SME FOUNDATION

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Newsletter

October 2019

## LETTER FROM THE PRESIDENT

Dear SME Foundation Friends,

The signs of fall are everywhere - highlighted by the colorful changes of foliage and the shortening of daylight. It's my favorite season even though I know it is bringing the unpredictable cold and wet of winter! Positive signs of the SME Foundation are everywhere too.

- Drive away in a 2020 GMC Sierra 2500 Crew Cab 4WD SLT Diesel with upgraded leather bucket seats*
- Purchase tickets NOW at: **www.accelevents.com/e/SMEFTRUCK or Text Raffle to (205) 619-3065**
- $30 per ticket or 4 tickets for $100
- Limited tickets – **only 5,000 available!**

Support the **SME Foundation** programs and purchase raffle tickets for your chance to **WIN A TRUCK** at the MineXchange 2020 SME Annual Conference & Expo!

Join us for the Tailgate Party Drawing, on Wednesday, February 26, 2020 at 12:45 pm prior to the close of the Expo. Need not be present to win

SME mineXchange 2020 SME ANNUAL CONFERENCE & EXPO

SME FOUNDATION

EMPIRE CAT

*Truck generously donated by Empire CAT.*

***See the truck, displayed in the SME Resource Center on the Expo floor, during the MineXchange SME Annual Conference & Expo. *Or equivalent model. Truck valued at $70,000.***

Five new Corporate Roundtable Partners have invested their support in Foundation programs bringing the total to 18 Partners. The critical PhD Fellowship and Career Development Grant program continues to successfully rebuild the mining school faculty pipeline. The MEC Scouting Subcommittee, MEC Staff, and SME and corporate volunteers reached over 2,300 attendees at the 2019 World Scout Jamboree in July taking them on a journey through their mobile devices. Move Mining and Move Mining Next Gen have kicked off for the fourth and third seasons, respectively. These are only a few examples of the important programs and activities of the Foundation, and throughout this newsletter several are described in more detail. The SMEF Board of Trustees had a well-attended, very constructive Midyear Meeting in September with a review of the past fiscal year and renewed commitment to the work necessary to support and fundraise for the Foundation programs and activities. The Trustees represent the leadership of the corporate and academic segments of our industry and are tasked with providing advice, guidance and participation in fundraising and strategic planning. Trustees are also charged with outreaching to SME local sections, Corporate Roundtable Partners and Foundation supporters. We are so grateful for their time and commitment to the Foundation.

We are very pleased to announce an exciting opportunity to support the Foundation and potentially win a new truck! Through the generosity of Empire CAT, a benefit truck raffle is being kicked off now with the winning ticket to be drawn at the MineXchange 2020 SME Annual Conference & Expo. Please check out the newsletter for details on purchasing raffle tickets. Thank you to everyone for your past donations and support to the SME Foundation as we work to achieve the mission to be the source of funding for education and outreach to SME and the community it serves. You are our Cornerstone for which we are grateful and appreciate your continued support.

With sincere thanks and gratitude,

Mary B. Korpi
SME Foundation President

### SME Foundation Executive Committee

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| Mary B. Korpi | President |
| Steven C. Holmes | President Elect |
| Ryan M. Murray | Vice President of Finance |
| Bill A. Hancock | Past President |
| David L. Kanagy | Secretary |
| Thomas C. Rauch | Individual Fundraising Officer |
| Barbara J. Arnold | SME Past President |

MineralsEducationCoalition.org

SME Society for Mining, Metallurgy & Exploration | movemining™

Move Mining, sponsored by Komatsu, is a dynamic competition aimed at elevating the perception of mining. Get your team together and submit an original, three-minute video with a one-page abstract to showcase your idea to improve the perception of mining. Five finalists will present their concepts live on February 23 at the MineXChange 2020 SME Annual Conference & Expo. The top winning team will receive $5,000, with a second place prize of $3,000 and 3rd place prize of $2,000. Submissions are due by November 20, 2019, and earlier entries have the advantage for People's Choice voting, so go to **www.MoveMining.org** now to learn more!

movemining Next Gen

Make Sure that K-12 Students know the ***Move Mining Next Gen Competition*** is for Them!

Move Mining Next Gen for students in grades K-12, with a grand prize of $1,000, is open for entries. Make sure to encourage any teachers that you know to have their students enter Move Mining Next Gen, and don't forget to have your own children enter. Give students a chance to show the importance of minerals in their daily life, and share it with the world! Early submissions have the edge for People's Choice voting ($500 prize), so go to **www.MoveMiningNextGen.org** for all of the details.

## EARTH SCIENCE WEEK (OCTOBER 13-19, 2019)

MEC provided materials for the 10,000 copies of the Earth Science Week (ESW) 2019 Toolkit, available for just the cost of shipping and handling at www.earthsciweek.org. MEC collaborated with the Ohio Aggregates & Industrial Minerals Association (OAIMA) and the Ohio Mining and Mineral Education Program (OMMEP) to produce the "Grown or Mined: What's Under the Rock Game" that lets students guess whether things they use every day were grown or mined. MEC also contributed the "Rocks Ahoy!" activity to the 2019-2020 ESW Calendar. A postcard in the ESW Toolkit directs teachers to these new resources, which are aligned with state and national education standards, at www.MineralsEducationCoalition/ESW.

