



American  
Exploration & Mining  
ASSOCIATION

# CHALLENGES PROBLEMS SOLUTIONS

American Exploration & Mining Association's  
124th Annual Meeting, Exposition  
Short Courses & Field Trip

December 2 - 7, 2018  
Spokane Convention Center  
Spokane, Washington, USA

Final Registration Brochure  
Updated 11/14/18

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# 2018 Annual Meeting Sponsors

## \$10,000 and Up

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	<b>TonaTec</b> Exploration, LLC www.tonatetc.com	TonaTec Exploration			<b>RockTech USA</b> EXPLORATION PRODUCTS

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# Annual Meeting Program Committee



## 2018 Program Co-Chairman

**Clark West**  
Global Mining Service/  
Marketing Manager  
Agru America, Inc.  
Reno, Nevada  
cwest@agruamerica.com

Clark started in the waterproofing industry in 1985 as a superintendent for a roofing company. He worked up to the position of Vice President before leaving to start in the flexible geomembrane industry in 1990 with National Seal Company as a field superintendent specializing in mine leach pads and ponds construction. In 1993, he was promoted to the Sales Division as the Sales Engineer for the Western Region moving to the position of Western Region Sales Manager in 1996. In 1999 through acquisitions, Clark became an employee of the Serrot International company and served as the Western Region Sales Manager until 2002. He then started the Sierra Geosynthetics Incorporated liner installation company with partners.

In 2008, he joined Agru America as the Western Region Manager with the major responsibility of developing the mining industry market for them to coincide with their new manufacturing facility in Fernley, Nevada. Currently, Clark holds the position of Mining Service and Marketing Manager working globally and has experience in all facets of the flexible membrane industry dealing with installation, sales and marketing.

## 2018 Annual Meeting Staff Contacts

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## 2018 Program Co-Chairman

**Tim Arnold**  
Vice President Operations  
Pershing Gold Corporation  
Lakewood, CO  
tarnold@pershinggold.com

Timothy D. Arnold is VP Operations for Pershing Gold Corporation. Previously, he was Vice President and/or General Manager for Nevada Copper, General Moly, Coeur d'Alene Mines and Hecla Mining Company, and COO for Geovic Mining Corp.

Tim graduated in 1982 from the University of Idaho with a degree in Mining Engineering, and completed an Executive MBA certificate program from Northwestern's Kellogg Graduate School of Management in 2000. He is a Professional Engineer in Nevada and Arizona. In 2016 he served the Society for Mining, Metallurgy and Exploration as its President.

Tim has over 35 years of experience in hard rock mining; open pit and underground, engineering and production, consulting and operations. He has held positions in mining companies ranging from laborer to contract miner, and from shift boss to COO. He has spent most his career either developing or operating mines.



## 2018 AEMA President

**Bob Comer**  
Partner  
Norton Rose Fulbright  
Denver, CO  
bob.comer@  
nortonrosefulbright.com

Bob currently serves as AEMA's President. He has a diverse legal and scientific background focused on achieving business, regulatory, compliance, permitting, operating and transactional solutions for mineral development. He provides strategic counsel to industry and government executives and has litigated leading cases in natural resource and public land law.

Bob previously served as Associate Solicitor (now Deputy Solicitor), Counselor to the Solicitor and Rocky Mountain Regional Solicitor in the Department of the Interior. Bob also has served as GC and CAO for a listed gold company and as Associate General Counsel for a Fortune 500 diverse mining company with legal responsibility for most company operating facilities and more than 30 superfund/NRD properties.

He serves on the Advisory Board of the Western Energy Alliance and on the Board of Directors for Manufacturer's Edge (formerly Colorado Association of Manufacturing and Technology). Bob also has served as the Distinguished Natural Resource Practitioner in Residence at the University of Denver School of Law, Chair of the Colorado Bar Association Natural Resources and Energy Law section and as an Officer of the Colorado Mining Association. He received his BA, cum laude, and Juris Doctor from the Univ. of Colorado, Boulder, and a Master of Forest Science from the Yale Univ. School of Forestry and Environmental Studies.

# Schedule of Events

## SUNDAY DECEMBER 2

- 7:00 - 8:00 Sunday Short Course Badge Pickup  
8:00 - 5:00 3-Day Short Courses Begin  
3:00 - 5:00 Registration & Packet Pick Up

## MONDAY DECEMBER 3

- 7:00 - 5:00 Registration & Packet Pick Up  
8:00 - 5:00 Short Courses  
7:00 pm - 8:00 Silver Valley Field Trip Presentation & Reception

## TUESDAY DECEMBER 4

- 7:00 - 5:00 Registration & Packet Pick Up  
8:00 Silver Valley Tour Bus Departs from The DoubleTree Hotel  
8:00 - 5:00 Short Courses  
Exhibit, Core Shack & Student Poster Set Up  
2:30 - 5:00 AEMA Board Meeting - The DoubleTree Hotel  
6:00 - 8:00 Hosted Awards & Recognition Reception

## WEDNESDAY DECEMBER 5

- 7:00 - 5:30 Registration & Packet Pick Up  
7:00 - 9:15 Burrito Breakfast - *hosted by Kappes Cassiday & Florin Analytical Services*  
8:00 - 11:30 Morning Technical Sessions  
9:00 - 6:30 Exhibit Hall & Student Posters  
9:35 - 10:20 Exhibit Hall Coffee Break (All sessions break)  
Noon - 1:30 Wednesday Keynote Speaker Luncheon  
Exhibit Hall Sandwich Lunch  
2:00 - 5:30 Afternoon Technical Sessions  
3:35 - 4:20 Exhibit Hall Coffee Break (All sessions break)  
5:30 - 6:30 Welcoming Reception

## THURSDAY DECEMBER 6

- 7:00 - 5:30 Registration & Packet Pick Up  
7:00 - 9:15 Burrito Breakfast - *hosted by Kappes Cassiday & Florin Analytical Services*  
8:00 - 11:30 Morning Technical Sessions  
9:00 - 6:30 Exhibit Hall & Student Posters  
9:35 - 10:20 Exhibit Hall Coffee Break (All sessions break)  
Noon - 1:30 Exhibit Hall Sandwich Lunch  
12:15 - 2:00 Thursday Keynote Speaker Luncheon  
2:15 - 5:45 Afternoon Technical Sessions  
3:50 - 4:35 Exhibit Hall Coffee Break (All sessions break)  
5:30 - 6:30 Happy Hour Reception  
6:30 - 9:00 Young Professionals Networking Reception

## FRIDAY DECEMBER 7

- 7:00 - 11:00 Registration & Packet Pick Up  
7:00 - 9:15 Burrito Breakfast - *hosted by Kappes Cassiday & Florin Analytical Services*  
8:00 - 11:30 Morning Technical Sessions  
9:00 - 11:00 Exhibit Hall & Student Posters  
9:35 - 10:20 Exhibit Hall Coffee Break (All sessions break)  
11:00 - 5:00 Exhibit Tear Down

## EXHIBIT HALL HOURS & ACTIVITIES

### TUESDAY DECEMBER 4

- Exhibitor Set up 8:00 am- 5:00 pm

### WEDNESDAY DECEMBER 5 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:35 - 4:20
- Welcoming Reception ~ 5:30 pm - 6:30 pm

### THURSDAY DECEMBER 6 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:50 - 4:35
- Happy Hour Reception ~ 5:30 pm - 6:30 pm

### FRIDAY DECEMBER 7 ~ 9:00 am - NOON

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- **TEAR DOWN - 11:00 AM ~ 5:00 PM**

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# Meet Our Annual Meeting Keynote Speakers

## Wednesday Keynote Speaker Luncheon -

Wednesday December 5, 2018 12:00 - 1:30  
Spokane Convention Center  
Room TBD



**Arshad Sayed**  
Chief Development  
Officer, Partnerships &  
Joint Ventures, Copper  
& Diamonds  
Rio Tinto  
Washington, DC

Arshad Sayed is the Chief Development Officer – overseeing Strategy, Partnerships, Acquisitions, Joint Ventures, and all non-managed operations, in Copper & Diamonds across Chile, US, Canada, Indonesia, and Mongolia.

Before joining Rio Tinto in June 2018, Arshad was Managing Partner of Global Connect, a corporate advisory firm supporting the scaling up of Asia based companies in the US.

