



WELCOME TO SME

OVERVIEW OF SME AND SME FOUNDATION PROGRAMS



SME

Society for
Mining, Metallurgy
& Exploration

Inspiring mining
professionals worldwide.

ABOUT SME

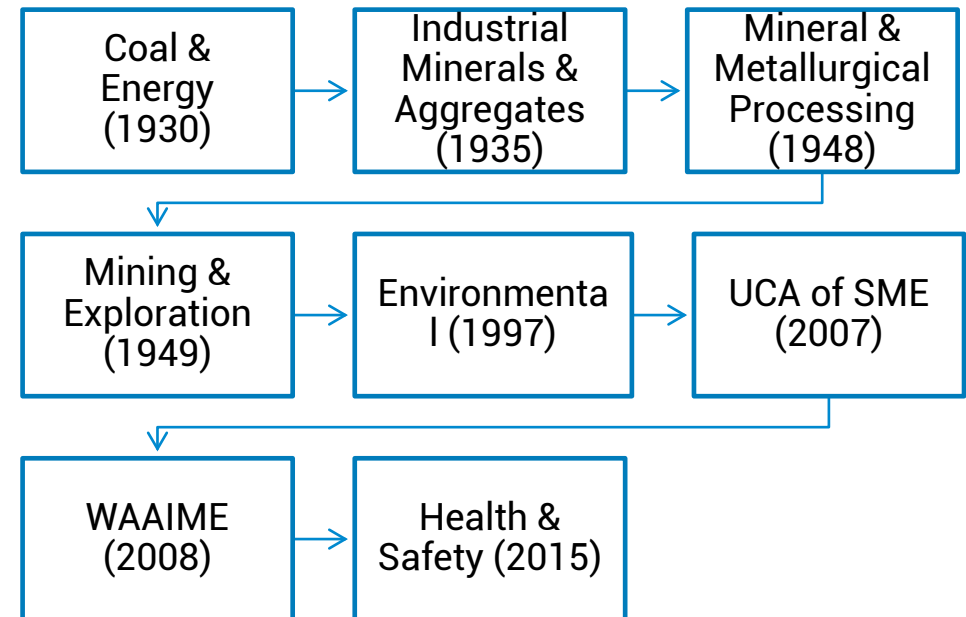
- **The Society-** The Society for Mining, Metallurgy, and Exploration (SME) is a professional society (nonprofit 501(c)(3) corporation) whose 13,000 members represent all professionals serving the minerals industry in more than 90 countries. SME members are engineers, geologists, metallurgists, educators, students and researchers. SME advances the worldwide minerals community through information exchange and professional development. SME's staff of 51 are located in Englewood, Colorado.
- **Mission-** Serves the mining, resources, and underground construction communities for a sustainable future.
- **Vision-** To be the premier community building a better world through mining, metallurgy, and underground construction.

ABOUT SME

Brief History

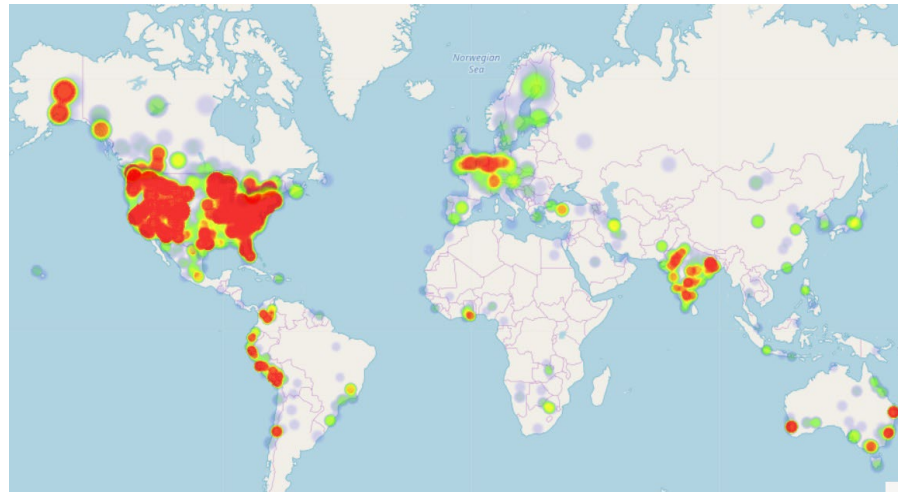
A member society of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME), SME's roots date back to 1871 when a handful of coal mining engineers founded AIME. Since its inception, SME has continued to evolve over the years to stay abreast of industry changes and to reflect the ever-broadening interests of its members.

