



ANNUAL REPORT

SME
Society for
Mining, Metallurgy
& Exploration[®]



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2019 Set the Stage for a Great Future

The major accomplishments of 2019 largely focused on advancing several strategic initiatives intended to enhance member value, addressing important challenges facing the mining and underground construction industries, and seizing upon opportunities to strengthen the Society. Paramount among these accomplishments was the development of the 2020-2025 SME Strategic Plan that will serve as the organization's guide for the next five years.

With the assistance of an external facilitator, this effort represented a significant undertaking by both SME leadership and staff, and involved the solicitation of input from nearly every constituency within the Society. The resulting product represents a highly functional and well-conceived document that outlines the near-term objectives of the Society. It is already responsible for facilitating a proposal to make several significant changes to the structure of SME in order to improve organizational efficiency and be more responsive to member needs. This includes the proposed realignment of the strategic committees to better achieve the objectives of the new Strategic Plan. Simultaneously, an ad-hoc committee reviewed the structure and responsibilities associated with the Society's numerous academic committees and made several recommendations to redefine committee objectives, establish collaborations with other organizations and improve functionality. Other key initiatives that aligned with the objectives of the Strategic Plan seek to address the challenges associated with workforce inclusion and diversity, the sustainability of mineral engineering programs in higher education and the public perception of mining and underground construction.

A major effort this year has been devoted to expanding value creation for members, particularly for those unable to attend conferences or directly participate in SME activities at a national or international

level. As in past years, the Society has continued to emphasize the importance of local sections and is committed to providing the resources and assistance needed to support section governance, programming and growth. Furthermore, SME fully understands that the interface for many members with Society is through the website and other electronic media. As such, SME is committed to developing a high-quality, world-class website that is functional and easy to navigate, and has dedicated more than \$400,000 toward its development. SME is continuing to offer webinars and electronic programming that are both topical and crucial to the professional development of our members. Other important member services that can be accessed electronically are OneMine.org, the single largest global database of publications on mining and mineral resources, *Mining Engineering* magazine and the new *Mining, Metallurgy & Exploration* (MME) Journal.

In response to a series of catastrophic failures of tailings impoundments, the focus of the 2019 mega-issue was mine tailings storage facilities and mine wastes. An ad-hoc committee was formed and it created an ambitious agenda with committee members representing a wide variety of disciplines across the Society. Their accomplishments have thus far exceeded all expectations, and include the keynote address and a five-session symposium to be held at the MineXchange 2020 SME Annual Conference & Expo in Phoenix, AZ, a forward-looking presentation at the 2019 Thrive Conference, international participation in collaborative efforts with other professional organizations through GMPA, the review of ICMM's tailings guidelines, and the proposed development of applied handbook on tailings management and remediation. The issues surrounding mine wastes will continue to be of paramount importance to the industry for the foreseeable future and as a global technical organization, it's imperative that SME takes a leadership role in addressing these challenges.



Hugh B. Miller
2019 SME President

"SME is committed to developing a high-quality, world-class website that is functional and easy to navigate, and has dedicated more than \$400,000 toward its development."

SME Will Move Forward with a New Plan



Dave Kanagy, CAE
SME Executive Director

“There is a new generation of members moving into leadership positions within the Society and they bring new ideas that will enhance our service to all members.”

The mission for the past five years, as defined by the 2014 SME Board of Directors, has been, “SME will be recognized internationally as the leading professional mining organization.” SME has carefully moved in the direction of this mission statement with recognition by many important mining groups that SME is a premier resource for access to information for the mining community. Nearly every day, SME receives requests for information and resources and to assist other groups with their programs and projects through SME’s participation and information. The leadership of the Society over the past five years has been remarkable, and the 2019 SME Board of Directors has done an outstanding job. Now it’s time to look to the next five years.

During the past 15 years, SME has been blessed with reasonable financial resources and the Society is investing those funds into improving the value to members. We are excited about some of the changes you’ll see in the next few months as we introduce a new website that will feature improved navigation, content and functionality for members and others looking to interact with the Society. The three main reasons for members and stakeholders to engage with the Society include a retail need (renew dues, purchase a book, register for a conference, etc.), to find the latest news of the mining industry, or to complete research by reviewing papers or articles and finding information about the Society. These will all be delivered in a new and different way starting later in 2020.

In the development of the new 2020-2025 Strategic Plan, you’ll note that the Society has committed to several key goals: Innovation, Workforce

Development, Environmental Stewardship and Association Growth. All four of these goals focus on our members and their desire to enhance SME’s move toward a sustainable future with relevant and science-based information.

There is a new generation of members moving into leadership positions within the Society and they bring new ideas that will enhance our service to all members. The SME leadership has surveyed and listened to this generation of members. The staff of SME is prepared to support these projects and programs that will provide an information resource with an economic value to the organization to propel the organization into the next decade. The 2020s for SME will be filled with opportunity, and SME will be ready and prepared to meet those challenges.

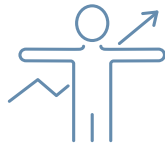
In the past year, our leadership has carefully set the Society up for success. They have provided good direction with a high level of sensitivity to issues affecting all segments of the various components of the industry. It is well recognized that every segment has its own issues and that those issues need solutions to maintain a sound and successful mining community. SME welcomes all types of members to help with all issues as we move forward into the next Strategic Plan.