Earlier, he led Peabody Energy's Asia business as President of India & Mongolia, successfully qualifying the company for one of the largest mining projects in Asia, forming a consortium with China's Shenhua Group, managing a mining exploration joint venture with a Chinese company, and developing new business in India, while living in Beijing.

Prior to this, At the World Bank, Arshad executed complex programs while working across 45+ countries: developing policy and strategy in the corporate strategy group, leading the Bank's strategy and operations in Europe and Central Asia, and serving as Country Head for Mongolia.



## Thursday Keynote Speaker Luncheon -

Thursday December 6, 2018 12:15 - 2:15  
Spokane Convention Center  
Room TBD



**Ryan Zinke**  
United States Secretary of the Interior

Ryan Zinke was sworn in as the 52nd Secretary of the Interior on March 1, 2017.

A fifth-generation Montanan and former U.S. Navy SEAL Commander, Ryan Zinke built one of the strongest track records in the 114th Congress on championing sportsmen's access, conservation, regulatory relief, forest management, responsible energy development, and smart management of federal lands.

"As a former Navy SEAL, Ryan has incredible leadership skills and an attitude of doing whatever it takes to win," President Donald Trump said in nominating the former congressman, who built an impressive portfolio on Interior issues ranging from federal mineral leases to tribal affairs to public lands conservation.

Zinke is widely praised for his voting record supporting the Teddy Roosevelt philosophy of managing public lands, which calls for multiple-use to include economic, recreation and conservation. He has pledged to explore every possibility for safely and responsibly repealing bad regulations and using public natural resources to create jobs and wealth for the American people.

As Secretary of the Interior, Zinke leads an agency with more than 70,000 employees who are stewards for 20 percent of the nation's lands, including national parks, monuments, wildlife refuges and other public lands. The department oversees the responsible development of conventional and renewable energy supplies on public lands and waters; is the largest supplier and manager of water in the 17 Western states; and upholds trust responsibilities to the 567 federally recognized American Indian tribes and Alaska Natives.

Zinke was commissioned as an officer in the Navy in 1985 and was soon selected to join the elite force where he would build an honorable career until his retirement in 2008. He retired with the rank of Commander after leading SEAL operations across the globe, including as the Deputy and Acting Commander of Joint Special Forces in Iraq and two tours at SEAL Team Six. Zinke was the first Navy SEAL elected to the U.S. House and is the first SEAL to serve as a cabinet secretary.

Zinke holds a Geology degree from the University of Oregon, where he was an All-PAC 10 football player; a Master's degree in Business Finance from National University; and a Master's degree in Global Leadership from the University of San Diego. He and his wife Lolita (Lola) have three children and two granddaughters. Zinke is proud to be an adopted member of the Assiniboine Sioux Tribe at the Fort Peck Reservation in Northeast Montana.

# 2018 SHORT COURSE PROGRAM

	Two & Three Day Short Courses			One Day Short Courses				Field Trip
SUNDAY DEC 2 8:00 - 5:00	Using SRCE Version 2.0 - New & Updated Training  Jeff Parshley <i>SRK (U.S.), Inc.</i>	Mining Geology and Grade Control Workshop  Andrew Weeks <i>Golder Associates</i>						
SUNDAY EVENING								
MONDAY DEC 3 8:00 - 5:00	Using SRCE Version 2.0 - New & Updated Training  Jeff Parshley <i>SRK (U.S.), Inc.</i>	Mining Geology and Grade Control Workshop  Andrew Weeks <i>Golder Associates</i>	Mission Critical Training for Mine Permitting on Federal Lands  Mike Doran <i>Mineral Property Evaluation, LLC</i>  Kevin Johnson <i>USFS</i> & Adam Merrill <i>BLM</i>	Understanding & Running Quality Assurance/Quality Control Program  Todd McCracken <i>WSP Canada, Inc.</i>				
Monday Evening								
TUESDAY DEC 4 8:00 - 5:00	Using SRCE Version 2.0 - New & Updated Training  Jeff Parshley <i>SRK (U.S.), Inc.</i>	Mining Geology and Grade Control Workshop  Andrew Weeks <i>Golder Associates</i>	Mission Critical Training for Mine Permitting on Federal Lands  Mike Doran <i>Mineral Property Evaluation, LLC</i>  Kevin Johnson <i>USFS</i> & Adam Merrill <i>BLM</i>	U.S. Mining Law  R. Craig Johnson <i>Parsons Behle &amp; Latimer</i>	Fundamentals of Mineral & Metallurgical Processing  Corby Anderson <i>Colorado School of Mines</i> & Courtney Young <i>Montana Tech</i>	Water Stewardship: A Holistic Approach  Jesse R. Toepfer <i>Arcadis</i>	Business Intelligence for Exploration & Mining Companies w/ Microsoft Office 365 & PowerB  Craig Hallworth <i>Hudbay Minerals, Inc.</i>	Tour of the World-Famous Silver Valley  Earl Bennett <i>Mining Historian</i> & Steve Petroni <i>Hecla Mining Co.</i>
Tuesday Evening	AEMA ANNUAL AWARDS & RECOGNITION RECEPTION 6:00 - 8:00 - This hosted reception is open to all attendees.							

# 2018 TECHNICAL SESSION PROGRAM

2018 TECHNICAL SESSION PROGRAM							Exhibit Hall
	Mineral Deposits, Geology & Exploration	Business & Finance	Operations	Environmental	Legislative & Public Affairs		
WED DEC 5 MORNING 8:00 - 11:30	State & Province Reports  Rich Perry <i>NV Div of Minerals</i>	Lithium at AEMA - Round 2  Ruth Carraher <i>C&amp;M Consultants</i>	Growth Companies- Has Growth Replaced Survival?  Bob Felder & Ron Parratt <i>Renaissance Gold</i>	Solving Metallurgical Challenges & Problems  Melanie Bond <i>Bond Mineral Svcs &amp; Courtney Young MTech</i>	Baseline Success- Successful Permitting in a Changing Environment  Benjamin Veach <i>Stantec Consulting Services Inc.</i>	Land & Legal Issues for Miners  Cathy Suda <i>Teck American &amp; Tracy Guinand Tracy Guinand Land, LLC</i>	Exhibits Open 9:00- 6:30  Coffee Break 9:35 - 10:20
Noon - 1:30	WEDNESDAY KEYNOTE SPEAKER LUNCHEON					Sandwich Lunch	
WED DEC 5 AFTERNOON 2:00 - 5:30	State & Province Reports  Rich Perry <i>NV Div of Minerals</i>	Critical Minerals 2018  Peter Vikre <i>USGS &amp; Chris Dail Midas Gold Idaho</i>	Royalties and Stream Financing Today  Jeff Jenkins <i>Franco Nevada</i>	New Mining in Old Districts - Is it as easy as it sounds?  Doug Stiles <i>Hecla Mining Co.</i>	National Historic Preservation Act; Update on Efforts to Clarify NHPA Implementation  Karen Bennett <i>Clark Hill PLC</i>	What's Your Engagement & Sustainability Story? Does it Add Value to your Company & Community?  Matt Johnson <i>Lundin Mining &amp; Zack Spencer Comstock Mining</i>	Exhibits Open 9:00- 6:30  Coffee Break 3:35 - 4:20
5:30 - 6:30	WELCOMING RECEPTION IN THE EXHIBIT HALL						
THUR DEC 6 MORNING 8:00 - 11:30	Mining Development in the Midwest: Great Lakes States  Frank Ongaro <i>Mining-Minnesota</i>	Alaska  Deantha Crockett <i>AK Miners Assoc &amp; Mike Satre Hecla Greens Creek Mining</i>		Digitizing Mining & Exploration: Technology Innovations from Geophysics to Operations  Trevor Hall <i>Clear Creek Digital</i>	Mine Closure & Reclamation  Nick Rauh <i>Agru America</i>	Public Lands Update  Debra Struhsacker <i>Corporate Consultant</i>	Exhibits Open 9:00- 6:30  Coffee Break 9:35 - 10:20
12:15- 2:00	THURSDAY KEYNOTE SPEAKER LUNCHEON <i>Ryan Zinke, United States Secretary of the Interior</i>					Sandwich Lunch	
THUR DEC 6 AFTERNOON 2:15 - 5:45	Large Left Lateral Leaps to Geologic  Buster Hunsaker & Molly Hunsaker <i>Hunsaker, Inc.</i>	Focus on Exploration in Mexico  Dean McDonald <i>Hecla Mining Co. &amp; Kurt Allen Hecla Limited</i>	Funding & Accessing Capital for Minng & Exploration: Key Trends - What is Outlook?  Tim Alch <i>TAA Advisory, LLC</i>	Mining Hydrology  Mike Hardy <i>Lumos &amp; Associates &amp; Ron Parratt, Jr. Newmont</i>	Large Left Lateral Leaps for Environmental Professionals  David Steed <i>SWCA &amp; Nick Enos BGC Engineering</i>		Exhibits Open 9:00- 6:30  Coffee Break 3:50 - 4:35
5:30 - 6:30	HAPPY HOUR RECEPTION IN THE EXHIBIT HALL						
FRI DEC 7 MORNING 8:00 - 11:30	The Curt Everson Great Basin Exploration Session  Greg Hill <i>Renaissance Gold</i>			Intelligence Amplification - Emerging Technologies for Smarter Mines & Workers  Mary Poulton <i>Lowell Institute for Mineral Resources</i>	Sustainability in Mining: Where Are We and Where Do We Want To Be?  Daniel Bonner & Patrick Keller <i>Arcadis US</i>	Legislative & Regulatory Affairs  Laura Skaer <i>AEMA</i>	Exhibits Open 9:00- 11:00  Coffee Break & Moose Milk 9:35 - 10:20
11:00 - 5:00	EXHIBIT HALL TEAR DOWN						



