew P. Cole  
Steven C. Holmes  
Shaun P. Graber  
Michael T. Myers  
Ronald L. Parratt  
David L. Kanagy

President  
President-Elect  
SMEF Past President  
Corporate Giving Chair  
Individual Fundraising Chair  
SME Past President  
Secretary

## MEC AWARDS

### Have You Nominated Your Deserving Colleagues for MEC Awards yet?

Nominations are now open for the MEC Awards and it is up to you to make the nominations!

- Nominate **an SME member** for the **C. Dale and Kathleen B. Elifrits MEC Leadership Award**.
- Nominate **an SME organization**—Section, Division, Subsection, etc.—for the **MEC SME Organization Recognition Award**.
- Nominate a **non-SME organization** for the **MEC Partnership Appreciation Award**.
- Student Chapter leaders, be sure to **nominate your chapter** for the **MEC Student Chapter Educational Outreach Award**!

Go to [smenet.org/Professional-Development/Awards-Competitions](https://smenet.org/Professional-Development/Awards-Competitions) to submit your nominations now!

## CONGRATULATIONS TO THE 2022-2023 SEASON WINNERS OF MOVE MINING NEXT GEN



Move Mining Next Gen is an online competition for K-12 students that explores the importance of mined minerals. In partnership with our sponsor Newmont, we are proud to announce the winners of the sixth season Move Mining Next Gen contest winners, each selected by expert judges:

**Best Overall (\$1,000)** goes to Minnesota team Steele Chicken, for their video, "Into the Miningverse."

**1st place, Grades 9-12 (\$250)** goes to Arizona team The Copperheads, for their video, "The Electrifying Truth of Copper."

**1st place, Grades K-5 (\$250)** goes to Georgia team Will "Spaceminer" Kuhn, for his video, "SpaceMining."

**2nd place, Grades K-5 (\$150)** goes to the Utah team Rock-in Sisters, for their video, "We Need Copper with the Rock-In Sisters."

Thank you to all of the participants in the contest. Watch the videos at [MoveMiningNextGen.org](https://MoveMiningNextGen.org)!

## MEC EDUCATES TEACHERS AT THE NSTA NATIONAL CONFERENCE

The National Science Teaching Association (NSTA) National Conference on Science Education was held March 23-25, in Atlanta, GA, with more than 5,000 teachers in attendance. MEC participated in the 3-day event where volunteers handed out more than 2,000 free mineral resource boxes, and other educational resources, posters, and flyers to teachers. Thank you to our Volunteers: Katie Kosloski (Event Committee Chair), Wendi Cooksey, Dan O'Connor, Dale Elifrits, Michael Myers, Rachel Knowles, Shaun Ramsey, and Baxter Jones, who worked tirelessly to ensure a successful conference.



### Thank you to our Event Sponsors:

Luck Stone, FLSmidth, Paschal Associates, Ltd, and Dale and Kathy Elifrits

### Thank you to our Rock and Minerals Donors:

Blaschak Anthracite, Carmeuse, Chemours, Detroit Salt Co., Freeport-McMoRan, Martin Marietta, Mosaic, U.S. Steel, and Virginia Kyanite.

## NATIONAL OUTREACH COORDINATORS COLLABORATION

MEC, in collaboration with the University of Arizona School of Mining and Minerals Resources, kicked off its first National Outreach Coordinators Collaboration (NOCC) on February 28, at the MINEXCHANGE Annual SME Conference & Expo in Denver, CO. In an effort to build a cohesive and supportive mining outreach community, this collaboration provides a space for mining outreach professionals from universities, mining associations, mining companies and SME sections to come together to network, share ideas, and support each other in educating the public about mining and minerals. The NOCC hopes to accomplish the following through quarterly meetings:

- Promote outreach by building a cohesive, supportive mining outreach community
- Share ideas and best practices for educating the public and prospective students
- Network, build relationships, and support outreach growth

For more information about upcoming meetings, email [Nwokeukwu@smenet.org](mailto:Nwokeukwu@smenet.org)

## 2023 NATIONAL SCOUT JAMBOREE

The 2023 National Scout Jamboree is happening July 19-28 at the Summit Bechtel Reserve in West Virginia. Approximately 10,000-15,000 boys and girls ages 12-18 in the Scouts BSA program are expected to attend. MEC's booth, with the theme, "Modern Mining: Journey to the Middle of Your Mobile," focuses on helping Scouts make a tangible connection between mining and their daily lives.

The SME Foundation is looking for volunteers and sponsors to help make this a successful event. Opportunities range from attending for the full two weeks, to one week or even a day. We are happy to announce that SME will reimburse up to \$1,200 in registration costs for a limited number of SME members who register to attend both weeks and will also cover the cost of day volunteers. Sponsorships range from \$1,500-\$7,500.

To volunteer and/or get sponsorship information, contact Megan Martin ([martin@smenet.org](mailto:martin@smenet.org)) at the SME Foundation. We hope you consider participating.



## ABET CHAIR - VISITOR SELECTION COMMITTEE

Submitted by C. Dale Elifrits

### Why ABET Accreditation?

Put succinctly, the two most important parts of ABET accreditation of college degree programs are:

1. Degree programs' requirements meet industry expectations so that graduates are well prepared to enter their careers.
2. Graduates are qualified to start the process of becoming licensed professionals in their respective fields, i.e., sit for the Fundamentals of Engineering examination for engineering graduates and the Fundamentals of Geology examination for geology graduates.

