Creating Value in a Cyclical Environment

The 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference are dedicated to providing the knowledge, insights and information you’ll need to continue to survive and thrive in an era of rapid economic and market change.

This is the one event where successful leaders from around the world will share their vision, expertise and experience. You will learn from the mining professionals who have been able to quickly and efficiently deploy resources when and where they are needed, growing shareholder value and securing profits. These thought-leaders and innovators have been able to eliminate or avoid the complacency that creeps into an industry such as ours during a period of sustained growth. A combination of long-term vision and short-term flexibility is the key to success in today’s volatile commodities market.

The 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference provides a forum for more than 6,500 industry professionals, from across the world, to share innovative ideas, best practices and cutting-edge research in more than 100 sessions along with an expansive marketplace of more than 650 exhibiting companies in over 800 booths. This combination is a unique opportunity for you to hear from, and interact with, these leaders as you work to put the tools and initiatives in place that will enable you to adapt to this new reality.
# Schedule of Events

## Friday, February 17, 2017
- **8 am – 5 pm**
  - Registration
- **8 am – 6:30 pm**
  - Short Courses
  - Board and Committee Meetings

## Saturday, February 18, 2017
- **8 am – 5 pm**
  - Registration
- **8 am – 6:30 pm**
  - Board and Committee Meetings
- **9 am – 4 pm**
  - ESS: M&R3 Symposium
- **9 am – 5 pm**
  - Short Courses

## Sunday, February 19, 2017
- **8 am – 6 pm**
  - Registration
- **8 am – 6 pm**
  - SME Bookstore
- **8 am – 6:30 pm**
  - Board and Committee Meetings
- **9 am – 5 pm**
  - Short Courses

## Monday, February 20, 2017
- **6:30 am**
  - Health & Safety Division 5K Fun Run
- **7 am – 5:30 pm**
  - Registration
- **7 am – 5:30 pm**
  - SME Bookstore
- **7 am – 6 pm**
  - Board and Committee Meetings
- **7:30 am – 8:30 am**
  - Authors’ Coffee
- **7:30 am – 8:30 am**
  - MMSA 2017 Annual Meeting
- **7:30 am – 5 pm**
  - Speaker Ready Room
- **8:30 am – 11 am**
  - Conference Keynote Session
- **11 am – 5:30 pm**
  - Exhibit Hall Open
- **11:30 am – 1 pm**
  - Spouse/Guest Meet and Greet Brunch
- **11:30 am – 1 pm**
  - Conference Luncheon in Exhibit Hall
- **2 pm – 5 pm**
  - Technical Sessions
- **3 pm – 5 pm**
  - 2018 SME Annual Conference & Expo Exhibit Space Sales
- **4 pm – 5 pm**
  - CMA Annual Meeting of the Members and the Board of Directors
- **5 pm – 6:30 pm**
  - WAAIME Member and Scholarship Recipients Reception (Invitation Only)
- **5 pm – 6:30 pm**
  - IM&AD Luncheon and Silent Auction (Ticketed)
- **7 pm – 9 pm**
  - Rising Professionals Social (Ticketed)
- **7 pm – 10:30 pm**
  - MMSA 2017 Annual Banquet

## Tuesday, February 21, 2017
- **7 am – 5:30 pm**
  - Registration
- **7 am – 5:30 pm**
  - SME Bookstore
- **7 am – 6:30 pm**
  - Board and Committee Meetings
- **7:30 am – 8:30 am**
  - Health & Safety Division Breakfast
- **7:30 am – 8:30 am**
  - Women of SME and WAAIME Breakfast (Ticketed)
- **9 am – 11 am**
  - Technical Sessions
- **10 am – 5 pm**
  - SME 2018 Annual Conference & Expo Exhibit Space Sales
- **11 am – 4 pm**
  - Environmental Division Silent Auction in the Exhibit Hall
- **11 am – 5:30 pm**
  - Exhibit Hall Open
- **11:30 am – 1 pm**
  - Conference Luncheon in Exhibit Hall
- **2 pm – 5 pm**
  - Technical Sessions
- **3:30 pm – 5:30 pm**
  - Exhibit Hall Afternoon Social
- **5 pm – 7 pm**
  - International Visitors’ Reception (Invitation Only)
- **6 pm – 9:30 pm**
  - CMA Environmental Stewardship Awards Banquet
- **8 pm – 11 pm**
  - Scotch Nightcap Scholarship Fundraiser (Ticketed)