# Short Courses

**THREE DAY SHORT COURSES | SUNDAY DECEMBER 2,  
MONDAY DECEMBER 3 & TUESDAY DECEMBER 4**

## **USING SRCE VERSION 2.0 – NEW AND UPDATED TRAINING**

Cost: \$650

Instructor: **Jeff Parshley, P.G., C.P.G., C.E.M., Group Chairman,  
SRK Consulting (U.S.), Inc., Reno, NV**

The Standardized Reclamation Cost Estimator (SRCE) is a public domain Microsoft Excel-based tool that has been used in Nevada for more than 10 years to calculate mine closure costs for financial assurance. The SRCE uses straightforward user inputs to create a first-principles estimate of closure costs. In addition to the Nevada-specific version, another version of SRCE is available for use in other states and internationally.

Over the last two years the non-Nevada version has been significantly upgraded with numerous new features and improved performance to create SRCE 2.0. The new features greatly expand the capabilities and functionality of the model - so much that we have completely revamped our standard SRCE training short course.

Because so many of the new features focus on things like detailed cost scheduling, filtering, and tracking costs by category, we have completely updated our curriculum to focus on strategizing the model setup based on site or company specific needs, and the type and intent of the cost estimate.

There will still be a heavy emphasis on hands-on training, but after an initial few simple exercises, we will focus on closure cost types, how to set up a closure chart of accounts, developing useful filters, and effective scheduling for project-specific needs. Because the scope of the training has expanded beyond the introductory nature of previous short courses, this will be a **three-day** short course.

Attendees will need to bring a laptop computer and engineering scale ruler for the hands-on exercises. If users wish to bring an existing SRCE model from a previous version, we will show them the process of importing that model into SRCE Version 2.0.



*Interested in  
attending a  
short course?*

*Sign up early.*

*The decision to run a short  
course is made during the pre-  
registration period. If there is  
not sufficient interest in the  
course it will be pulled.*

## **MINING GEOLOGY AND GRADE CONTROL WORKSHOP**

Cost \$650

Instructor: **Andrew Weeks, Principal Mining Geologist, Golder  
Associates, Pty, West Perth, Australia**

This unique course pairs the latest grade control methods with hands-on demonstrations of essential concepts for mining geologists and industry professionals.

### **Who Should Attend?**

This workshop benefits mining engineers and geologists interested in learning more about ways to improve ore control and profitability in a broad range of mining operations and commodities. Attendees will also:

- Assess the effectiveness, strengths, and limitations of your systems
- Obtain leading technical knowledge
- Learn from practical examples
- Receive detailed course notes
- Advance your understanding of mining issues that may affect your organization

### **Topics**

A range of pertinent subjects will be discussed, including:

- An integrated geological framework for effective grade control and mining operations
- Grade control sampling theory
- Sampling methods and practice in open pit and underground mines
- Sample preparation, assaying, and geochemical analysis
- Delineation and mark-out of mineable ore blocks
- Statistical and geostatistical foundations of ore block estimation and design
- Management and control of dilution and ore loss during mining
- Stockpile management systems
- Reconciliation between ore reserves, grade control, and production

### **A Chance to Connect**

During the workshop, you will also have the opportunity to network with other industry professionals. Previous attendees included MDs, process plant and mining managers, exploration managers, superintendents, senior geologists and engineers, recent graduates, and senior field technicians.

Attendees will need to bring laptops.

# Short Courses

**TWO DAY SHORT COURSES | MONDAY DECEMBER 3 & TUESDAY DECEMBER 4**

**ONE DAY SHORT COURSES | TUESDAY DECEMBER 4**

## MISSION CRITICAL TRAINING FOR MINE PERMITTING ON FEDERAL LANDS

Cost: \$350

Instructors: **Mike Doran**, *Mining Geologist - Mineral Property Evaluation, LLC, Federal Certified Mineral Examiner, Boise, ID*

**Kevin L. Johnson**, *Geologist, Minerals and Geology Management (CNO) - Regions 5 and 6, Grants Pass, OR,*

**Adam Merrill**, *Geologist at Bureau of Land Management, Bureau of Land Management, Springfield, VA, and*

This two-day workshop will cover permitting requirements and Plans of Operations under the Forest Service's 36 CFR 228A regulations and the BLM's 43 CFR 3809 regulations. The first day will cover the basic regulatory requirements. Presenters will then cover specific aspects of the process, including suggestions for minimizing, if not avoiding, permitting pitfalls.

On the second day, presenters will discuss their experience with the permitting process, specifically focusing on what went wrong and what worked. The workshop will close with a joint industry/regulatory panel.

## 1-DAY SHORT COURSES | SHORT COURSE | MONDAY DECEMBER 3

### UNDERSTANDING AND RUNNING AN EFFECTIVE QA/QC PROGRAM

Cost: \$300

Instructor: **Todd McCracken**, *Manager – Mining, WSP Canada, Inc. Sudbury, ON CANADA*

Your project has a QA/QC program, but is it effective and does it meet the standards of best industry practice? This full day course examines various components of an effective QA/QC program, and will concentrate on how to setup and run a program in the real world.

Topics will include an in-depth look at data management, drilling, sampling, specific gravity and analytical QA/QC, including how to select a laboratory and the use of Blanks, Duplicates and Standards in the program.

Real examples of effective programs will be presented to the group with an active discussion on what should be considered minimum requirements. Tricks of the trade and cost effective solutions will be presented throughout the course. Participants will be encouraged to engage in discussions throughout the course.



## U.S. MINING LAW ONE DAY SHORT COURSE

Cost \$300

Instructor: **R. Craig Johnson**, *Parsons Behle & Latimer, Salt Lake City, UT*

This full-day course contains a comprehensive overview of the mining law in the United States relating to the acquisition, exploration, development, operation and closure of hard rock mining projects. The course provides in-depth coverage of types of land and mineral ownership in the U.S., types of mineral claims, historical and current issues under the General Mining Law of 1872, the process and issues involved in obtaining, holding and financing mineral tenures, an overview of environmental permitting, acquiring power, and an overview of water law in the western U.S. The course includes an overview of the typical methods for entering into exploration and development joint venture arrangements, including the revised Rocky Mountain Mineral Law Foundation "Form 5" limited liability company agreement, lease, purchase and sale of exploration and mining project issues, and a discussion of the standard royalty mechanisms including net smelter return and net profits interest royalties. The course also covers current significant environmental issues in the exploration and development of operations, including key air and water discharge issues, environmental impact statements, permitting of tailings facilities, bonding, and mine closure and reclamation issues. The course is ideal for persons who are interested in acquiring mining projects in the U.S., or simply wish to have a refresher on key concepts.