The criteria by which programs are accredited were/are created by consensus of professional volunteers appointed to ABET Accreditation Commissions by professional societies. SME is the lead society for geological, geophysical, mining, and mineral processing engineering within the Engineering Accreditation and for geological sciences within the Applied and Natural Science Accreditation Commission.



ABET Commission-specific General Criteria which were created and are maintained by consensus of volunteer professionals from each commission's member societies must be met. Through SME's education committees, program-specific criteria are created and maintained. Accreditation decisions at the Commission level are based upon how well each degree program demonstrates the extent to which its graduates meet these criteria and how well the program demonstrates continuous quality improvement as shown to an SME program evaluator upon six-year frequency campus visits.

In summary, SME's participation in ABET yields high levels of assurance that our degree programs' B.S. degree graduates are prepared academically to enter the professional work force. Industry and academic volunteers, through their efforts at our society level, and at the ABET level, provide this quality assurance to industries and to families who expect their students to be well served by higher education degree programs.

## SME PROFESSIONAL ENGINEERS COMMITTEE

Submitted by Dr. Andrew P. Schissler, PE



**NCEES**  
advancing licensure for  
engineers and surveyors

The SME PE Committee had a successful Annual Business Meeting and Workshop at the recent MINEXCHANGE held in Denver, CO. The Committee, on behalf of Chair Genevieve Sutton PE, is seeking interest

in SME members who are active licensed engineers to join the committee that presently has 22 members. Service on the committee takes approximately one hour per month plus volunteer attendance at the MINEXCHANGE 2024 SME Annual Conference & Expo to be held in Phoenix, AZ next February. The Committee is presently working on writing and reviewing questions for Edition 9 of the SME PE Study Guide Practice Exam. SME has offered this publication since the 1980's. With our charge of license advocacy, Committee members will continue to give 2023 presentations to groups on the "Value of the Professional Engineer." This spring, Committee members will review updates to the *SME Mining Reference Handbook*. With the genesis of computer-based testing for the PE exam in 2021, the MRH is the only book allowed in the PE exam. The Committee supports the over 2,500 SME members who are PE's.

Please contact Andrew Schissler, PE and SME PE Coordinator at [schissler@smenet.org](mailto:schissler@smenet.org), if you are interested in joining the Committee.

## SWEET SUCCESS!

The PieLC competition, hosted by the Young Leaders Committee at the Monday Night Social on February 27, 2023 in Denver, CO, was a huge success. Participants Kat Tew, Dave Kanagy, Nick Gow, Brad Dunn and Tom Rauch led a successful two-month fundraising campaign for this event that raised more than \$58,000 for various SME/SMEF programs. As a bonus, the SME Board of Directors provided a \$5,000 match during the last 24 hours.

The results for each fund were:

- Minerals Education Coalition—\$3,545
- Mining & Exploration Division Scholarship—\$3,035
- Miners Give Back—\$3,670
- PhD Fellowship and Career Development Grant Program—\$23,954
- SME Foundation General Fund—\$23,954.

After a last-minute battle with non-stop donations, Tom Rauch and Dave Kanagy decided to stop fundraising and settle for a tie—each of them agreeing to take a pie. A special thank you to Michael Donkor for stepping in to take the pie for the M&E Division! Thank you to everyone for their generosity and support!

We look forward to hosting this competition again at the MINEXCHANGE 2024 SME Annual Conference & Expo in Phoenix, AZ.



## SME/SME FOUNDATION 2023 SILENT AUCTION

The SME Foundation, along with the SME Divisions, hosted the 2023 SME/SMEF Silent Auction. Our thanks to **George Sturgis, Jr.** for sponsoring this event and helping raise funds for the SME Foundation's programs. We thank all of the individual and corporate donors to the auction for their help in making it a success. Thank you to everyone that bid in-person and online during this event; more than \$23,000 was raised from the Silent Auction this year!

### 2023 Silent Auction Donors:

Adventure Mining Company  
Arapahoe Basin Colorado  
Barr Engineering  
Greg Beckstrom  
Brooks and Nelson LLC  
Butterfly Pavilion  
The Cheesecake Factory, Inc.  
Andy Cole  
Colorado Symphony  
Denver Art Museum  
Denver Broncos  
Denver Museum of Nature & Science  
Doe Run Company  
Joe Driscoll

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Fogo de Chão Restaurant  
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GL Specialties  
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National Mining Hall of Fame  
Jill Nelson  
Painting with a Twist

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Phoenix Gold Mine  
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Tom Rauch  
Eric Shereda  
Doug Silver  
Dorothy Snowden  
SME Northern Minnesota Subsection  
Stouffer Minerals  
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Tetra Tech  
Tew Family  
Tito's Vodka

Top Golf  
Bob Washnack  
Wildlife Safari  
Will and Pam Wilkinson  
Anne Williamson  
Wines for Humanity

**Save the Date!** Please join us  
February 25-28 in Phoenix, AZ  
for the MINEXCHANGE 2024 SME  
Annual Conference & Expo. We  
look forward to seeing you then!





**The Foundation of the  
Society for Mining, Metallurgy & Exploration**

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Englewood, CO 80112

[www.smefoundation.org](http://www.smefoundation.org)

what's  
new  
inside

- 
- Pg. 1**    **SMEF ANNUAL GOLF TOURNAMENT**, President's Letter
- 
- Pg. 2**    MEC: Awards Nominations, MoveMining NextGen Winners,  
NSTA Conference, 2023 National Scout Jamboree
- 
- Pg. 3**    ABET Chair - Visitor Selection Committee, PE Committee,  
PieLC, Silent Auction
- 

## THANK YOU!

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