## Wednesday, February 22, 2017
- **7 am – 2 pm**
  - Registration
- **7 am – 2 pm**
  - SME Bookstore
- **7 am – 5 pm**
  - Board and Committee Meetings
- **8 am – Noon**
  - 2018 SME Annual Conference & Expo Exhibit Space Sales
- **8 am – Noon**
  - Exhibit Hall Open
- **9 am – 11 am**
  - Technical Sessions
- **9 am – 1:30 pm**
  - MPD Division Luncheon and Student Poster Session (Ticketed)
- **Noon – 1:30 pm**
  - CMA/Colorado Division of Reclamation Mining & Safety Closing Awards Luncheon (Ticketed)
- **Noon – 2 pm**
  - M&E Division Luncheon & Silent Auction (Ticketed)
- **2 pm – 5 pm**
  - Technical Sessions
- **5:30 pm – 7 pm**
  - SME/AIME Dinner VIP Reception
- **6 pm – 7 pm**
  - SME/AIME Awards Banquet (COD)
- **7 pm – 9:30 pm**
  - SME/AIME Awards Banquet (Ticketed)
- **9:30 pm – Midnight**
  - President’s Reception (Invitation Only)

## Thursday, February 23, 2017
- **Field Trip (TBD)**
- **8 am – 11:30 am**
  - Board of Directors Meeting
Minefill Symposium

February 19-22, 2017

Minefill Symposium is being held in conjunction with the 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference

Registration for this symposium can be added to your Annual Conference registration.

Registration fees for Minefill will include:
- MineFill Sessions
- Peer-reviewed Electronic Proceedings
- Sunday Reception
- Daily Coffee Breaks
- Daily Lunch
- Tuesday Banquet
- Symposium Gift

Minefill is recognized as an integral component of underground mining operations. The stability of and safety within underground mines are enhanced by the design, operation and control of mine fill systems. The 12th International Symposium on Mining with Backfill will focus on the application of mine backfill technologies as it relates to:

- Legal, safety, environmental and financial drivers
- Bulkhead capacity and fill strategies
- Binders, admixtures and other chemicals to improve fill performance
- Backfill reticulation: pumping, piping, hydraulic analyses
- Field fill mass blast and stress monitoring before and after exposure and data analysis
- Mine fill geomechanics, numerical modeling, interaction between backfill and rock mass
- Laboratory testing on static and dynamic behaviors of backfill
- Hazard and risk control practices in backfill application
- Application of new technology and new equipment in mining with backfill

Engineering Solutions for Sustainability: Materials and Resources Symposium

February 18-19, 2017

This symposium will focus on approaches for providing the resources and materials needed to meet basic societal needs in critical areas of minerals and metals, energy, water, transportation and housing through the circular economy.

An alternative to a traditional linear economy (make, use, dispose), circular economy resources are used for as long as possible with the goal of extracting maximum value from them while in use. And, at the end of service life, they are recovered, reused, recycled, or stockpiled until economically viable recycling technologies are available. The importance of recycling resource efficiency and intersecting life cycles will be examined for materials and manufacturing sustainability within areas of societal need.
2017 SME/CMA Keynote Session

“When are Commodity Prices Going to Rebound?”

Monday, February 20, 2017
8:30 am, Colorado Convention Center

Douglas B. Silver,
Portfolio Manager,
Orion Mine Finance

The Grand Recession resulted in a massive contraction of the global economy. Commodity prices suffered as manufacturing stalled and China’s economic growth slowed. Today, the minerals industry still suffers from poor prices, a lack of investor interest and a general economic malaise. There are many causes for this downturn, but our futures depend on understanding and predicting the catalysts of change that will improve commodity prices.

This presentation will discuss how the world has changed in the past ten years, its impact on commodity prices and the ramifications to the minerals industry. If ideas are food for thought, this presentation will be a smorgasbord.

Douglas B. Silver is a portfolio manager for Orion Mine Finance, a private-equity fund focused on providing funding to advanced-stage base and precious metal projects. Prior to joining Orion, Douglas served as CEO and Chairman of International Royalty Corporation, a global mineral royalty company which he founded in 2003 and sold in 2011. From 1987 to 2004, his private company, Balfour Holdings, Inc., was involved in an array of global assignments ranging from business development, behavioral profiling of competing bidders, capital raising, transaction negotiations, appraisals, investor relations and special board-level requests. In his spare time, Douglas chairs the Lowell Institute of Mineral Resources and sits on the College of Science Advisory Board at the University of Arizona.

Over the years, Douglas has been very active in SME. He wrote the Economic and Finance column for Mining Engineering from 1996 to 2011, has presented 17 times at SME conferences, and chaired eight sessions (including two keynote sessions). In his 2008 SME Keynote address, he predicted the Grand Recession. He is a recipient of the Distinguished Service Award, SME President’s Citation Award, the Henry Krumb Lecturer Award and William Lawrence Saunders Gold Medal.