## FUNDAMENTALS OF MINERAL & METALLURGICAL PROCESSING

Cost: \$300

Instructors: **Eur-Ing Dr. Corby G. Anderson** *QP CENG FIMMM FICHEME, Harrison Western Professor, Kroll Institute for Extractive Metallurgy, George S. Ansell Department of Metallurgical and Materials Engineering, Colorado School of Mines, Golden, CO and*

**Dr. Courtney Young**, *QP, Department Head and Lewis S. Prater Distinguished Professor, Metallurgical & Materials Engineering, Montana Tech, Butte, MT*

This short course is open to anyone wanting to learn about mineral processing and extractive metallurgy operations. It is particularly good as a refresher or introductory course. In this regard, the course begins with simple concepts such as sampling, analysis (mineralogical, chemical and size), material balances and smelter schedules. It then introduces attendees to processing methods and equipment, particularly those utilized in the mining industry (but also the recycling industry as well). Various unit operations are reviewed including comminution (crushing, grinding, screening and classification), mineral separations (flotation, magnetic, gravity and electrostatic), and metal production and purification (hydrometallurgy, pyrometallurgy and electrometallurgy) as well as environmental management (dewatering, tailings disposal, and waste treatment for water, dust and air). Flowsheets of typical operations are reviewed throughout with implications on flowsheet development.

Attendees will need to bring a laptop computer.

# Short Courses & Field Trip

## ONE DAY SHORT COURSES | TUESDAY DECEMBER 4... (Cont'd)

### WATER STEWARDSHIP: A HOLISTIC APPROACH

Cost: \$300

Instructor: **Jesse R. Toepfer, PE, PMP, RSP Client Services Manager, Arcadis U.S., Inc., Littleton, CO**

This course is designed to highlight the benefits that can be realized in implementing safe, responsible, and cost-effective water treatment technologies by first addressing the bigger picture water management practices associated with mining activities. This course will cover the major factors that should be considered when making water treatment decisions, including: the importance of developing conceptual site models, performing hydrogeological and geochemical investigations, communicating with regulatory agencies, engaging with community members, and understanding the applicable regulatory requirements. This course will also discuss the roles and responsibilities that key stakeholders typically play during water stewardship strategy development and implementation.

The material content of this course is meant to target a wide audience. There are no prerequisites for this course; anyone and everyone is welcome to attend. The individuals who will benefit the most from this course are those who are interested in pursuing management and executive careers in mining and engineering where water treatment and industrial water practices represent core areas of attention to business operations and profitability. Course attendees with a background in law, finance, environmental regulation, resource conservation, regulatory compliance, political science, and mine management will likely be more familiar with the course material, but may gain a new understanding about the appropriateness of various water treatment technologies for various common situations. Course attendees with a technical, scientific, and/or engineering background will likely gain a new appreciation for the non-technical aspects of water stewardship.

Laptops are permitted, but not required for the course. Jump drives containing selected course materials will be provided to all participants.

### BUSINESS INTELLIGENCE FOR EXPLORATION & MINING COMPANIES WITH MICROSOFT OFFICE 365 & POWERBI

Cost: \$300

Instructor: **Craig Hallworth, CPA, CFA, Director Financial Planning & Analysis, Hudbay Minerals Inc., Toronto, Canada**

The purpose of this course is to demonstrate the POWER that is may already be at your fingertips to:

1. Automate your financial statement consolidation
2. Create dynamic, drillable, and customizable dashboards for your executives and board
3. Optimize your reporting for mobile devices and send recipients real time data updates

How is it possible to do all this without spending tens or hundreds of thousands of dollars? By learning how to use the latest advancements in database and business intelligence technologies that are ALREADY INCLUDED FOR FREE in the Microsoft Office 365 and PowerBI applications.

#### Who should attend?

The course is designed primarily for those who work in the finance department of an exploration or mining company (financial analysts, controllers, CFOs) but may also be of interest to anyone else who wants to significantly improve their ability to automate their data and deliver professional modern reports (e.g. drill results, health & safety trends, project spend, etc.) to important users.

#### Course format?

Learning will occur through a combination of lecture style segments, explaining key concepts, followed by live demonstration of concept application in the actual Microsoft Office 365 and PowerBI software. All content and demonstrations will be projected via video screen, but attendees are encouraged to bring their laptops and follow along live using sample files that will be provided in advance.

## FIELD TRIP | TUESDAY DECEMBER 4

### TOUR OF THE WORLD-FAMOUS SILVER VALLEY

Cost: \$250

Pre-field trip presentation & reception Monday evening 7:00 - 8:00 at the DoubleTree Hilton hotel

Bus will depart from DoubleTree by Hilton hotel lobby promptly at 8:00 am on Tuesday morning.

Presented by: **Earl H. Bennett, State Geologist, Idaho (retired), Mining Historian, Genesee, ID and**

**Steve Petroni, General Manager, Hecla Silver Valley, Inc., Coeur d'Alene, ID**

Monday evening enjoy a preview of the day to come. A reception/presentation for the field trip attendees will be held in Shades at the DoubleTree by Hilton from 7:00 - 8:00 pm. Earl and Steve will present an overview of the upcoming field trip events in a short and entertaining lecture that is guaranteed to enhance your trip.

On Tuesday enjoy a stimulating day traveling through 130+ years of history in the fabulous Coeur d'Alene, one of the world's greatest mining districts. Since Andrew Prichard first panned gold in 1878 and the accidental find of rich lead-silver ore by John Carten and Almeda Seymore in 1884, the Coeur d'Alene has attracted tens-of- thousands bent on seeking their fortunes and getting rich.

Great mines like Bunker Hill, Sunshine, Galena, Lucky Friday, Tiger-Poor-man, Hecla and over 100 more have produced huge quantities of ore and over a billion-ounces of silver. The history of these mines is as amazing as their incredible production.

Weathering floods, fire, labor wars and a host of other social issues, the Silver Valley, as it is known today, is a rich legacy of exciting and almost unbelievable stories that are far from over. Environmental awakenings over the past 50 years have only added to the district's attraction and mystique.

While the social and mining stories are interesting, no less a challenge is the really old history of the district, its geology. After all this time, geologists still argue passionately over how the mineralization came to be. Although controversial, there is some consensus that includes earth movements over the past 1.4 billion years and complex structural relationships that formed the mineralized veins. As the trip progresses, you can draw your own conclusions.

Today, Hecla Mining Company and Americas Silver Corporation continue to mine silver, lead and zinc from great mines following rich veins deeper and deeper. Other companies including Bunker Hill Mining Company and Sunshine Silver Mining scramble for the next discovery. The richness of the deposits insures that the story will continue, and geologists believe there is not just more ore, but much more ore to be found. But why not see for yourself? Take the trip!

# Technical Sessions

## MORNING SESSIONS | WEDNESDAY DECEMBER 5

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### STATE & PROVINCE REPORTS (Part 1)

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Rich Perry**, Administrator, Nevada Division of Minerals, Carson City, NV

#### Session Description:

Want to hear about exploration and mining activities for the past year in Western States and Provinces? In this all-day session, Economic Geologists from Western US States and Canadian Provinces will report on the exploration and development activities in metals and industrials for the past year in their respective areas. These specialists will also provide their insight into new mineral commodities and areas which are experiencing activity, and opportunities and challenges.

- **Alaska Exploration and Mining Update**, Steve Masterman, Director, Alaska Division of Geological & Geophysical Surveys, Fairbanks, AK
- **British Columbia Exploration and Mining Overview, 2018**, Bruce Northcote, BC Mineral Development Office, British Columbia Geological Survey, Vancouver, BC CANADA
- **Idaho Mining and Exploration, 2018**, Virginia Gillerman, Associate Research Geologist, Idaho Geological Survey, Boise, ID
- **Oregon Exploration and Mining Update**, Ian Madin, Deputy Director and Chief Scientist, Oregon Department of Geology and Mineral Industries, Portland, OR
- **Yukon Geology, Exploration and Mining Overview, 2018**, Scott Caselman, Head, Mineral Services, Yukon Geological Survey, Whitehorse, YT CANADA

### LITHIUM AT AEMA- ROUND 2

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Ruth A Carraher**, Geologist, C&M Consultants, Reno, NV and **Ted Wilton**, Chief Geologist, Uranium Resources, Centennial, CO

#### Session Description:

Description – This session will have 6-7 presentations covering both development/production and exploration for brines, pegmatites and Li-bearing clays. Discussion of the sources of Li and why and how Li is concentrated, along with geologic settings of the various deposit types will provide food for thought.