“Hope is not a good business plan” and the SME Board is not allowing the Society to be driven by chance. The next five years will be filled with great excitement as we implement this new plan. I thank Hugh Miller for his leadership during the past year as SME President and for all the volunteers who have helped us achieve the Society’s goals over its lifetime.

SME 2019 HIGHLIGHTS



Mining, Metallurgy & Exploration Journal publishes six issues in inaugural year.



Membership grew 2% in 2019. One new section and seven new student chapters were created.



SME adopts new Strategic Plan.

Mineral Processing & Extractive Metallurgy was updated and published – the two-volume set is the cumulative work of two editors and more than 200 contributing authors.



MEC shared mining and mineral information with BSA Scouts from around the world at the World Scouting Jamboree. 4,650 Scouts earned the badge.

More than
\$400,000

in scholarships were awarded to students through SME, UCA, SMEF, and WAAIME.



UCA of SME members participated in a legislative fly-in to share critical underground construction issues with Congress.

The Certified Mine Safety Professional (CMSP) Review Course was implemented for professionals to prepare for the CMSP exam.



More than 9,500 industry professionals and students attended SME and UCA events.



The first Robert E. Murray Innovation Award was presented to NIOSH at the 2019 SME Annual Conference & Expo.



The Ph.D. Fellowship and Career Development Grant Program has awarded 10 Career Development Grants and 15 Ph.D. Fellowships.

Source for professional development:

300+ webinar attendees and short course attendees.

More than
140,000:

Miles logged by Dave, Hugh and the executive team collaborating with sister associations and other key industry groups about issues critical in moving our industry forward.



Officers



Hugh B. Miller, Ph.D.
President, 2019
Colorado School
of Mines



Robert W. Schafer
President-Elect, 2019
Eagle Mines
Management, LLC



Barbara J. Arnold, Ph.D.
Past President, 2019
PrepTech Inc.



David L. Kanagy
Executive Director/Secretary
Ex-officio/nonvoting
SME

Directors-at-Large

Term 2017-2020



Mary M. Poulton, Ph.D.
Professor Emeritus,
University of Arizona



Ronald L. Parratt
Executive Chairman
Renaissance
Exploration Inc.

Term 2018-2021



Rick Honaker, Ph.D.
Professor
University of Kentucky



Dave Rogstad
President & CEO
Frontier Kemper
Constructors Inc.

Term 2019-2022



Robert P. Kudlawiec
Senior Project Manager
Tetra Tech Inc.



Tim Swendseid
Consultant

Strategic Education & Professional Development Committee

Mary Poulton, *Chair, SME Board Member*
Thomas Camm, *Member-at-Large*
Rich Wagner, *Member-at-Large*
Vlad Kecojevic, *Member-at-Large*
William Crowl, *Member-at-Large*
Kim Morrison, *Member-at-Large*
Erik Lutz, *Member-at-Large*
Tara Davis, *Staff Liaison, Non-Voting*

Strategic Products & Services Committee

Tim Swendseid, *Chair, SME Board Member*
Claudio Cossio, *Member-at-Large*
Madan Singh, *Member-at-Large*
Steve Richards, *Member-at-Large*
Genevieve Sutton, *Member-at-Large*
J.D. Wientjes, *Member-at-Large*
Matt Furniss, *Member-at-Large*
Emma Salditt, *Staff Liaison, Non-Voting*

Strategic Finance Committee

Ron Parratt, *Chair, Board Member*
Justin Anderson, *Member-at-Large*
Tim Alch, *Member-at-Large*
Jonathan Beigle, *Member-at-Large*
William Crowl, *Member-at-Large*
Chuck Yarbrough, *Member-at-Large*
Thomas Rauch, *Member-at-Large*
Jami Dwyer, *Member-at-Large, Non-Voting*
Bret Wichert, *Staff Liaison, Voting*

Strategic Structure & Governance Committee

Rick Honaker, *Chair, SME Board Member*
Don Dwyer, *Member-at-Large*
Jayson Ripke, *Member-at-Large*
Ryan Murray, *Member-at-Large*
Michael Moats, *Member-at-Large*
Jerry Gaunt, *Member-at-Large*
Resa Furey, *Member-at-Large*
Melanie Penoyar-Perez, *Staff Liaison, Non-Voting*

Strategic Outreach Committee

Bob Kudlawiec, *Chair, SME Board Member*
Angie Harmon, *Member-at-Large*
Xavier Ochoa, *Member-at-Large*
Liz Arnold, *Member-at-Large*
Charles Beasley, *Member-at-Large*
David Bieber, *Member-at-Large*
John Haynes, *Member-at-Large*
Laura Nelson, *Staff Liaison, Non-Voting*

Strategic Nominating Committee

Hugh Miller, *Chair, SME Board Member*
Robert Schafer, *Chair-Elect, President-Elect*
Rick Honaker, *Member-at-Large, Board Member middle of term*
Dave Rogstad, *Member-at-Large, Board Member middle of term*
Patrick Gorman, *Member-at-Large*
Michael Moats, *Member-at-Large*
Marc Herpfer, *Member-at-Large*
Pam Wilkinson, *Member-at-Large*
Dave Kanagy, *SME Executive Director, Non-Voting*
Genny Homyack, *Staff Liaison, Non-Voting*

Members are the lifeblood of SME and supply the knowledge and volunteer resources to move the organization forward.