Short Courses

February 18-19, 2017

- Copper Heap Leach
- Gold Processing Practices: Fundamentals, Plant Operations and Optimization
- Mine to Mill Process Optimization
- Mine Backfill Technology
- Mine Waste Management, Tailings and Waste Rock: Technologies and Techniques
- Operational Risk Management in Mining
- Optimization with Risk Management in Strategic Mining Planning: from Single Mines to Mining Complexes and Mineral Value Chains under Uncertain Metal Supply
SME Division-Hosted Events

SME is organized into eight distinct divisions to better serve the diverse needs of its members. When joining SME, members select the division(s) that most closely matches their career objectives. Throughout the conference each division hosts events that allow you to learn more about them.

**Coal & Energy Division**
Annual Awards Luncheon and Silent Auction  
Tuesday, February 21, 2017  
Noon Colorado Convention Center  
Tickets: $55  
Table Sponsorship: $1,000

**Environmental Division**
Silent Auction  
Tuesday, February 21, 2017  
11 am – 4 pm Colorado Convention Center Exhibit Hall

Annual Luncheon and Student Poster Session  
Tuesday, February 21, 2017  
Noon Colorado Convention Center  
Tickets: $55

**Health & Safety Division**
5k Fun Run  
Monday, February 20, 2017  
6:30 am  
Tickets: $35  
Annual Division Breakfast  
Tuesday, February 21, 2017  
7:30 am – 8:30 am Colorado Convention Center  
Tickets: $45

**Industrial Minerals & Aggregates Division**
Annual Luncheon and Silent Auction  
Tuesday, February 21, 2017  
Noon Colorado Convention Center  
Tickets: $55

**Mineral & Metallurgical Processing Division**
Annual Awards Plenary Session  
Monday, February 20, 2017  
2 pm Colorado Convention Center  
The Mineral & Metallurgical Processing Division Annual Awards Plenary Session features lectures from the recipients of the Gaudin, Richards and Wadsworth awards.

**Scotch Nightcap-Social Function & Fundraiser**  
Tuesday, February 21, 2017  
8 pm – 11 pm Hyatt Regency Denver  
at Colorado Convention Center  
Tickets: $50  
Proceeds from this event support MPD’s scholarship and award funds, helping those who want to make a career in the industry and recognizing those who have made extraordinary contributions to the industry.

Annual Luncheon and Student Poster Session  
Wednesday, February 22, 2017  
Noon Colorado Convention Center  
Tickets: $55

**Mining & Exploration Division**
Annual Luncheon and Silent Auction  
Wednesday, February 22, 2017  
Noon Colorado Convention Center  
Tickets: $55  
Table Sponsorship: $1,000

**WAAIME Division**
Women of SME and WAAIME Breakfast  
Tuesday, February 21, 2017  
7:30 am – 9 am Hyatt Regency Denver  
at Colorado Convention Center  
Tickets: $40  
WAAIME 100th Anniversary Celebration  
Tuesday, February 21, 2017  
5 pm – 9 pm Hyatt Regency Denver  
at Colorado Convention Center

To learn more about all of SME’s divisions and how you can get involved, please visit:

http://www.smenet.org/membership/groups/divisions.
SME Young Leaders Committee

The SME Young Leaders develops and strengthens young professionals in the mining industry through personal and professional development and seeks to share their knowledge via mentoring opportunities to others.

YL’s five areas of influence:

- SME Student Chapters
- General Public
- SME Annual Conference & Expo
- SME Organization
- Internal

Young Leaders Committee Meeting
Sunday, February 19, 2017
3 pm – 5 pm  Hyatt Regency Denver at Colorado Convention Center

Are you a leader in both your career and your community? If so, then you might be SME Young Leader material! As a Young Leader, you will be able to plan and create programs and events to help further develop your career and leadership skills with other young professionals.

Young Leaders Mentoring Luncheon
Monday, February 20, 2017
11 am – 1 pm  Colorado Convention Center

Receive guidance and feedback from an industry peer expert. Share career experiences and impressions of the current state of the industry with other young professionals.

Student Mentor Session
Wednesday, February 22, 2017
3 pm – 5 pm  Colorado Convention Center

Not sure what SME has to offer after graduation? The Young Leaders will lead a mentoring session for students on the “value of continuing their SME membership” after graduation and on the pathway to becoming involved in SME committees.

Move Mining Competition
Tuesday, February 21, 2017
2 pm – 4 pm  Colorado Convention Center

Think “Shark Tank” … The five finalist will pitch their ideas for changing the world’s perception of an industry that already changes the world. Let’s Move Mining! www.MoveMining.org

SME/AIME Awards Banquet

Join 2016 SME President Timothy D. Arnold for an evening of celebration as the leaders of the mining, metallurgical and exploration fields are honored. As the closing event of the conference, this banquet recognizes the accomplishments of the past year and welcomes in 2017.