- **Where Does the Lithium Come From to Enrich Brines in Closed Basins?**, Catherine Hickson, COO, Dajin Resources Corp., Vancouver, BC, CANADA
- **An Improved Method for Optimizing Recovery of Lithium Brine, with Examples from Clayton Valley (NV)**, Mark King, PhD, FGC, PGeo, Groundwater Insight, Inc., Halifax, NS, CANADA
- **Genesis and Emplacement of Lithium Pegmatites**, Gary Pearse, MSC Geol, P.Eng., Equapolar Research, Ottawa, ON, CANADA
- **Structural Control of Synorogenic Lithium-Rich Claystone and Lithium Brine by the Silver Peak - Lone Mountain Extensional Complex, Southwestern Nevada: Fundamentals-Based Exploration by American Lithium Corporation**, John S. Oldow, Consulting Geologist, Borealis, La Conner, WA

### GROWTH COMPANIES – HAS GROWTH REPLACED SURVIVAL?

#### Area of Interest – Business & Finance

Chaired by: **Bob Felder**, President & CEO, Renaissance Gold, Inc., Reno, NV and **Ron Parratt**, Executive Chairman, Renaissance Gold, Inc., Reno, NV

#### Session Description:

With the long downturn in the market finally showing signs of stability, this session will showcase companies that have emerged through this difficult time with significant exploration results, material progress on the development of mineral resources or expansion of operating properties. Their efforts demonstrate that Nevada and the Great Basin continues to deliver new discoveries through exploration yielding material value for investments made even during difficult times. And lastly, that the opportunities created over the past several years have created acquisition opportunities for corporate growth by those with a forward looking vision.

- **Corvus Gold's New Gold Discoveries in the Beatty Area, Southwest Nevada**, Jeff Pontius, President, CEO & Director, Corvus Gold, Inc., Reno, NV
- **"It's Not Every Day You Get to Open a Mine", The Isabella Pearl Project, Walker Lane Mining District, Nevada**, Barry Devlin, Vice President Exploration, Gold Resource Corp., Denver, CO
- **Liberty Gold - First Movers in Historic Gold Districts in the Great Basin**, Moira Smith, Vice President Exploration & Geoscience, Liberty Gold Corp., Elko, NV
- **Nevada Copper: Development of the Pumpkin Hollow Project, Lyon County, Nevada**, David Swisher, Vice President Operations, Nevada Copper, Inc., Yearington, NV
- **Advancing the Relief Canyon Mine, Pershing County, Nevada**, Steve Alfors, President & CEO, Pershing Gold Corp., Lakewood, CO
- **Premier Gold and the Cove Project**, Tim George, Manager, Engineering Services, Premier Gold Mines USA, Inc., Reno, NV

### SOLVING METALLURGICAL CHALLENGES AND PROBLEMS

#### Area of Interest - Operations

Chaired by: **Melanie M Bond**, PE, Owner/Principal Engineer, Bond Minerals Services and Engineering, PLLC, Lead, SD, and

**Courtney Young**, Department Head Metallurgical and Material Engineering, Lewis S Prater Distinguished Professor, Montana Tech, Butte, MT

#### Session Description:

A selection of presentations focusing on mineral processing and extractive metallurgy solutions for the successful advancement of projects. Ideally this session will include contributions from industry and academia on topics ranging from diagnostic metallurgical tools and programs to equipment and process improvements – all the way from exploration through production.

- **Using Process Mineralogy for Flowsheet Development**, Sarah Prout, Senior Mineralogist, SGS Canada, Inc., Burnaby, BC CANADA
- **Letting the Tail Wag the Dog: How the Need for Improved Tailings Management can be Integrated into Process Design**, Laurie Reemeyer, Principal Consultant, Resourceful Paths, Vancouver, BC CANADA
- **The Volatilization and Fixation of Arsenic**, Corby Anderson, Harrison Western Professor, Department of Metallurgical & Materials Engineering, Colorado School of Mines, Golden, CO

# Technical Sessions

## MORNING SESSIONS | WEDNESDAY DECEMBER 5... (Cont'd.)

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### SOLVING METALLURGICAL CHALLENGES AND PROBLEMS... (Cont'd.)

- **TBA**, Michael Nelson, Chair Department of Mining Engineering, University of Utah, Salt Lake City, UT
- **Reducing Metallurgical Waste Streams Through Pyrometallurgical Slag Processing**, Natalie Deringer, Masters Student, Montana Tech, Butte, MT

### BASELINE SUCCESS:

#### Successful permitting in a changing environment

##### Area of Interest - Environmental

Chaired by: **Benjamin Veach, P.E.**, Principal, Stantec Consulting Services, Inc., Reno, NV

##### Session Description:

From Exploration to Mine Expansion Projects, the only consistency in mine permitting is change. From Eagles to the Executive Order, there are no two projects that are the same. Exploration and Mining must navigate changing waters to meet the demands of federal and state regulators.

This session will explore hot current topics in mining such as: Secretarial and Executive Orders for NEPA, USFWS Permitting Requirements, Groundwater Success's and Failures, and Adventures in Section 106 Cultural Resource surveys. A panel of experts from consulting, mining, and the regulatory sides will present examples of the changing roadmap to permit success. Join us for a comprehensive look at the permitting process and speak directly with experts in their respective fields.

- **Cultural Resources and the Role in Permitting for Exploration and Mining**, Speaker TBD
- **The Evolution of NEPA, Current Status**, Michele Lefebvre, NEPA Specialist, Stantec, Hilo, HI
- **Effective Groundwater Planning for Mining**, Rachel Peavler, Senior Hydrogeologist, WMH, Salt Lake City, UT
- **Planning to Close from the Beginning**, Speaker TBD

### LAND AND LEGAL ISSUES FOR MINERS

#### Area of Interest - Legislative & Public Affairs

Chaired by: **Cathy Suda**, Manager, US Land & Assets, Teck American Incorporated, Spokane, WA and

**Tracy O. Guinand**, Professional Consultant, Tracy Guinand Land, LLC, Reno, NV

##### Session Description:

The session will discuss permitting and land issues in several western states and BC as well as cross-border issues.

- **Securing Mineral Rights on Federal Acquired Lands**, Aleva Sayre, Partner, Stoel Rives, Minneapolis, MN
- **State Permitting in Active Western Mining Jurisdictions**, Wells Parker and Ben Machlis, Dorsey & Whitney, Salt Lake City, UT
- **Permitting a Mine in B.C.'s Golden Triangle**, Rolf Schmitt, M.Sc., P.Geo., Technical Director and Permitting Manager, ERM, Vancouver, BC, CANADA

## AFTERNOON SESSIONS | WEDNESDAY DECEMBER 5

SESSION TIMES: 2:00 - 5:30 COFFEE BREAK 3:35 - 4:20

### STATE & PROVINCE REPORTS (Part 2)

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Rich Perry**, Administrator, Nevada Division of Minerals, Carson City, NV

##### Session Description:

Want to hear about exploration and mining activities for the past year in Western States and Provinces? In this all-day session, Economic Geologists from Western US States and Canadian Provinces will report on the exploration and development activities in metals and industrials for the past year in their respective areas. These specialists will also provide their insight into new mineral commodities and areas which are experiencing activity, and opportunities and challenges.

- **Mineral Resource Potential in New Mexico, 2018**, Virginia McLemore, Principal Senior Economic Geologist, New Mexico Bureau of Geology and Mineral Resources, Socorro, NM
- **Carlin-Type Gold in Yukon: Detailed Geology and Pyrite Chemistry**, Patrick Sack, Economic Geologist, Yukon Geological Survey, Whitehorse, YT CANADA
- **Nevada Mineral Exploration and Production Update**, John Muntean, Director, Center for Research in Economic Geology, Nevada Bureau of Mines and Geology, University of Nevada Reno, Reno, NV
- **Results of a Study on Ore Tolling and Copper Concentrate Processing in Nevada**, Richard Perry, Administrator, Nevada Division of Minerals, Carson City, NV
- **USGS Mineral Resources Program and Critical Minerals Activities Update**, Thomas Crafford, USGS Mineral Resources Program Coordinator, U.S. Geological Survey, Reston, VA

### CRITICAL MINERALS 2018: RESOURCE NATIONALIZATION, TRADE WARS AND OBSTACLES AND CHALLENGES FOR IMPROVING DOMESTIC SUPPLY CHAINS

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Peter Vikre**, U.S. Geological Survey, Reno Office, Geology, Minerals, Energy and Geophysics Science Center, Mackay School of Earth Sciences and Engineering, University of Nevada, Reno, Reno, NV and

**Christopher Dail**, Manager, Exploration, Midas Gold Idaho, Inc., Spokane, WA

##### Session Description:

This session will focus existing and potential future domestic Critical Minerals occurrences, prospects and resources and the challenges to improving domestic production and supplies for our manufacturing base given the backdrop of: significant known critical mineral deposit endowment and distribution; trade wars and resource nationalism; subsidization and stockpiling; and political and environmental obstacles.