Highlights

- SME membership was 13,630 at the end of 2019, an increase of 2 percent over year-end 2018.
- Seven new student chapters were formed in 2019. SME now has 73 student chapters, including 19 in the United States and 54 international.
- A new SME section was formed in 2019 in El Paso, TX. SME now has 48 local Sections: 44 in the United States plus four International Sections.



Membership Outreach

- A series of marketing campaigns to recruit new members and retain existing members was implemented in 2019. Recruitment campaigns targeted prospective and lapsed members, while other campaigns to current members focused on retention plus reminders about the value of membership.
- SME exhibited at 15 conferences and trade shows in the United States, Canada and Latin America.
- SME partners with EnginZone to recruit and retain members in Latin America. In addition to developing six new student chapters in South America and Mexico, EnginZone exhibited at Perumin 2019, one of South America's largest mining conferences.

Sections

Sections strengthen SME's mission to serve professionals in the mining community and provide a local touchpoint for members. Sections provide professional development and networking opportunities to members via local meetings and conferences. In addition, sections award scholarships and conduct outreach to K-12 students and teachers, university students and their local communities. In 2019, the El Paso Section and the Nevada MPD Subsection were formed.

Sections

- United States: 44
- International: 4
- New Sections formed in 2019: 1

Student Chapters

SME offers a variety of activities for students, including the annual Student Chapter Contest, Student Membership Challenge and the Student Design Competition at the SME Annual Conference & Expo. Student Chapters provide professional development and leadership opportunities for students, many of whom continue on as associate and then professional members of SME.

Student Chapters:

- United States: 19
- International: 54
- New student chapters formed in 2019: 7

Seven new Student Chapters were launched in 2019:

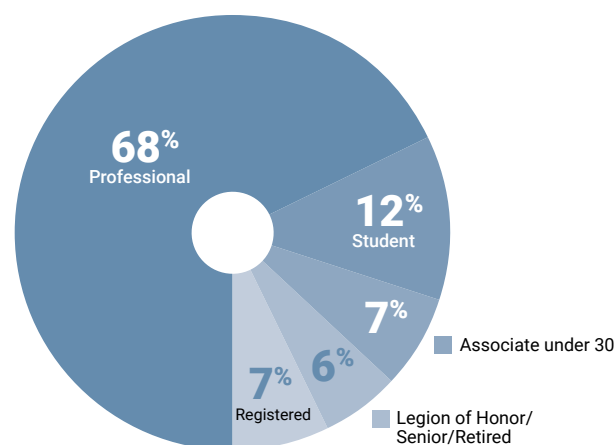
- National Institute of Technology, Raipur, India
- The Higher Technological Institute, Arequipa, Peru
- Escuela Superior de Ingenieria, Coahuila, Mexico
- Universidad Autonoma de Nuevo Leon, Nuevo Leon, Mexico
- Universidad Continental, Huancayo, Peru
- Universidad Francisco de Paula Santander, Cucuta, Colombia
- Universidad National De Huamanga, Peru

NUMBER OF MEMBERS:

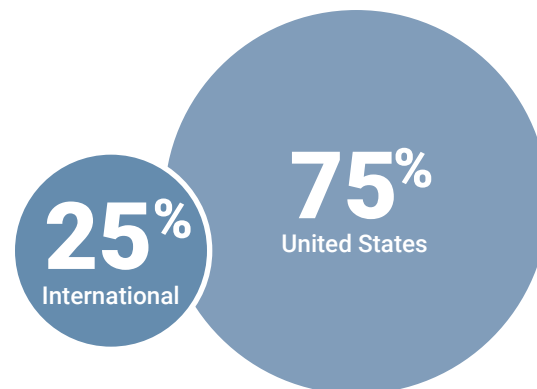
13,630

as of 12/30/2019

Members by Type



Members by Geography (primary country)



Members by Division

Coal & Energy Division	1,422
Environmental Division	1,156
Health & Safety Division	508
Industrial Minerals & Aggregate Division	943
Mineral & Metallurgical Processing Division	2,051
Mining & Exploration Division	4,586
Underground Construction Association	1,543

SME is recognized as a global leader in hosting professional conferences and exhibits for the mining and underground construction industries. In 2019, SME hosted seven conferences and 11 short courses, with more than 9,500 attendees across the conferences. The 2019 SME Annual Conference & Expo and 121st National Western Mining Conference was held in Denver, CO, Feb. 24-27. More than 6,600 people attended the conference and expo that featured 126 technical sessions. Among the attendees were 793 international attendees from 43 countries and 623 student attendees.

In June, SME hosted the Rapid Excavation and Tunneling Conference (RETC) in Chicago, IL. More than 1,400 people attended this conference that featured 205 exhibit booths.

The following is a look at all the events presented by SME in 2019.