Wednesday, February 22, 2017
Hyatt Regency Denver at Colorado Convention Center
Tickets:  $95 per person, $950 table of 10
Cash Bar Reception:  6 pm
Banquet:  7 pm

Program Committee

Establishes the technical program within the guidelines of the conference theme. Members consist of chair, division chairs and symposium chairs.

Mick Garvilovic, GR Engineering Services
Program Chair
Manoj Mohanty, University of Southern Illinois
Coal & Energy
William Lipps, Shimadzu Scientific Instrument
Environmental
Susan Moore, NIOSH
Health & Safety
Kenneth Joe Garska, Imerys Deepstep L&M
Industrial Minerals & Aggregates
Jamie Dwyer, Barrick Goldstrike Mines Inc
Mining & Exploration
Michael Moats, Missouri University of Science & Technology
Mineral & Metallurgical Processing
David Stone, Minefill Services Inc.
Program Chair – Minefill Symposium
Jamal Rostami, Colorado School of Mines
Underground Construction Association of SME
Technical Sessions

The 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference will feature more than 130 sessions for every professional in the industry. Especially noteworthy in 2017 will be the additions of the International Symposium on Mining with Backfill, and Engineering Solutions for Sustainability: Materials and Resources Symposium. Below is a list of what you can expect – make your plans now to attend and take advantage of this rare opportunity to experience the best in technical knowledge and professional development.

**Bulk Material Handling**
Advances in Conveyor System Component Design
Conveyor Maintenance and Safety Improvements in Conveyor Reliability and Availability
New Technology in BMH

**Coal & Energy**
Carbon Regulations & Management
Mine Fire Prevention
Surface Processes and Practices
Best of Ground Control
Profiling with Technology in a Cyclical Economy
Dust Control
Refuge Alternatives for Underground Coal Mines I
Mine Automation
Best of Mine Health & Safety
Unconventional Energy I:
Coal Mine Methane
Impact of MSHA’s Dust Control Regulation
Refuge Alternatives for Underground Coal Mines II
Blasting and Explosive Technologies for Surface Coal Mines
Rare Earth Mineral Extraction from Coal Tailings & Byproducts
Unconventional Energy II: Coal Mine Methane
Coal Preparation
Coal Characterization to End Use
CFD Modelling for Mine Ventilation
Impacts of Climate Change Policies on Coal & Energy
Surface Mining: Advancement Through Innovation
Ventilation Innovations
Research and Development
Geologic Challenges in Underground and Surface Mining – Case Studies
Collegiate Mine Rescue
Breathing Air Supplies

**Environmental**
Aspects of Tailings Management
Mine Waste Cover Design Technical Guidance – A New Guidance
Document from the International Network for Acid Prevention
Water Treatment
Water Treatment and Water Management at Closed Mines
Gold King – Animas River Spill
Uranium Issues
Student Posters
Environmental Research
Sustainability and Remediation
Responsible Mining
Permitting and NEPA
Stormwater Management
Sustainable Development
Creative Closure – Surface Water Compliance and Permitting
Technologies for Management of Mining Influenced Water in Historic Mine Pools (ADTI-MMS)

**Health & Safety**
Technology Development, Adaptation, and Integration to Address H&S Challenges
Developing Mine Worker H&S Knowledge, Skills and Abilities
Innovative H&S Technology Applications
Metric-Driven Approaches to Implementing H&S Interventions: A Series of Case Studies
Collision Avoidance Technologies: Challenges and Applications for Surface and Underground Operations
Improving Your HSMS: Best Practices, Metrics, and Lessons Learned
Applying Big Data to H&S Monitoring, Interpreting, and Reacting to H&S Hazards
International Perspectives on Mine Safety and Health
Research Informing Regulations and Compliance
H&S in Industrial Minerals and Aggregates
Open Forum for the Future of the Nation’s Mining Safety and Health Research Agenda

**Mineral & Metallurgical Processing**
Comminution I
Comminution II
SX-IX-EW
Pyrometallurgy
Leaching
Alternative Gold Lixiviants
Plenary Session

**Industrial Minerals & Aggregates**
Innovations in Industrial Minerals
Innovations in Agriculture
Fundamentals & Best Practices in Industrial Minerals Processing
Nontraditional Aggregate Sources
Mine Planning (Aggregates)
Mine Plan Optimization
Fracing Sands and Proppants
Critical Minerals
Miscellaneous Industrial Minerals
Health and Safety