Possible solutions from a national perspective, such as encouraging exploration, stockpiling, comprehensive assessments and regulatory aspects as they apply may be explored.

- **TBD**, Steven Fortier, Director, National Minerals Information Center, U.S. Geological Survey, Reston, VA
- **The National Defense Stockpile as Part of the U.S. Critical Minerals Strategy**, Thomas (Tom) Rasmussen, Director Strategic Planning and Market Research Defense Logistics Agency - Strategic Materials, U.S. Department Defense, San Antonio, TX

# Technical Sessions

## AFTERNOON SESSIONS | WEDNESDAY DECEMBER 5... (Cont'd.)

SESSION TIMES: 2:00 - 5:30 COFFEE BREAK 3:35 - 4:20

### CRITICAL MINERALS 2018... (Continued)

- **US Management of the Geopolitical Minerals Conflict: Shifting to a "War-Fighting" Strategy by Reorganization/Repurposing via Executive Order and within Existing Budgets**, *Joseph (Joe) Baird, Partner, Baird Hanson LLP, Boise, ID*
- **URANIUM ONE – 20% OF WHAT? What Really Happened and the Frightening Lesson for Other Mineral Producers**, *George Byers, Consultant, Advisory Board Member, Rare Element Resources, Denver, CO*
- **Importing Critical Minerals from Friends and Enemies - What Effects on Our National Prosperity?**, *Dr. Ned Mamula, Adjunct Scholar in Geosciences, Center for the Study of Science at the Cato Institute, Washington, DC*

## ROYALTIES AND STREAM FINANCING TODAY

### Area of Interest - Business & Finance

Chaired by: **Jeff Jenkins**, *Director of Finance - US Operations, Franco-Nevada, Highlands Ranch, CO*

#### Session Description:

#### History of Royalties and Streams

- What is a Royalty?
- What is a Stream?
- How have royalties have changed over the years
- The evaluation of the Streaming and Royalty deals
- Deal size
- Streaming and Royalty deals done over the past 5 years
- Who are the major Royalty and Streaming companies?
- Current trends in financing

#### 1. Preparing to speak with a Royalty and Streaming Company

- Only one chance to make a good impression of your property
- Know about the company before calling
- Royalty and Streaming companies are not operators!
- What is important to a Royalty and Streaming company?
  - Recovery of investment
  - Payback time
  - Reputation and integrity of the operator
  - Potential for the operation to grow
- Property Specifics
  - Status of the property
    - Location
    - Ownership
    - Geology
    - Drilling/sampling work
    - Status of 43-101 or a feasibility?
    - Environmental issues
    - Permitting status
  - What is the operating plan for the property?
    - How is the property going to be mined?
    - How is the ore going to be processed?
    - What is your experience operating a mine?
    - How much capital is needed to put the property into operation?
      - Project risk
      - Production profile
    - Expect a due diligence process
      - Site visits

- Financial modeling
- Legal aspects of the Royalty and Streaming agreement**
    - This is going to govern the relationship going forward. It's very important.
    - The land status of a Royalty and Stream
    - Real property-personal property distinction
    - How long is a Royalty and Stream on the property?
    - Royalties and Streams are passive and operators have certain obligations
    - What happens to the Royalty and Stream if the property is sold?
    - What happen to the Royalty and Stream if the operator goes bankrupt?
    - What happens if there is a dispute?
  - What happens after the deal is done – Royalty and Stream Management**
    - The Royalty Statement
      - Supports the Royalty Payment
    - Includes document for:
      - Ounces/Tons sold/delivered
      - Deductions
      - Sales price
      - Percentage of Royalty claims mined
    - Reconciliations
    - Payments
      - Cash
      - In-kind
    - Changes to the Operation over the years
    - Disputes

## NEW MINING IN OLD DISTRICTS – Is it as easy as it sounds?

### Area of Interest - Operations

Chaired by: **Doug Stiles**, *General Manager – Hecla Montana, Hecla Mining Company, Coeur d'Alene, ID*

#### Session Description:

Sometimes, the best place to find a new prospect is in an area with historical success. Not only can historic mining districts present a wealth of geologic and past production information, but existing infrastructure and favorable land positions present many new project attractants. Furthermore, yesterday's cut-off grade could be today's high-grade AND yesterday's no-value byproduct could be today's primary resource. That being said, historic districts also present their fair share of challenges for new project proponents – from technical and permitting of the new to dealing with potential historic project liability. This session will feature both projects and topics centered on new development in historic mining districts with a special focus on actual (or possible) challenges faced by new project proponents with possible solutions.

- **Talk TBD**, *Erika Malmen, Partner, Perkins Coie LLP, Boise, ID*
- **A River Runs Through It: Designing and Permitting the Stibnite Gold Project**, *Dale Kerner, Permitting Manager, Midas Gold, Boise, ID*
- **Lessons Learned from the Great Lakes Iron Ranges**, *Tina Pint, VP, Senior Hydrologist, Barr Engineering, Minneapolis, MN, Greg Fontaine, Partner, and Aleava Sayre, Partner, Stoel Rives, LLP, Minneapolis, MN*
- **Talk TBD**, *Keith Boyle, Chief Operating Officer, Titan Mining Company, Toronto, ON CANADA*

# Technical Sessions

AFTERNOON SESSIONS | WEDNESDAY DECEMBER 5... (Cont'd.)

SESSION TIMES: 2:00 - 5:30 COFFEE BREAK 3:35 - 4:20

## NATIONAL HISTORIC PRESERVATION ACT; UPDATE ON EFFORTS TO CLARIFY NHPA IMPLEMENTATION

**Area of Interest: Environmental**

Chaired by: **Karen C. Bennett**, Member, Clark Hill PLC, Washington, DC

### Session Description:

Congress passed the NHPA in 1966 to encourage public and private historic preservation activities. The NHPA requires that, prior to any federal expenditure or issuance of a permit, the federal agency with jurisdiction must consider the effect of the federal action on any district, site, building, structure, or object that is included or eligible for inclusion in the National Register of Historic Places ("NR") and provide the Advisory Council on Historic Preservation (ACHP) with a reasonable opportunity to comment with regard to the undertaking.

The National Register of Historic Places ("NR") is composed of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. Once a site is determined eligible for listing or listed in the NR, the National Historic Preservation Act (NHPA) requires that a federal agency must consider whether a proposed action will diminish the characteristics qualifying a property for the Register. A determination of eligibility renders the property on equal footing with listed properties for purposes of invoking Section 106 Review, making listing on the NR unnecessary for Section 106 protection. However, the determination of eligibility process does not require public notice and consideration of landowner input; these requirements apply only when the property is formally *nominated* for inclusion on the NR, which may never occur. There is also no right to appeal an eligibility determination. Consequently, large swaths of private, state and public land have been determined eligible with no public or landowner awareness and the designation has been used as a means to stop development projects or impose substantial additional costs through required "mitigation."

This session will take a hard look at the NHPA, the NR, and implementing regulations and guidance from the perspective of the authorizing agency, project proponents, landowners, and State Historic Preservation Officers. Specifically, the session will focus on implications associated with the inclusion of landscapes, waterways, natural resources, and purely intangibles as resources eligible for listing on the NR and efforts to return to Congress' intent and common sense to NHPA decision-making.

- **Historic and Cultural Resources Under the NHPA: What was Congress Thinking?**, Karen Bennett, Member, Clark Hill PLC, Washington, DC
- **Challenges with Implementing the NHPA in the American West**, Allyson Brooks, Ph.D., Director, Washington Historic Preservation Officer, Washington State Department of Archaeology and Historic Preservation, Olympia, WA
- **TBD**, Christen Harsha, Counsel, House NRC Oversight - Invited, US House of Representatives, Washington, DC
- **TBD**, Ryan Hambleton, Deputy Assistant Administrator for Parks - Invited, Department of the Interior, Washington, DC

## WHAT'S YOUR ENGAGEMENT AND SUSTAINABILITY STORY? AND DOES IT ADD VALUE TO YOUR COMPANY AND COMMUNITY?

**Area of Interest - Legislative & Public Affairs**

Chaired by: **Matt Johnson**, External Affairs for Lundin Mining, Upper Peninsula, MI, and

**Zach Spencer**, External Relations for Comstock Mining, Virginia City, NV

### Session Description:

In a changing economy and global demand for minerals, companies will need to define and embrace what sustainability means for their future. Investors want to know they are investing in a socially and environmentally responsible manner and that mining companies have good governance that benefits the communities in which they operate. This will require changing the communications and engagement paradigm that will focus on proactively telling your story and understanding why communities both support and oppose future or existing operations. Perhaps, the forgotten, most important stakeholder for the future success of our mining economy is the mining workforce. How does your company engage with your best ambassadors?