2019 SME and UCA of SME Meetings

George A. Fox Conference

Jan. 22, 2019 | New York, NY

SME Annual Conference & Expo

Feb. 24-27, 2019 | Denver, CO

SME Minnesota Conference

April 6-8, 2019 | Duluth, MN

Rapid Excavation and Tunneling Conference (RETC)

June 16-19, 2019 | Chicago, IL

International Conference on Ground Control

July 22-25, 2019 | Morgantown, WV

THRIVE 2019 Conference

Oct. 2, 2019 | Vail, CO

Review Course for the Professional Engineer (P.E.) Examination of Mining/Mineral Processing Engineers

Sept. 13-18, 2019 | St. Louis, MO

CMSP Review Course

Nov. 14-16, 2019 | Denver, CO

Cutting Edge Conference

Nov. 19-20, 2019 | Miami, FL

**In conjunction with the ITA Tunnelling Awards 2019.*

SME Arizona Conference

Dec. 8-9, 2019 | Tucson, AZ

“What’s nice to see is the innovation that is being driven. It’s not stagnant. This is where you get a real taste of what is out there, the next latest, greatest thing.”

– Turnstone Industrial Solutions

Stats:



SHORT COURSES: **11**



SPONSORS: **211**



ATTENDEES: **10,636**



EXHIBITORS: **989**



TECHNICAL SESSIONS: **200+**

SME launched two new products in 2019 – *Mining, Metallurgy & Exploration* journal (**MME**) and the new *Mining Engineering* website.

All of SME's peer-reviewed technical papers were consolidated into **MME**, with the *SME Transactions* and the "Technical Papers" section of *Mining Engineering* merged into **MME** to form an all-SME journal that covers the breadth of the Society's fields of interest. Available at smenet.org/publications-resources.

The new website (me.smenet.org) delivers timely news, the full version of the magazine in pdf and flipbook formats, a commodities ticker and archives.

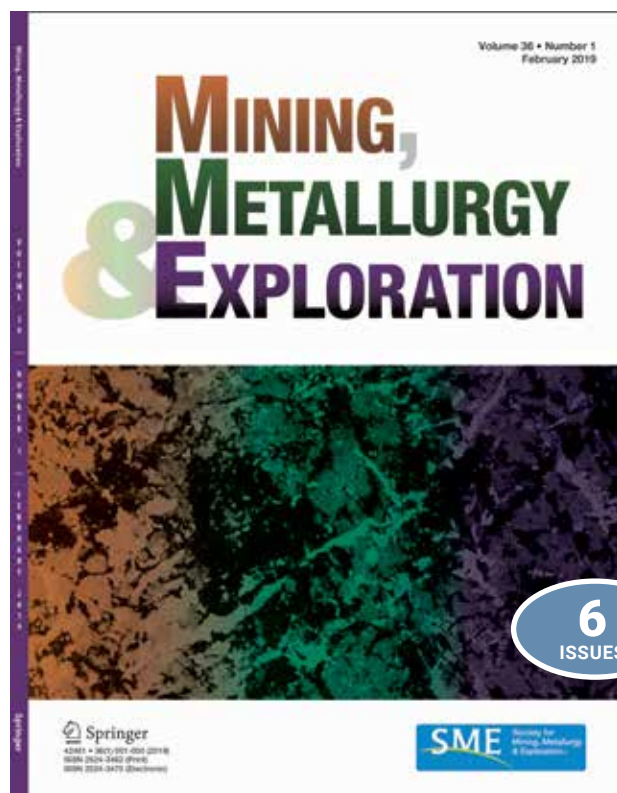
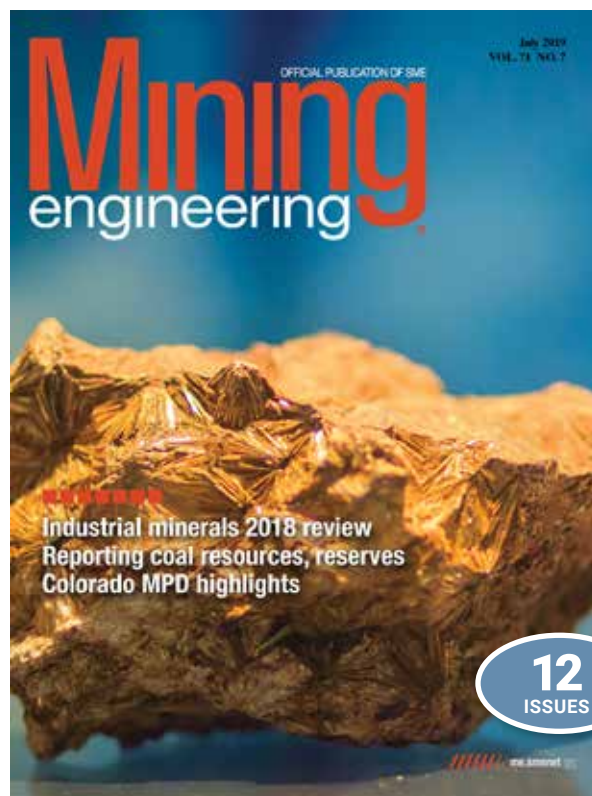
SME also publishes *T&UC* quarterly, the official publication of the UCA of SME.