**International I**

**International II**

**Mining & Exploration:**
Management: The Truth from Ground – Corporate Social Responsibility
Management: The Ancient Art of Sandbagging: Ensuring Your Optimal Plan is Achievable
Management: Mine Cost Estimation and Economic Analysis
Management: Mine Management & Development for Operational Excellence
Operations: New and Expansion
Surface Operations Overiew
Operations: Continuous Improvement in Surface Operations
Operations: Mine Planning and Development for Operational Excellence
Operations: Continuous Improvement in Underground Operations
Operations: New and Expansion
Underground Operations Overview
Operations: Innovative Information
Mining & Big Data
Geology: Mining Evaluation
Geology: Mining Geotechnical
Geology: Resource Modeling
Geology: Midwest Exploration
Technology: Highwall Laser Scanning & Photogrammetry
Technology: Case Studies & Application of Robotics and Automation at Operating Mines
Technology: Leveraging New Technology in Spatial Data and Geostats Modeling from Exploration to Mine Closure
Technology: Technology Innovations in Surface Mining
Technology: Generating Value through Technology – Justifying Technology Investments in a Cyclical Industry
Technology: Technology Innovations in Underground Mining
Technology: Generating Business Value through Technology – Justifying Technology Investments in a Cyclical Industry
Technology: Technology Innovations in Surface Mining

**Ad Hoc**
A Survival Guide for Promotion & Tenure
Career Development Right from the Start – Defining Your Professional Path

**Underground Construction**
Association of SME
Shafts
Tunnels

**Mineral Valuation I**
Case Studies and Methodologies

**Mineral Valuation II**
Lessons Learned and Fundamental Issues

**Society of Mining Professors**
Session
Distance Education – Pitfalls and Opportunities

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**Earn Professional Development Hours**

For each technical session and short course you attend, you can earn Professional Development Hours. Short Course recipients receive this automatically with their registration. Others can take advantage of this; simply select PDH Tracking during registration. Each contact hour of professional development equals one PDH. The system is self-reporting and kiosks will be available onsite for printing documentation. Please check with your state board(s) for their criteria to be certain this meets the required needs. PDH tracking fee: $25.
SME Foundation Annual Gala Dinner

Kick off your SME Annual Conference week with this fun event and help support the essential programs of the SME Foundation.

Sunday, February 19, 2017
Centennial Ballroom
Hyatt Regency Denver at Colorado Convention Center

Cocktail Reception & Silent Auction 6 pm – 7 pm
Dinner, Entertainment & Casino Games 7 pm – 11 pm

Tickets (includes entry into door prize drawings):
Sponsor a table of eight $3,000
Individual tickets $105
Door prizes: During the recognition program, five $500 gift cards will be given out!

Programs Supported by Contributions to the SME Foundation and Benefit SME Members:
- ABET
- Professional Engineers Exam
- Minerals Education Coalition
- Miners Give Back
- Ph.D. Fellowship & Career Development Grants
- Scholarships

Benefits of Sponsoring a Table
- Company logo on table tents recognizing you as a sponsor
- Special thank you in Mining Engineering magazine April issue
- Company logo scrolling on the overhead screen throughout the dinner
- Listing in the dinner program as a sponsor
- Listing in the SME pocket program as a sponsor (deadlines apply)
- Tickets to the dinner for eight people
- Twitter and Facebook posts recognizing you as a sponsor

Contact Megan Wayne to sponsor a table.
wayne@smenet.org
303-948-4224

2017 Marks the 100th Anniversary of WAAIME

Over the past 100 years, WAAIME has worked closely with colleges and universities from around the world to provide scholarships to undergraduate and graduate students pursuing earth science degrees.

Originally the Women’s Auxiliary to the American Institute of Mining Engineers, WAAIME was established in 1917 and in 2008 became a Division of SME. The mission of WAAIME is to:
- Render service to the country and to the community through all that pertains to the interest of the profession of Mining, Metallurgical, and Petroleum Engineering.
- Promote interchange of ideas and work amongst members.
- Secure and maintain a fund for the purposes of voluntarily assisting promising young men and women to obtain a technical education in Mining, Metallurgical and Petroleum Engineering, or allied subjects.

The WAAIME 100th Anniversary Celebration will be held:
Tuesday, February 21, 2017
5 pm – 7 pm  Hyatt Regency Denver at Colorado Convention Center

Corporate sponsorships are still available.

Share Your Story!
Are you a WAAIME Scholarship recipient? If so, help celebrate by sharing your story as part of the WAAIME 100th Year Anniversary Celebration. Your story will be shared with WAAIME celebration attendees and used to promote the WAAIME scholarship fund.
Please help tell the WAAIME story by sharing your story or making a donation!