- **Defining Sustainability – What does that word mean anyways?**, Matt Johnson, External Relations Manager, Lundin Mining, Champion, MI
- **The Art of Storytelling, if you don't tell your story, who will?**, Dan Blondeau, Founder and Chief Strategist, GrittComm, Stephenson, MI
- **Mining for Support: Balancing opposition engagement with silent supports**, Corrado De Gasperis, Executive Chairman & CEO, Comstock Mining, Inc., Virginia City NV
- **What is Social License & Why You Should Have it**, Adam Hawkins, President, Global External Relations, Phoenix, AZ

Save the Date **AEMA's**



**Young  
Profession-  
als  
Networking  
Reception**

Thursday December 6 -  
following the Happy Hour Reception  
in the Exhibit Hall

DoubleTree by Hilton Spokane City Center  
(Room to be determined)  
Student Poster Contest Prizes  
will be awarded at this event.  
6:30 - 8:30 pm

# Technical Sessions

## MORNING SESSIONS | THURSDAY DECEMBER 6

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### MINING DEVELOPMENT IN THE MIDWEST: GREAT LAKES STATES OPERATIONS AND DEVELOPMENT PROJECTS

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Frank Ongaro**, Executive Director, Mining Minnesota, Duluth, MN

#### Session Description:

The advancement of base and precious metal mining development projects is bringing opportunity to the Midwest. Great Lakes States are attracting global investment and poised to lead the way in responsible development of the metals that make our modern society possible.

This session will highlight several of the development projects and proposals moving forward in the region and their exemplary efforts toward environmental responsibility.

- **PolyMet: Permitting & Litigation Update**, Brad Moore, Executive Vice President, Environmental & Governmental Affairs, PolyMet Mining, St. Paul, MN
- **Eagle Mine: A Focus on Safety, Growth, Closure and Cultural Protection**, Kristen Mariuzza, General Manager, Eagle Mine, Champion, MN
- **Twin Metals Minnesota: Project Update**, Dean DeBeltz, Director Operations and Safety, Twin Metals Minnesota, St. Paul, MN
- **Encampment Minerals, Inc. Exploration and Development Overview**, Harold J. Noyes, President, T. DeMattes and J. Glasscoc, Encampment Minerals, Inc., Ely, MN
- **Mesaba: Surfacing Value and Creating Understanding from a Substantial Copper-Nickel Resource**, Dan Foley, Senior Geologist and Lisa Weidemann, Manager, Environment & Community Affairs, Teck American, Spokane, WA
- **Time-Lapse Geophysics in the Mesabi Iron District - A 4D Aeromagnetic Study**, Andrea Balza-Morales & Michael Hobbs, ED-CON-PRJ, Denver, CO

## ALASKA

### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Deantha Crockett**, Executive Director, Alaska Miners Association, Anchorage, AK, and

**Mike Satre**, Manager of Government and Community Relations, Hecla Greens Creek Mining Co., Juneau, AK

#### Session Description:

Alaska's mining industry saw significant change on the federal front underneath the Trump Administration, with an uptick in exploration investment and renewed interest in project development. However, the State still faces serious challenges. Learn how results from the November election will impact the state's mining industry, and how Alaska's miners preserve regardless of political outlook.

- **Leadership, Ballot Initiatives, and Business Policy: The Impact of November's Election to Alaska's Mining Industry**, Mike Satre, Manager of Government and Community Relations, Hecla Greens Creek Mining Co., Juneau, AK and Deantha Crockett, Executive Director, Alaska Miners Association, Anchorage, AK
- **State of the State of Mining in Alaska**, Curt Freeman, President, Avalon Development Corp., Fairbanks, AK
- **An Integrated Approach to Deep Exploration of the Borite Carbonate-hosted Copper Replacement Deposit, Northwestern Alaska**, Rick Van Nieuwenhuyse, President & CEO, Trilogy Metals, Inc., Vancouver, BC CANADA
- **Red Dog Presentation**, Wayne Hall, Superintendent, Environment and community Relations, Teck Alaska, Inc., Red Dog Mine, Anchorage, AK

### DIGITIZING MINING AND EXPLORATION: Technology Innovations from Geophysics to Operations

#### Area of Interest - Operations

Chaired by: **Trevor Hall**, President, Clear Creek Digital, Wheat Ridge, CO

#### Session Description:

Disruptive technologies and the Internet of Things (IoT) have brought a renaissance of digitization and innovative technologies into the mining industry. From mineral exploration to underground mining operations, technology in the mining industry is now applying a foundation of mining and exploration operations for the future. In this session, we will look at proven technologies being implemented now and available to all industry.

- **3D Multi Component Seismic Imaging of Mine Workings, Voids, and Karst**, Jamey Turner, P.G., Senior Geologist/Geophysicist, Tetra Tech, Golden, CO
- **Drill-hole and Sample Databases - A Value Proposition**, Paul Hartley, Manager, TerraSource Software, Reno, NV
- **Unmanned Aerial Vehicles and their Applications in Exploration and Mining**, Peter Dueck, Pioneer Aerial Surveys, Regina, SK CANADA
- **EH&S Digital Transformation Best Practices**, Lester Engel, Partner, ERM, Atlanta, GA
- **Exploration at the Edge**, Mark Gabbitus, Product Strategy Manager, Micromine, Nedlands, Western Australia

Take advantage of the registration discounts. Register before the November 18 deadline



# Technical Sessions

## MORNING SESSIONS | THURSDAY DECEMBER 6... (Continued)

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### MINE CLOSURE AND RECLAMATION

#### Area of Interest: Environmental

Chaired by: **Nick Rauh**, *Western/Central Technical Manager, Agru America, Inc., Fernley, NV*

#### Session Description:

Mine closure is a critical component of environmental management in the mining industry. A thorough mine closure and reclamation plan is a complicated and often overlooked aspect in the design life of a site. This session will present technical presentations and case studies on the closure and remediation process from shut down to post-closure monitoring from mining professionals and land management agencies.

- **Uranium Passive treatment Using Biochemical Reactors to Support Mine reclamation**, *Mike Hay, Principal Scientist, Arcadis, Broomfield, CO*
- **SGC Mining and reclamation Activities land Metals Loading in the Animas River**, *Steven Lange, Senior Project Manager, Knight Piésold Consulting, Denver, CO*
- **Permeable Reactive Barrier (PRB) for the Removal and Immobilization of Selenium in Seep Water and Shallow Groundwater at a Phosphate Mine in Southern Idaho: Results of Bench Scale Testing**, *Bill Walker, Senior GeoChemist, Newfields, Seattle, WA*
- **Process Solution Management Via Evaporation**, *Rob Valceschini, Principal/Senior Engineer, Geo-Logic Associates, Sparks, NV*

### PUBLIC LANDS UPDATE

#### Area of Interest - Legislative & Public Affairs

Chaired by: **Debra W. Struhsacker**, *Environmental Permitting & Government Relations Consultant, Reno, NV*

#### Session Description:

This session will feature public lands experts who will discuss policies that influence mineral exploration and development on public lands administered by the U.S. Department of the Interior/Bureau of Land Management and the U.S. Department of Agriculture/U.S. Forest Service. The session will focus on new policies and long-neglected policies including the National Materials and Minerals Policy Research and Development Act of 1980.