Mining, Metallurgy & Exploration Journal

- Launched Jan. 2019
- More than 100 papers published
- Great reviews

New Mining Engineering website

- Daily news
- Archives
- Commodities ticker
- Mobile friendly



SME continues to enjoy its reputation as the premier publisher of mining related titles. The current list of published titles has expanded to 120 print books and 68 ebooks.

In 2019, SME successfully introduced book bundles. Now members can purchase the same title in print and eBook format and save 25%. This program has proved lucrative and extremely popular with more than 110 bundles sold to date.

A significant new title, *SME Mineral Processing & Extractive Metallurgy*, was published in February 2019. This landmark publication distills the body of knowledge that characterizes mineral processing and extractive metallurgy as disciplinary fields. It will inspire and inform current and future generations of minerals and metallurgy professionals. The book has received rave reviews and outpaced all other SME book releases in early sales.



SME also published these titles in 2019:

- *Beneficiation of Phosphates: Sustainability, Critical Materials, and Smart Processes*
- *Challenges and Opportunities in Coal Preparation*
- *Proceedings of the 38th International Conference on Ground Control in Mining*
- *Rapid Excavation & Tunneling Conference: 2019 Proceedings*
- *Recommended Contract Practices for Underground Construction, Second Edition*

SME acquired these books for resale:

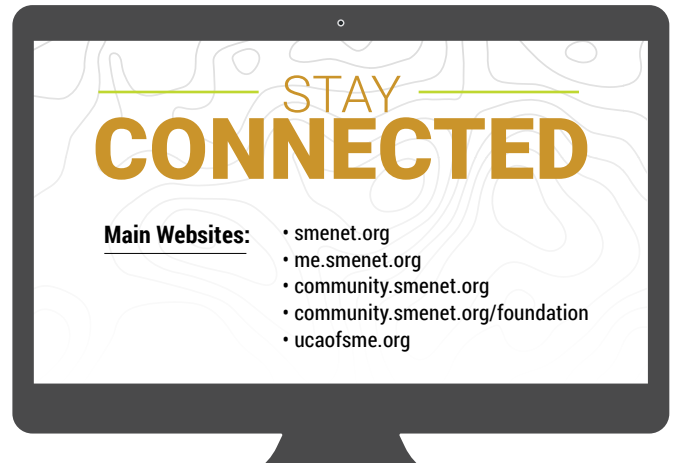
- *Designing Ergonomic, Safe and Attractive Mining Workplaces*
- *Mining Haul Roads; Theory and Practice*
- *Rotary Drilling and Blasting in Large Surface Mines*

The SME Bookstore continued to travel during 2019. Attendees were able to purchase books at the SME Annual Conference & Expo, Prospectors and Developers Association of Canada conference, North American Tunneling Conference, and Perumin.



Delivering a broad and comprehensive communications strategy is essential to engaging and informing our membership and supporting SME activities. In 2019, our digital and print efforts expanded.

The process of redesigning the SME and UCA websites began in February, with the anticipated launch date of July 2020. *Mining Engineering* unveiled a new website to deliver daily industry news and an online version of the magazine.



Instagram

FOLLOWING TRENDS, THE ASSOCIATION CONTINUED TO SEE GROWTH IN ITS SOCIAL MEDIA CHANNELS.

Launched Instagram account @smecommunity. This provides an additional avenue for membership to engage, as well as an additional platform to promote and support SME activities.



@smecommunity

LinkedIn

By delivering timely industry news and other relevant industry information, LinkedIn followers increased by

37% WITH AN ACTIVE ENGAGEMENT RATE OF 2.7%.



/company/society-for-mining-metallurgy-and-exploration

Facebook

REACHED MORE THAN 370,000 USERS ON FACEBOOK

and effectively increased follower count by 8% for a total of 19,582 in 2019.



/SocietyForMining | /WeBuildBeneath | /mineralseducationcoalition

Twitter

A focus on enhancing visual media on Twitter enabled our account to acquire

A TOTAL OF 276.3 THOUSAND IMPRESSIONS AND GAINED A 4% INCREASE IN FOLLOWERS.



@smecommunity

Emails

SME reinforced efforts to provide comprehensive communications via email. A total of 403 emails were sent to over

3.4 MILLION RECIPIENTS, AVERAGING A 22.98% OPEN RATE.



Press Releases

A TOTAL OF 18 MAJOR PRESS RELEASES WERE SENT IN 2019 TO 35,000 ADDRESSES.

Using two separate platforms resulted in an average open rate of 15% for 2019.



smenet.org/about-sme/press-releases

YouTube

SME videos received 15,400 views spread over 610 hours of watch time,

AND INCREASED CHANNEL SUBSCRIBERS BY 31%.



c/SMESocietyForMining

Coal & Energy

Highlights

- Raised \$5,060 for scholarships in 2019
- Awarded \$35,000 in C&E Division Scholarships to 13 students
- Awarded \$7,500 in John Sidney Marshall Scholarships to nine students
- Updating the *C&E Division Handbook*



Manoj Mohanty
2019 Division Chair

Summary

The division continues to see a decline in membership, which is a serious concern. Downturn in coal industry employment appears to be the major reason. The division is trying to reach out to the earth-based energy communities, including the geothermal energy group to increase division membership.