SME Divisions (year established)



SME MEMBERSHIP

- SME is one of the world's leading mining technical societies.
- The Society provides leading edge technical and other resources to help members stay current, expand their networks and remain relevant in the mining industry.
- SME membership: 14,000 worldwide
 - US membership: 73%
 - International membership: 27% from 75+ countries



SME STUDENT CHAPTERS

- SME student members: 1,239
- SME student chapters: 85
 - US: 23
 - South/Central America & Mexico: 40
 - Other International: 22
- Student activities:
 - SME/NSSGA Student Design Competition
 - SME Metallic Student Design Competition
 - Student Engagement Breakfast
 - Student Forum
 - Graduate Student Research Poster Contest
 - MPD Student Poster Contest
 - Environmental Poster Contest
 - Move Mining Competition
 - SME Photo Contest
 - Student Chapter Report Contest
 - Student Chapter Membership Challenge
 - MEC Student Chapter Award
- ABET accredited mining engineering programs in the US: 13





WELCOME TO THE SME FOUNDATION

ESTABLISHED IN 1991



The mission of the SME Foundation is to attract and leverage resources for a sustainable mining industry through education and outreach.



CURRENT SME FOUNDATION FUNDED PROGRAMS

- PhD Fellowship and Career Development Grant Program
- ABET (University Accreditation for Minerals Programs)
- Professional Engineer (PE) Licensure Committee
- Minerals Education Coalition (MEC)
- College Scholarships
- Miners Give Back





PhD Fellowship and Career Development Grant awardees to date:

There are 21 current and former participants in the **PhD Fellowship program**

- **Six** PhD Fellowship awardees have earned their PhDs
- **One** PhD recipient has accepted an assistant professorship position

There are 14 current and former participants in the **Career Development Grant program**

- **Nine** Freeport-McMoRan Career Development Grant awardees have achieved tenure
- **One** Freeport-McMoRan Career Development Grant awardee has accepted a faculty position and promotion



ABET

ABET – Accreditation for Minerals Programs

ABET, Inc., is the non-governmental organization that accredits more than 4,360 applied science, computing, engineering and engineering technology programs at more than 850 institutions in 41 nations.

- Eighteen Program Evaluators (PEVs) were nominated for geological, mining, and mineral engineering, and geology degree program visits for the 2022-2023 review cycle
- Ten visits are in the U.S. and will be conducted in person. Six program evaluation visits to foreign institutions will be completed virtually.



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SME Professional Engineers Committee

- The PE Exam is administered annually in October
- The PE Review course will be held in September 2022 in Denver, CO
- The 2021 PE Exam was the first computerized examination for the Mining/Mineral Processing discipline
- The PE Committee is supervising the writing of Edition II, *Mining Reference Handbook*
 - This will be the single-reference allowed in the PE exam beginning in 2021

Minerals Education Coalition

- **MEC Scouting Outreach - Mining in Society Merit Badge** -Scouts learn about mine safety, reclamation, exploration and careers in mining
- **Move Mining Competition**- Competing teams (many are college students) share ideas on how to change the world's perception of mining and finalists compete live at the SME Annual Conference & Expo
- **Move Mining Next Gen Competition**-K-12 student teams demonstrate the importance of mining and minerals in everyday life via an online video competition
- **American Geosciences Institute's Earth Science Week (ESW)**-Provides resources for ESW teacher toolkits
- **National Science Teaching Association (NSTA) Conference**-Annual National conference providing minerals and mining resources to educators
- **USA Science and Engineering Festival, Washington, DC**- Biennial spring event



Miners Give Back Award

Mission: The mission of Miners Give Back is to support initiatives focused on humanitarian efforts and community service that tangibly improves the lives of individuals and inspires a commitment to give back to the local community.