## Upcoming Events:

Cutting Edge Conference
UC SME Tunneling
Advances in Tunneling Technology
HOSTING THE ITA TUNNELLING AWARDS 2019

SME Society for Mining, Metallurgy & Exploration
ARIZONA CONFERENCE 2019
DECEMBER 8–9 • TUCSON, ARIZONA

SME Society for Mining, Metallurgy & Exploration
mineXchange
2020 SME ANNUAL CONFERENCE & EXPO
FEBRUARY 23 – 26, 2020 | PHOENIX, AZ

# Criteria for ABET Accreditation of Geology Degree Programs

C. Dale Elifrits and David Hammond

The draft geology program criteria, which were approved for first reading by ANSAC at the 2018 ABET summer meeting, were available for public review and comment last year. Members of the SME Ad Hoc Committee responsible for criteria development solicited informal commentary from key institutions and individuals who will be directly impacted by the final program criteria language. Formal public input was limited, with three responses uploaded to the ABET website. The informal effort was more successful, with several professionals providing very useful insights and recommendations. Accordingly, the committee revised the draft criteria language in two significant ways: 1) more curricular latitude given to programs regarding specialization topics/disciplines on which they wish to focus, such as environmental, groundwater, engineering, economic geology, etc., and 2) the requirement that geology programs contain meaningful field geology components and experiences made more explicit.

At the July 2019 ABET summer meeting, David Hammond presented the revised geology program criteria to the ANSAC Criteria Committee. He also presented the public and informal comments that were received, and the rationale for the revisions. The committee then approved the criteria for full Commission hearing.

Commission approval was subsequently received, and the criteria will go before ANSAC area delegates for a second reading at their October meeting. Following delegate approval, the criteria will be posted on ABET's website for further public review. Assuming no further modifications are warranted, these geology program criteria will take effect in July 2020, at the beginning of the 2020-2021 accreditation cycle.

Proposed Mineral Processing and Extractive Metallurgical Engineering Degree Program Criteria
Courtney Young

Program criteria in Mineral Processing and Extractive Metallurgical Engineering were proposed and submitted to the Accreditation and Curricular Affairs Subcommittee for review. The subcommittee discussed and appointed three people to edit, and, ultimately, send a draft to various academic departments and industrial representatives for comment. Comments have been received and used to revise the criteria. They will once again be made available to academic departments and their industry representatives for comment, updates, and final approval by the Accreditation and Curricular Affairs Subcommittee. The plan is to submit a version approved by the Council of Education to the SME Board of Directors for consideration at the 2020 SME Annual Conference & Expo.

# SME PROFESSIONAL ENGINEER EXAMINATION COMMITTEE

As an addendum to the July 2019 SME PE Exam Committee article, Ta Li, SME Legion of Honor Member and Past President; and Andrew Schissler PE Coordinator, SME Founding Registered Member have provided the following historical update: The Mining/Minerals (MMP) PE Examination had its genesis through the work of Working Party #22 of the SME Planning Committee from 1978 to 1980. Claude L. Crowley, SME Executive Director and SME Membership drafted a strategic plan that included a goal of bringing the MMP from a state level to the national level. Working Party #22 was formed in 1978 consisting of Jack Hoskins, Chair from the University of Idaho, Kohler Stout from Montana Tech; Ernie Spokes from University of Missouri – Rolla, Ted Haley from University Kentucky, Thys Johnson from Colorado School of Mines, Leslie Gates Sr. of Gates Engineering (West Virginia University) and Ta Li, SME Staff Liaison. The Working Party accomplished its primary goals of bringing the MMP to the national level, engaging the National Council of Examining Engineers and Surveyors for exam administration, and having the MMP exam recognized by 25 states through reciprocity. These foundational accomplishments set the excellence that the MMP exam has achieved since. The first MMP PE exam was given twice in 1980 and graded by CSM Professors Thys Johnson and William Hustrilid. SME and its membership thanks Working Party #22 for its contributions.

Please join the **SME Foundation** for its
***Annual Gala Dinner and Silent Auction***
***SUNDAY, FEBRUARY 23, 2020***
Sheraton Phoenix Downtown
6:00 pm-7:00 pm | Cocktail Reception and Silent Auction
7:00 pm-8:30 pm | Dinner Program
8:30 pm-11:00 pm | Entertainment and Dancing
Dress: Business or Western Chic

SME FOUNDATION

**The Foundation of the**
**Society for Mining, Metallurgy & Exploration**
12999 E. Adam Aircraft Circle
Englewood, CO 80112
www.smefoundation.org

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## Thank You!

The SME Foundation thanks our Corporate Roundtable Partners for their encouragement, support and assistance in creating a stronger industry around the world, developing tomorrow's professionals and leaders, and strengthening relationships within our communities. To find out more or to lend your support, please visit the Foundation website at *www.smefoundation.org*.