Contact Genny Homyack at homyack@smenet.org.
Exhibitor Facts

Space Cost
Standard 10’x10’ booth $2,450
Corner 10’x10’ booth $2,650
Note: See interactive floorplan for educational, non-profit and government rates at www.smeannualconference.com.

Booth Rental Includes
- Two (2) complimentary, full conference registrations for each 10’x10’ booth valid for registration bag/materials, technical sessions, exhibit hall entrance and functions.
- Two (2) complimentary exhibits booth staff registrations for each 10’x10’ booth for exhibit personnel.
- A 7” x 44” company ID sign with company name and booth number.
- An 8’ black drape with 3’ side rails.
- General security.

Additional Benefits You Will Receive
- OVER 260,000 sq. ft. of exhibit space with over 800 booths to choose from.
- ACCESS to over 6,500 qualified attendees.
- FREE 100-word product/services description in the 2017 ShowGuide and SME website. Company and booth number listing in the Preliminary Program mailed to over 16,000 members and subscribers, and in the onsite program and/or mobile app.
- DISCOUNTED advertising in the January and February issues of Mining Engineering magazine.
- DISCOUNTED ShowGuide advertising.
- DISCOUNTED Pocket Program advertising on cover positions.
- FREE Exhibitor Customer One-Day exhibit hall passes for your customers.
- FREE electronic final attendee list after the conference.

How to Reserve Space

Click Exhibitors & Sponsors in the top toolbar, then click the interactive floorplan button for the Map Your Show (MYS) floorplan. Blue spaces are available; gray are sold. Hover your mouse on sold booths around your choice to see who occupies them. Click on your desired booth, then click the space application contract link on the right side of the floorplan. Make sure the contact name and email is the “official contact” for all correspondence with SME show management. After completion, the official contact will receive an email from MYS with your Exhibitor ID and password for the Exhibitor Dashboard.

For more information on booth availability, please call SME Exhibits at 303-948-4200 or email exhibits@smenet.org.

Sponsorship Opportunities

SME offers a wide variety of sponsorship opportunities for the 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference. These sponsorships offer your company a unique opportunity to interact with key individuals and companies, not only at the conference, but throughout the year.

Gold Level Sponsorships: $20,000 or more
At the Gold Level, you will be able to customize opportunities to enhance specialized areas of the exhibit hall and other networking opportunities onsite to help create an interactive experience between your company and attendees. Your company will also receive special recognition throughout the mobile app for the conference. Your company logo will appear on all printed and promotional material for the 2017 SME Annual Conference & Expo, online and onsite in the onsite program, ShowGuide and on signage.

Silver Level Sponsorships: $6,000 – $20,000
The Silver Level sponsorship will allow your company to take advantage of key opportunities while still being recognized as a sponsor throughout the promotion of the 2017 conference. We will include your company logo in all printed promotions of the conference, online and onsite in the onsite program, ShowGuide and on signage.

Bronze Level Sponsorships: $2,500 – $5,000
Make sure that your company is seen at the conference. Your company logo will be included on signage and information onsite, and we will include your company description and contact information in the ShowGuide and onsite program. We will also include your company name in any printed promotional material for the 2017 conference and your company logo will appear on the website.

For more information on sponsorship opportunities, please contact SME Sponsorships at 303-948-4200 or sponsorships@smenet.org.
Denver Hotels

For all hotels check-in time is 3 pm and check-out time is Noon.

Airport shuttles are not available.

All hotels have handicap facilities. Request special needs when making reservations.

Registration and housing information can be found at [www.smeannualconference.com](http://www.smeannualconference.com).