Miners Give Back Award

The Miners Give Back Award is for the recognition of SME Section community service and/or other humanitarian outreach activities. This award recognizes the outstanding efforts of an SME Section for their accomplishments in community service and humanitarian outreach by members of the mining/mineral community to serve the mission of Miners Give Back.

The logo for the Society of Mining Engineers and Geologists (SME). It consists of the letters "SME" in a white, bold, sans-serif font. A thin, curved line in a light green color arches under the letters. A small registered trademark symbol (®) is located to the right of the letters.

SME



SME Foundation Scholarships

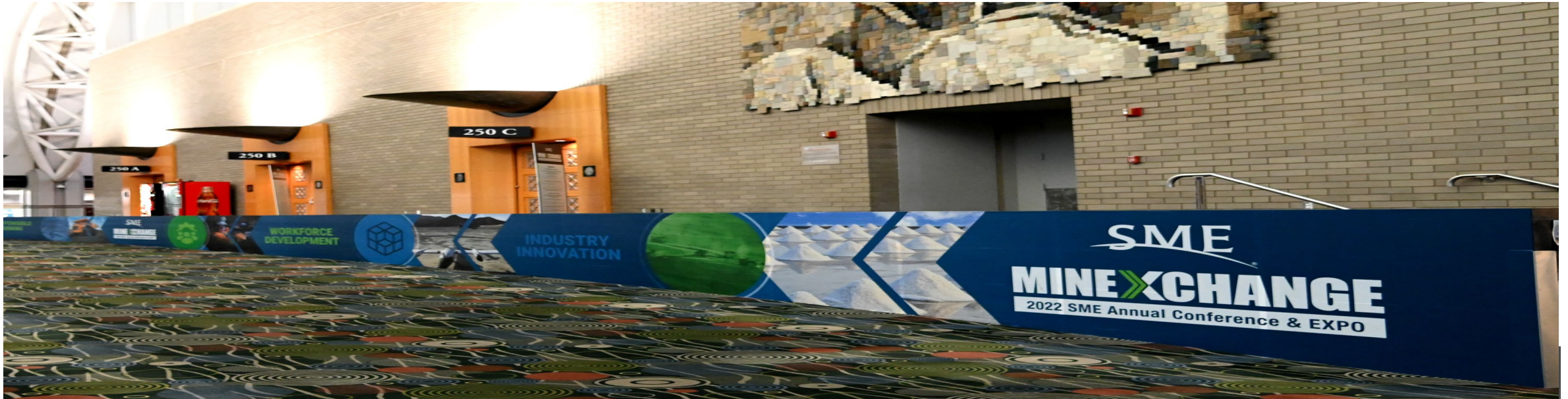
- MMSA/SMEF Presidential Scholarship
- Stantec/McIntosh Engineering Scholarship Fund
- Syd S. & Felicia F. Peng Ground Control in Mining Scholarship
- J. H. Fletcher & Co. Engineering Scholarship
- Ernest K. Lehmann Memorial Scholarship
- George V. Weisdack Memorial Scholarship
- Raja V. & Geetha V. Ramani Graduate Students Award

Seventeen scholarships totaling \$68,500 were awarded to students by the SME Foundation during the MINEXCHANGE 2022 SME Annual Conference & Expo.

FY22 FUNDRAISING NEEDS

- **The Foundation must raise over \$1.07 million in FY2022 to meet budgetary needs**
 - General Fund - \$235,000
 - ABET – \$15,000
 - PE - \$15,000
 - MEC - \$196,000
 - Move Mining – \$25,000
 - Scouting Outreach - \$10,000
 - Miners Give Back Award - \$0
 - PhD Fellowship and Career Development Grants - \$575,000





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