The Coal & Energy Division held a 50/50 Ticket Raffle in conjunction with its silent auction event during the annual luncheon at the SME Annual Conference & Expo in Denver. Adding in a match provided by Murray Energy, the Division raised \$5,060 for its scholarship fund.

Environmental

Highlights

- Organized the 2020 Annual Conference field trips

2019 Fundraising & Scholarships

- Generated \$4,058 in income for the Division's scholarship fund. The Division presented three \$2,000 scholarships, and one Veolia Water Technologies \$2,000 scholarship, for a total of \$8,000.
- The third annual Environmental Division Student Poster Session. A total of \$1,500 in prize monies was awarded to the top three entries.

2019 Annual Meeting

- **Two Outstanding Technical Papers were selected:**
Biodiversity Offsets and Local Communities – Three Case Studies from Latin America – Jared Hardner (Hardner & Gullison Associates)

Passive Metal Recovery and Mine Water Treatment Using Crushed Concrete – Adrian Brown, (Adrian Brown Consultants)



William Lipps
2019 Division Chair

Health & Safety

Highlights

- Delivered first CMSP Review Course Nov. 14-16
- Hosted three CMSP testing opportunities
- Developed a strategic plan, building off a needs assessment survey in 2018



William Pratt Rogers
2019 Division Chair

Summary

The CMSP exam was administered three times and 21 people have earned the certification since SME acquired it in 2018.

The fourth annual Health & Safety Division 5K Fun Run and Walk and annual awards breakfast raised significant funds for the division during the 2019 SME Annual Conference & Expo.

Additionally, the Health & Safety Division delivered seven webinars, provided monthly Safety Share columns to *Mining Engineering* magazine and continued its work on a five-year strategic plan which is a continuation of the needs assessment survey from 2018.

Industrial Minerals & Aggregates

Highlights

Completed the annual industrial mineral review for the July issue of *Mining Engineering* magazine. Jim Norman served as the editor of the project with the help of a number of technical committee vice chairs. This year the review covered in depth 35 major commodities.



Jerry Gauntt
2019 Division Chair

The Division received 44 applications for its annual scholarship. Finalizing agreements with the Forum on the Geology of Industrial Minerals (FGIM) to incorporate this group into the IM&AD. Hopefully this can be finalized at the 2020 annual meeting.

Mineral & Metallurgical Processing

Highlights

- Published *SME Mineral Processing & Extractive Metallurgy Handbook*
- Guest-edited the launch issue of the *SME Mining, Metallurgy & Exploration* journal
- Organized Special Symposium in Honor of Prof DW Fuerstenau
- Participated in organizing the Copper 2019 conference



James P. Metsa
2019 Division Chair

Summary

At the 2019 SME Annual Conference & Expo, the division's *SME Mineral Processing & Extractive Metallurgy Handbook* was launched. The division also guest-edited the new *SME Mining, Metallurgy & Exploration* journal's inaugural special issue based on the division's Special Symposium in Honor of Prof. Douglas Fuerstenau. The MPD Scotch Nightcap raised \$47,220 for the division, while the MPD Calendar raised another \$21,000. The MPD Student Poster Contest celebrated its 10th year. The division participated in organizing the Copper 2019 conference in Vancouver, and in September signed an agreement with four international societies – AusIMM, CGA, CIM and SAIMM – to host the World Gold conference in 2025.

Mining & Exploration

Highlights

The Mining & Exploration Division offered attendees 202 technical presentations in 31 technical sessions at the 2019 Annual Conference & Expo in Denver, CO. Topical subjects ranged from emerging technologies and management to mining history and career development.

The division gave a generous \$10,000 donation to the SME Foundation's Ph.D. scholarship program.

The division awarded scholarships to 10 students, in the United States and abroad, totaling \$20,000.

The new Harry Parker Excellence Award, for exemplary performance in the fields of resource modeling and geostatistics, was approved for presentation at the MineXchange 2020 Annual Conference & Expo. The first recipient is Harry Parker (posthumously).



Brad Atkinson
2019 Division Chair

UCA of SME

Highlights

- Delivered two successful conferences:
 - 2019 George Fox Conference
 - Cutting Edge 2019
- Published the book *Recommended Contract Practices for Underground Construction*.
- Launched "Down for That" a website and outreach effort targeted at drawing talent to the underground construction industry.



Bob Goodfellow
2019 Division Chair

Summary

UCA members identify workforce as a top business challenge. To help combat this reality "Down for That," a multimedia effort to target students and provide information about jobs in the underground construction space was launched at www.undergroundcareers.org.

In addition, UCA leaders participated in World Tunneling Congress activities. In 2020, working group involvement, paralleling that of the International Tunneling Association, will be expanded.