<table>
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<th>DENVER HOTELS</th>
<th>ROOM RATES – add 14.85% tax</th>
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<th>FITNESS / POOL FACILITY</th>
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<td>$190 Single</td>
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<td>6 am - Midnight</td>
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<tr>
<td>1750 Welton Street, Denver, CO 80202</td>
<td>$175 Double</td>
<td>$200 Triple</td>
<td></td>
</tr>
<tr>
<td>Phone: 303-295-1234</td>
<td>$225 Quad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Marriott City Center</td>
<td>$169 Single</td>
<td>6 am - 1 am</td>
<td>Indoor Pool</td>
</tr>
<tr>
<td>1701 California Street, Denver, CO 80202</td>
<td>$169 Double</td>
<td>$189 Triple</td>
<td></td>
</tr>
<tr>
<td>Phone: 303-297-1300</td>
<td>$209 Quad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Westin Denver Downtown</td>
<td>$189 Single</td>
<td>24 Hour Service</td>
<td>Outdoor Pool</td>
</tr>
<tr>
<td>1672 Lawrence Street, Denver, CO 80202</td>
<td>$189 Double</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone: 303-572-9100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Homewood Suites</td>
<td>$185 Single</td>
<td>Includes Complimentary Breakfast Buffet and Nightly Happy Hour</td>
<td>Indoor Pool</td>
</tr>
<tr>
<td>550 15th Street, Denver, CO 80202</td>
<td>$185 Double</td>
<td>$195 Triple</td>
<td>Indoor Pool</td>
</tr>
<tr>
<td>Phone: 303-534-7800</td>
<td>$195 Quad</td>
<td>$205 Quad</td>
<td></td>
</tr>
<tr>
<td>10 Hyatt House/Hyatt Place Downtown</td>
<td>$184 Single</td>
<td>Complimentary Breakfast</td>
<td>Indoor Pool</td>
</tr>
<tr>
<td>440 14th Street, Denver, CO 80202</td>
<td>$184 Double</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone: 303-893-3100</td>
<td>$194 Triple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Crowne Plaza</td>
<td>$149 Single</td>
<td>24 Hour Service</td>
<td>Outdoor Pool</td>
</tr>
<tr>
<td>1450 Glenarm Place, Denver, CO 80202</td>
<td>$149 Double</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone: 303-573-1450</td>
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</tbody>
</table>
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Colorado Mining Association’s 119th National Western Mining Conference & Exhibition

Monday, February 20, 2017

Mining in Colorado – Creating Value in Coal: A Colorado Perspective
1:30 pm – 4:00 pm  Room 710/712
Chairman: James Mattern, President, Trapper Mining Inc., Craig, Colorado

- The Outlook for Coal: A Colorado Perspective, James Mattern, President & General Manager, Trapper Mining Inc., Craig, Colorado
- The Outlook for Coal in International Markets, Robert Burnham, President, Burnham Coal, LLC, Arvada, Colorado
- The Role of Privately Held Companies in Colorado Coal: A Status Report, Gene DiClaudio, President, Bowie Resources Partners, LLC, Grand Junction, Colorado
- Overcoming Obstacles, the Collom Mine Expansion, Chris McCourt, Manager of Operations, Elk Ridge Mining & Reclamation, LLC, Colowyo Coal Company L.P., Meeker, Colorado
- Federal Coal Royalties, the Lease Moratorium and Its Impact on Colorado, Trent Peterson, President & General Manager, GCC Energy, LLC, Hesperus, Colorado

CMA Annual Meeting of the Members and the Board of Directors
4:00 pm  Room 710/712
- The Chairman’s Report
  James Mattern, CMA Chairman
- President’s Annual Report
  Stan Dempsey, Jr., CMA President
- Election of Officers and Directors

Tuesday, February 21, 2017

Minining in Colorado: Creating Sustainable Value in Hardrock and Metals
9:00 am  Room 710/712
Chairman: Charles Rech, C. W. Rech & Company, Littleton, Colorado

- Colorado Gold Mining: After the Newmont Acquisition, Jack Henris, General Manager, Cripple Creek & Victor Gold Mining Company, Victor, Colorado (invited)
- Continual Improvements in Mining at the Climax Mine, Chris Allen, Mine Manager, Colorado Administration, Climax Molybdenum Company (a Freeport-McMoRan Company), Empire, Colorado
- Gypsum and the Housing Market, Jared Rhea, Mine Superintendent, American Gypsum Company, LLC, Eagle Gypsum Mine, Gypsum, Colorado
- Natural Soda’s Expansion Project – An Update, Bob Warneke, Vice President of Operations, Natural Soda, Inc., Rifle, Colorado (invited)
- The Nuclear Option, Unlocking Value in Uranium Mining, Curtis Moore, Vice President, Marketing & Corporate Development, Energy Fuels Inc., Lakewood, Colorado

Regulation, Legislation and Policy Challenges: State and National
2:00 pm  Room 710/712
Chairman: Bernard “Barney” Guarnera, President, Broadlands Mineral Advisory Services, Las Vegas, Nevada

- Finally, A Modern Industry Guide 7: The SEC Proposes New Property Disclosure Requirements for Mining Registrants
  Jason Brenkert, Partner, Dorsey & Whitney, Denver, Colorado
  Bernard Guarnera, President, Broadlands Mineral Advisory Services
  Kenneth Sam, Co-Chair, Mining Industry Group, Dorsey & Whitney, Denver, Colorado
- SME’s Role to Successfully Engage the SEC to Modernize Industry Guide 7
  Ian Douglas, Group Executive Value Assurance, Newmont Mining Corporation, Greenwood Village, Colorado
Colorado Mining Association’s 119th National Western Mining Conference & Exhibition, continued

