



SME Announces Recipients of 2019 Ph.D. Fellowship and Academic Career Development Grants

The Society for Mining, Metallurgy & Exploration Inc. (SME) and the SME Foundation are pleased to announce the recipients of the 2019 Ph.D. Fellowship and the Academic Career Development Grants. The objective of the grant program is to help rebuild the mining school faculty pipeline which will provide the graduates that will become the leaders of the global mining and minerals industry.

Recipients of the 2019 mining academic grants are:

Freeport-McMoRan Career Development Grants

Jessica Wempen

Assistant Professor of Mining Engineering, University of Utah

QingQing Huang

Assistant Professor of Mining Engineering, West Virginia University

Shoemaker Ph.D. Fellowship Grant

Amy Richins

University of Utah, Mining Engineering

Stantec/McIntosh Ph.D. Fellowship Grant

Behzad Hassas

Pennsylvania State University, Mining Engineering

SME Ph.D. Fellowship Grant

Benjamin Teschner

Colorado School of Mines, Mining Engineering

The 2020 grant application period runs December 1, 2019 through January 31, 2020. For more information on the SME mining academic grant programs, please visit smenet.org/students/grants-scholarships

SME Foundation Executive Committee

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

LETTER FROM THE PRESIDENT

Dear SME Foundation Friends,

It is hard to believe that 2019 is half over and we are now in the last fiscal quarter for the SME Foundation. In this year's second quarter, the Foundation is pleased to have five new Corporate Roundtable Partners that understand and support the important programs of the Foundation. In addition, several of our current Corporate Roundtable Partners have committed their ongoing financial support. Thank you to each of our Partners as they are critical to the success of the Foundation programs.



In 2019, 1,510 individual SME members have donated to the Foundation. These donations have been received through a one-time significant donation, the monthly automatic withdrawal system, Foundation fundraisers or through the annual SME dues opt-in opportunity. Our sincere thanks to our SME members for your generous donations and commitment to the Foundation.

Almost 1,300 SME members chose the opt-in option this past year with their membership dues payment and shortly you will be receiving notices to renew your 2020 SME dues or an invitation to become a new member. The opt-in selection will once again be available and we would greatly appreciate if you decide to choose this option or continued your past support. If 50% of the SME membership chose the opt-in of \$25, approximately \$160,000 would be raised for the Foundation! It is quite a goal but definitely one that could be achieved!

The Ph.D. Fellowship and Career Development Grant Program continues to experience successes with grant recipients receiving tenure or PhDs on track, and in several instances ahead of schedule. Five new recipients have recently been awarded 2019 mining academic grants. The Ph.D. Fellowship and Career Development Grant Program is critical to the sustainability of U.S. mining schools and their faculty which in turn will provide the graduates and future leaders that the industry needs.

We are pleased to announce an exciting upcoming first time Foundation fundraiser. A benefit golf tournament is being held at Arizona's Gold Canyon Golf Resort on Saturday, September 7th. It will be a wonderful opportunity to support the Foundation while having a spectacular time on a beautiful golf course. You will find detailed information on the event within this newsletter. I look forward to seeing you on September 7th!

The work of the SME Foundation is to raise the funding necessary to meet the needs of the professional, outreach and education programs. This newsletter highlights several of the important activities that are ongoing to meet these fundraising challenges. However, it is the donors, both individuals and corporations, that are the cornerstone of the Foundation. Thank you for your past support. We ask for your continued help to provide quality programs for our members and the community we serve.

With sincere thanks and gratitude,

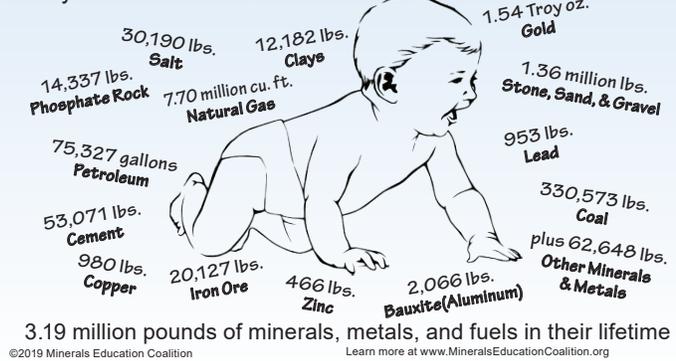
Mary B Korpi

Mary B. Korpi
SME Foundation President

THE 2019 MINERAL BABY IS HERE!