WAAIME

Highlights

1. Topped \$300,000 in scholarships awarded to international sections, graduate, and undergraduate students.
2. Donated \$10,000 to the Minerals Education Coalition outreach effort at the BSA World Scout Jamboree to promote mining.
3. Pinal Mountain WAAIME Section donated 450 *Rocks and Minerals* books to every 4th grader in the area.
4. International WAAIME Sections established learning committees and mentoring programs to support young leaders.
5. Executive Committee visited the Lima Section to promote WAAIME activities and new memberships.



Jean Davin
2019 Division Chair

SME Foundation Thanks Its Supporters



Mary B. Korpi
SME Foundation President

“SMEF received a total of \$1.2 million in revenue from 1,673 corporate and individual donors and fundraising activities.”

In 2019 the SME Foundation continued to work to achieve its mission to be the source of funding for education and outreach to SME and the community it serves. It is important that we look back at the many successes and achievements of the SME Foundation programs and activities. The Board of Trustees is so grateful for the 2019 corporate and individual donors who have contributed to the SME Foundation (SMEF) throughout the year. This work would not be possible without the generous financial support and commitment of our many donors and volunteers. We are very appreciative of every contributor, both individual and corporate.

In FY2019, SMEF received a total of \$1.2 million in revenue from 1,673 corporate and individual donors and fundraising activities. Our Corporate Roundtable Partners (CRP), companies who contribute \$25,000 or more annually reflect nearly three-quarters of this funding.

Just as important to the financial well-being of the SME Foundation are our valued individual donors who we

recognize in various ways for their generous support. In 2019, there were 60 donors who qualified for this prestigious distinction, with a donation of \$1,000 or more, and earned VIP access to the 2020 MineXchange SME Annual Conference & Expo.

The SME Foundation programs and activities are critical to our industry as we work to support outreach, education and professional development for our members and community. There is much to celebrate from the 2019 SME Foundation achievements in all our areas of involvement: Ph.D. Fellowship and Career Development Grant Program, Minerals Education Coalition (MEC), Miners Give Back Program, Professional Engineer (PE) Exam Committee, Accreditation Board of Engineering and Technology (ABET) and College Scholarships.

With sincere thanks and gratitude,

Mary B. Korpi
SME Foundation President



Foundation Program Highlights

ABET

- Six program evaluators (PEVs) were assigned to four national and international university accreditation visits during the fall of 2019.
- Five new program evaluators (PEVs) received face-to-face ABET training in the spring of 2019.



PE Exam Committee

- Seventy-three people took the PE exam in October 2019.
- Approximately 40 questions were added to the question bank in August 2019.
- Converting chosen questions to forms other than multiple choice.
- Converting the bank of questions from paper to a dynamic computer-based exam format.
- Participating on several national committees for licensure advocacy.



Miners Give Back

- The Miners Give Back Committee proposed the Miners Give Back Award.
- This award is to recognize the outstanding efforts of an SME Section for their accomplishments in community service and humanitarian outreach.



College Scholarships

- Eleven college scholarships for a total of \$41,000 were awarded to qualified students pursuing degrees in mining and minerals.
- Ph.D. Fellowship and Career Development Grant Program.
- Two Freeport-McMoRan Career Development Grant applicants accepted.
- One Freeport-McMoRan Career Development Grant awardee achieved tenure.
- Currently five professors are in the Career Development Grant program seeking tenure.
- Three SME Ph.D. Fellowship applicants accepted.
- One SME Ph.D. Fellowship awardee received a Ph.D.



Mining Outreach & Education

2019 saw MEC capitalize on the unique opportunity to conduct outreach to BSA Scouts at the World Scout Jamboree in West Virginia, where 2,300 young men and women ages 14-18 from 145 countries and their leaders “journeyed to the middle of their mobiles” in the MEC Mining Exhibit.

Partnering with local SME members, sections and student chapters, MEC provided free rock and mineral sample kits and educational resources to more than 2,500 attendees at National Science Teaching Association (NSTA) Area Conferences on Science Education in Salt Lake City, UT; Cincinnati, OH and Seattle, WA.

In collaboration with the Ohio Aggregates and Industrial Minerals Association (OAIMA) and the Ohio Mining and Mineral Education Program (OMMEP), MEC produced new materials for the American Geosciences Institute’s (AGI) Earth Science Week, Oct. 13-19.

Team “Mine2Me” won the Season 3 Move Mining competition at the 2019 SME Annual Conference & Expo in Denver, CO, sponsored by Komatsu. Presenting before a live audience and broadcast to viewers through a Newmont-sponsored Facebook livestream, this team from Canada shared its idea on how to change the public’s perception of mining by developing video short infographics.



Move Mining Next Gen 2018-2019, sponsored by Komatsu, saw the Best Overall Prize go to the team “Let’s Learn about Coal with Maddox, Carson & Evan” as part of a total of \$2,250 in prizes awarded to K-12 student winning teams.