Tuesday, February 21, 2017

CMA Environmental Stewardship Awards Banquet
6:00 pm – 7:00 pm  Reception
7:00 pm – 9:30 pm  Dinner, Program and Awards

Banquet Presentation:
The 2016 Elections and Beyond,
What a Long Strange Trip It’s Been

Richard Wadhams, Political Consultant,
Littleton, Colorado

Presentation of Awards

Wednesday, February 22, 2017

Challenges and Solutions in Mining
9:00 am  Room 710/712
Chairman: Stuart A. Sanderson, Past President,
Colorado Mining Association, Stuart A. Sanderson,
LLC, Lone Tree, Colorado

- Legislative Update – Mining Law, Good Samaritan
and Related Actions, Laura Skaer, Executive Director,
American Exploration & Mining Association, Spokane,
Washington
- Seeking Solutions in Addressing Legacy Sites,
Patricia Limerick, Faculty Director & Chair, Center of the
American West, University of Colorado, Boulder, Colorado
- Collaborative Solutions in Mine Cleanup,
Elizabeth Russell, Mine Restoration Program Manager,
Trout Unlimited, Denver, Colorado and
Jeff Campbell, Senior Environmental Coordinator,
Newmont Mining Corporation’s Cripple Creek & Victor
Gold Mining Company, Victor, Colorado

CMA/Colorado Division of
Reclamation, Mining & Safety
Closing Awards Luncheon
11:45 am  Room 710/712
Speaker: Robert Randall, Executive Director,
Colorado Department of Natural Resources,
Denver, Colorado

11:45 am  Doors Open
Noon  Lunch
Presentation of Awards

Mine Emergency Risk/Readiness
Self-Assessments – a Proactive Approach
2:00 pm  Room 710/712
William C. York-Feirn, Mine Safety Program Manager,
Colorado Division of Reclamation, Mining & Safety, Denver,
Colorado and David Stalfort, Senior Director, ABS Group, Inc.,
Newport News, Virginia

Please contact
Jody Gibbs at jgibbs@coloradomining.org
Phone: (303) 575-9199
Fax: (303) 575-9194
www.coloradomining.org

Colorado Mining Association’s
119th National Western Mining Conference & Exhibition
2017 CMA Sponsorship Opportunities

119th National Western Mining Conference & Exhibition

We will support the 119th NWMC by sponsoring one or more of the events listed below:

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- **CMA Annual Membership Meeting Sponsor**: $2,500 each
- **Banquet Sponsor (Limit 4)**: $5,000 each
- **Banquet Cocktail Sponsor (Limit 4)**: $3,000 each
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- **Banquet Audio Visual Sponsor**: $1,500 each
- **Awards Luncheon (Wednesday)**: $3,500 each
- **Awards Luncheon Audio Visual Sponsor**: $1,500 each
- **Individual Session Sponsor**: $2,500 each
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If you have any questions please contact Jody Gibbs, CMA Marketing Director, at (303) 575-9199 or jgibbs@coloradomining.org

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119TH NATIONAL WESTERN MINING CONFERENCE & EXHIBITION

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  - CMA Chairman of the Board
  - James Mattern
  - President & General Manager
  - Trapper Mining Inc.
  - **CMA Chairman Elect & Conference Chair**
  - **Brad Cofield**
  - Vice President Sales/Rental
  - Wagner Equipment Company
  - **Program Chairman**
  - **Charles Rech**
  - President
  - C.W. Rech & Company, Inc.

CMA Environmental Stewardship Awards Banquet

**Tuesday, February 21, 2017**

6:00 pm – 9:30 pm

Reception, Dinner and Awards

Individual Tickets: $100

**CMA/Colorado Division of Reclamation, Mining & Safety Closing Awards Luncheon**

**Wednesday, February 22, 2017**

Noon – 2:00 pm

Individual Tickets: $50
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December 4 – 5, 2016
ARIZONA CONFERENCE 2016
Tucson, Arizona

February 18 – 19, 2017
ENGINEERING SOLUTIONS FOR SUSTAINABILITY:
MATERIALS AND RESOURCES SYMPOSIUM
Denver, Colorado

February 19 – 22, 2017
2017 SME ANNUAL CONFERENCE & EXPO
AND CMA’S 119TH NATIONAL
WESTERN MINING CONFERENCE
Denver, Colorado

February 19 – 22, 2017
INTERNATIONAL SYMPOSIUM ON MINING WITH BACKFILL
Denver, Colorado

April 17 – 19, 2017
SME MINNESOTA CONFERENCE: THINK GLOBAL, MINE LOCAL
Duluth, Minnesota