The MEC Mineral Baby for 2019, using data from 2018, is now available. The downloadable graphic and its data may serve a variety of purposes: classroom, general conversation, or data trend analysis. Calculations are based on a life expectancy of 78.6 years and mineral use data from the National Mining Association, the U.S.G.S. and the U.S. Energy Information Administration. To see the latest data in the amount of minerals the average American born today will use in their lifetime, see MineralsEducationCoalition.org/stats.

Every American Born Will Need...



THE 24TH WORLD SCOUT JAMBOREE

Scouts from around the globe are taking a “Journey to the Middle of Your Mobile” July 22 – August 2, 2019, at the Summit Bechtel Family National Scout Reserve in West Virginia. Volunteers will help guide participants through hands-on activities about the importance of mining and minerals in their lives. Major sponsors include the SME WAAIME division and CONSOL Energy. The booth is focused on mine safety, reclamation, public perception, exploration and careers in mining.



NATIONAL SCIENCE TEACHERS ASSOCIATION (NSTA) AREA CONFERENCES NEED YOUR HELP!

MEC provides K–12 educators with educational resources at three National Science Teachers Association (NSTA) area conferences each year. MEC will work with SME members, mining companies and other geoscience organizations to fund, plan and conduct this year’s conferences in Salt Lake City, UT (October 24–26), Cincinnati, OH (November 14–16) and Seattle, WA (December 12–14). MEC welcomes sponsorship of the boxes and printing, box assembly teams, donations of rock and mineral samples, and enthusiastic volunteers to talk with teachers during the event. Get involved in this valuable outreach by contacting Tanya Kriss at kriss@smenet.org.

UPCOMING EVENTS:



NATIONAL MINING HALL OF FAME AND MUSEUM

September 14, 2019
NATIONAL MINING HALL OF FAME INDUCTION BANQUET
 Grand Hyatt Denver



Research to Practice: Applied Technical Advances in the Hardrock Mining Industry

October 2-3, 2019
THRIVE 2019 CONFERENCE
 Vail, Colorado



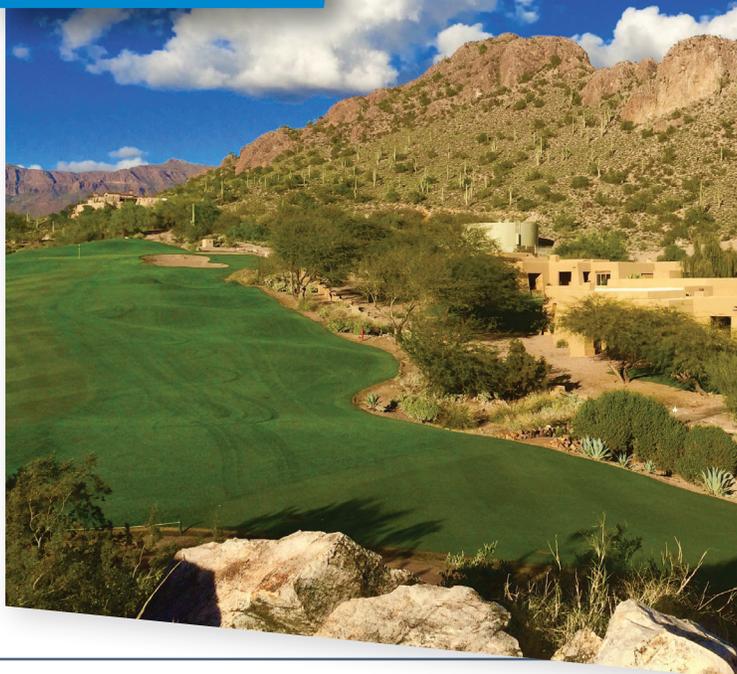
Make your plans to attend the 1st Annual Meeting!