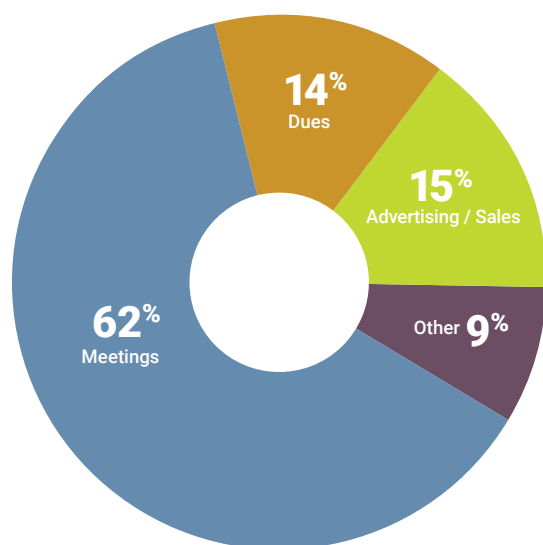
Highlights

- Distributed nearly 3,000 rock and mineral kits to teachers at regional NSTA conferences.
- Participated in AGI’s Earth Science Week, providing lessons and materials to 11,000 teachers.

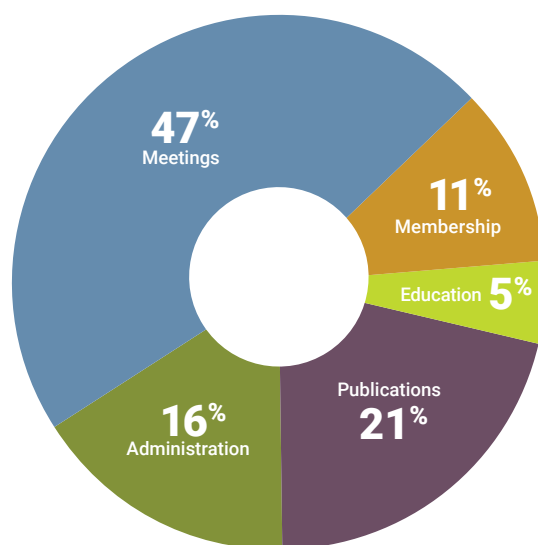
- Designed and produced Move Mining and Move Mining Next Gen programs engaging thousands of people internationally. In Move Mining, 15 teams from five countries received 6,000 votes. More than 2,000 people have viewed the Facebook Live video of the event.
- Planned and executed a successful educational experience for more than 2,300 Scouts at the BSA World Scout Jamboree, which saw 45,000 Scouts (boys and girls, ages 14-18) and their leaders from 145 countries.
- More than 4,650 BSA Scouts earned the Mining in Society merit badge.
- MineralsEducationCoalition.org saw more than 440,000 visitors in the past year.
- MEC social media channels have more than 4,200 followers/subscribers.



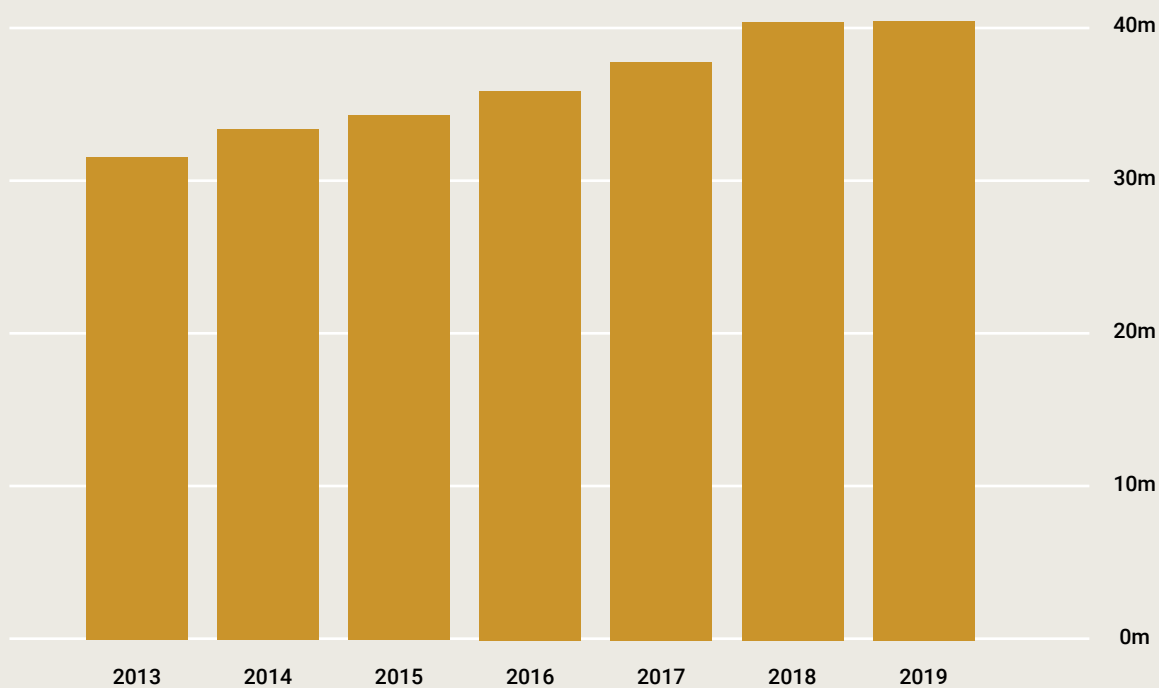
Operating Revenue (Sources)



Operating Expenses



Assets (in millions)





2019 ANNUAL REPORT

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