Sustaining the Legacy of Process Excellence



October 4-5, 2019
SME NEVADA MPD INAUGURAL ANNUAL MEETING
 Reno, Nevada

**SPECTACULAR
SPONSORSHIP
OPPORTUNITIES!**



**SME FOUNDATION BENEFIT
GOLF TOURNAMENT**

The SME Foundation Benefit Golf Tournament will be held on Saturday, September 7, 2019 at the Gold Canyon Golf Resort in Arizona to raise funds in support of the education, outreach and professional development programs that benefit SME members, the community and the mining and metallurgy industry at large. More than 275 attendees, volunteers and spectators are expected to attend this exciting fundraising benefit golf tournament! It is anticipated that this event will raise over \$50,000.

Please visit community.smenet.org/golfingforgood for more information and sponsorship opportunities for this event.



Gold Canyon Golf Resort & Spa
6100 South Kings Ranch Road
Gold Canyon, Arizona 85118
480.982.9090

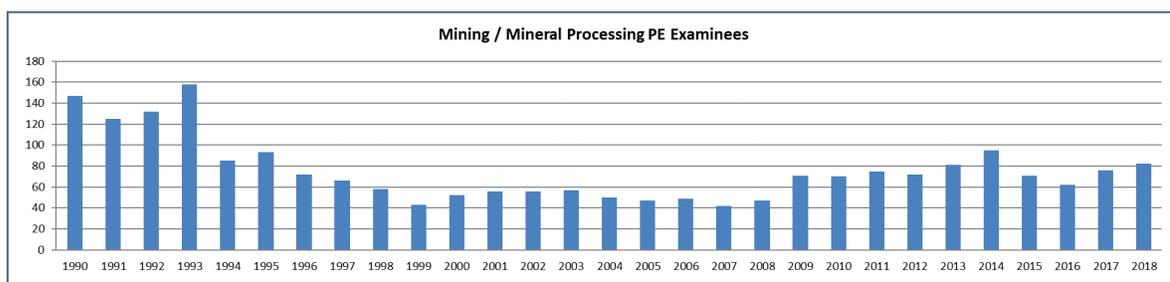
SME PROFESSIONAL ENGINEER EXAMINATION COMMITTEE

The SME Professional Engineer Examination (PE) Committee is one of the longest standing committees of SME, having a 40-year history of service excellence to the mining / mineral processing / environmental engineering disciplines. Some interesting facts and comparisons include:

- The initial meeting, held in 1979, was organized and driven by Jack Hoskins (then Dean of Engineering at the University of Idaho). Six out of eight PE Committee members present were Colorado School of Mines graduates, 1961–1963 classes.
- The 1983 Chair and continuous active committee member is John Macfadyen, PE.
- The 2019 Chair is Liane George, PE and the Vice Chair is Bill Balaz, PE.
- Committee membership in 1979 included eight PE members; there are 65 PE members today.
- In 1983 there were 101 questions fully-vetted and examined and placed in the vault for use; in 2019, 715 questions were placed in the vault.
- The examination form consists of: essay 1979 to 2001 (20 questions), multiple choice 2002 to 2020 (80 questions), computer-based multiple choice and alternative format 2021+ (90 questions).

On March 15–16, 2019, 15 PEs met at Clemson, SC to finalize the 2020 examination and prepared the question bank for computerization. A meeting is scheduled for August 16–17, 2019 in Clemson to finish writing the second edition of the Mining Reference Handbook.

Results:





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



- Pg. 1** Fellowship & Grant Recipients, President Letter

- Pg. 2** 2019 Mineral Baby, Upcoming Events:
National Mining Hall of Fame Induction Banquet,
THRIVE 2019 Conference, SME Nevada MPD
Inaugural Annual Meeting

- Pg. 3** SME Foundation Benefit Golf Tournament,
SME Professional Engineer Examination Committee

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.