- **Opportunities and Risks at the Federal Level**, *Colin Hayes, Founding Partner, Lot Sixteen, Washington DC*
- **NEPA Streamlining and Rulemaking**, *Jim Butler, Shareholder, Parsons Behle & Latimer, Reno, NV*
- **Greater Sage Grouse Management: Administrative Changes and Litigation Challenges**, *Connie Brooks, Attorney, C.E. Brooks & Associates, PC, Denver, CO*
- **The Intersection of Mineral Withdrawals and Multiple Use**, *Katie Sweeney, Senior Vice President, Legal Affairs & General Counsel, National Mining Association, Washington, DC*
- **Breathing Life into the Long-Neglected National Materials and Minerals Policy, Research & Development Act of 1980**, *Debra W. Struhsacker, Environmental Permitting & Government Relations Consultant, Reno, NV*

## AFTERNOON SESSIONS | THURSDAY DECEMBER 6

SESSION TIMES: 2:15 - 5:45 COFFEE BREAK 3:50 - 4:35

### LARGE LEFT LATERAL LEAPS TO GEOLOGIC

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **E.L. "Buster" Hunsaker III**, *Consulting Geologist and Molly Hunsaker, Owner, Hunsaker, Inc., Elko, NV*

#### Session Description:

This year we will continue the tradition of provocative talks, accentuated by "inspired" discussions and commentary. Of course we will count on (un)conventional beverages to help. The session is targeting presentations on the cutting edge of exploration science. This is a forum for unusual deposit types and a chance to bring to the light of day new and/or great leaps in exploration, exploration technology, exploration philosophy, or the development of mineral projects.

- **The Fatal Ramifications of a Neglected Exploration Geochemical Fact**, *Larry Turner, President & Managing Geologist, DIR Exploration, Denver, CO*
- **In Data we Trust: Enter Accurately, Process, Quickly and Present Clearly OR Transforming Mouse Clicks to Money**, *Lucia Patterson, GIS / Field Specialist - Geologist, Nevada Division of Minerals, Carson City, NV*
- **Cobalt Deposits in the Goodsprings District, Nevada: Possible Genetic Models**, *Rick Redfern, President & COO, RMIC Gold, Elko, NV*
- **Gold Mineralization at the Beartrack Mine, Lemhi County, Idaho**, *Steve Priesmeyer, Vice President Exploration, Revival Gold, Inc., Toronto, ON CANADA*
- **Real-Time Targeting with Oriented Core Structural Data and the Importance of Real-Time QAQC**, *Chris Brown, Consultant/Business Development Manager, Oriented Targeting Solutions, LLC, Reno, NV*

### FOCUS ON EXPLORATION IN MEXICO

#### Area of Interest - Mineral Deposits, Geology & Exploration

Chaired by: **Dean McDonald**, *Senior Vice President, Exploration, Hecla Mining Co., Vancouver, BC CANADA and Kurt Allen*, *Director, New Projects, Hecla Limited, Blaine, WA*

#### Session Description:

Mexico's mining and exploration renaissance is in full swing as there are over 200 foreign publicly traded companies involved in exploration and mining activities in Mexico.

Mexico is the world's second largest silver producer and is a significant gold producer with some base metal production. Most of the historic and recent discoveries in Mexico have been found in the prolific Sierra Madre mineral belt, a geological structure straddling several states in central and western Mexico. This highly prospective yet under-explored belt contains classic low and high sulphidation epithermal deposits, precious-metal rich skarn, mantos and VMS deposits and silver-lead-zinc breccias and stockworks.

This session will cover a number of outstanding exploration and mining projects occurring in Mexico and give an overview of the exploration potential in Mexico.

- **Mexico: Discoveries, Overview and Future**, *John-Mark Staude, President/CEO, Riverside Resources, Inc., Vancouver, BC, CANADA*
- **The Geology of the Cerro Los Gatos Ag, Pb, ZN Deposit, Chihuahua, Mexico**, *Phil Pyle, Vice President Exploration, The Electrum Group, Denver, CO*

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# Technical Sessions

## AFTERNOON SESSIONS | THURSDAY DECEMBER 6

SESSION TIMES: 2:15 - 5:45 COFFEE BREAK 3:50 - 4:35

### FOCUS ON EXPLORATION IN MEXICO... (Continued)

- **Exploration Update of the Cerro Las Minitas Project in Durango, Mexico**, Rob McDonald, Vice President Exploration, Southern Silver, Vancouver, BC CANADA
- **Las Chispas Project; A New High-Grade Silver-Gold Discovery in Sonora, Mexico**, Eric Fier, CEO, SilverCrest Metals, Inc., Vancouver, BC CANADA
- **Exploration and Progress Update on the Ixtaca Gold-Silver Deposit, Puebla, Mexico**, Morgan Poliquin, President/CEO, Almaden Minerals, Vancouver, BC, CANADA
- **Exploration at the San Sebastián Vein System, Durango, Mexico**, Stephen Redak, Exploration Manager, Minera Hecla, Coeur d'Alene, ID

### FUNDING AND ACCESSING CAPITAL FOR MINING AND EXPLORATION:

#### KEY TRENDS – What is Outlook

#### Area of Interest - Business & Finance

Chaired by: **Tim Alch**, Financial Analyst, Managing Partner, TAA Advisory LLC, Edgewater, NJ

#### Session Description:

Following a period of declining prices bottoming in 2015, trends have improved. What should a discovery, project and or mining company know about the capital available? What determines and impacts success? Do in advance? What types of capital are best? What is the impact of capital available? Including streaming, royalty, off-take agreements, etc.? What are recent trends in mining finance? What changed in the past year? Join leading experts who will talk about recent transactions. Join us to get your questions answered.

- **What are the Financial Implications of Delaying Project Acquisitions in Battery Materials, Precious and Base Metals?**, Brad Terhune, Cost Analyst/Senior Geologist, MiningIntelligence, Costs Division, Spokane, WA
- **Good Geology is Vital for Success**, William (Bill) Feyerabend, Certified Professional Geologist, Prescott Valley, AZ
- **The Trouble with Geologists**, Michael S. (Mickey) Fulp, The Mercenary Geologist, Albuquerque, NM
- **Financing the Acquisition of Mining Assets: the Differing Options for Operating Development & Exploration Stage Assets**, Cynthia Urda Kassis, Head of the Metals & Mining Practice and Partner in the Project Development & Finance, Shearman & Sterling LLP, New York, NY
- **ESG Matters in Mining**, Thomas (Tom) A. Perchiazzi, Jr., Partner, ERM, Denver, CO
- **Current Trends and outlook re Accessing Capital for Mining Exploration, Development & Operating Costs and M&A**, William Chad, P.Eng, Chief Executive Officer, Red Cloud Klondike Strike, Inc., Toronto, ON CANADA
- **The Role of Private Equity in Mining Finance**, Justin Anderson, P.E., Senior Associate, Resource Capital Funds, Denver, CO

### MINING HYDROLOGY

#### Area of Interest - Operations

Chaired by: **Mike Hardy**, Senior Project Manager, Lumos & Associates, Reno, NV and

**Ronald Parratt Jr.**, Environmental Specialist, Newmont Mining Corporation, Reno, NV

#### Session Description:

Water as it relates to mineral exploration and mining is a critical resource to manage. Whether mineral exploration, permitting, mine operations, compliance, or mine closure; most operations need to overcome and address challenges as it relates to this natural resource. This year, the Hydrology Session plans to present talks that address many of the challenges associated with water resources and how the industry is solving these problematic challenges.

- **Case Study on Pore Pressure Response to Mining in Ultra-Low Hydraulic Conductivity Fractured Bedrock**, John Rupp, Senior Hydrogeologist, Piteau Associates, Reno, NV
- **Hydrology of the Cripple Creek and Victor Mine Sites**, Ron Parratt, Environmental specialist, Newmont - Cripple Creek & Victor Gold Mine Co., Victor, CO
- **Exploration for Lithium Brine Waters in Nevada**, Mike Banta, Principal Consultant, Confluence Water Resources LLC, Reno, NV
- **Borehole Magnetic Resonance Applied to Resource Evaluation**, Marcus Donaldson, Business Development Manager, Mount Sporis Instruments/Qteq Pty, Ltd, Denver, CO
- **Dust Mitigation Using a Water Conservation Program**, Steven Clark, Field Scientist Manager, EnviroTech Services, Inc., Greeley, CO

### LARGE LEFT LATERAL LEAPS FOR ENVIRONMENTAL – FAST WORDS IN A SLOW WORLD – WHAT DOES REGULATORY IMPROVEMENT OFFER TO REAL-LIFE NEEDS

#### Area of Interest - Environmental

Chaired by: **David Steed**, Mining Business Line Director, SWCA Environmental Consultants, Salt Lake City, UT and

**Nick Enos**, Principal Geoscientist, BGC Engineering, Bend, OR

#### Session Description:

To make sense of the current regulatory environment, a panel of representatives from agencies, industry, and legal firms, along with AEMA's committee leads will discuss their observations on administrative process effects, impact to planning and business decision, and what is anticipated to come next. Our panel and committee leads will provide their view of what streamlining and permit fast-tracking really means, what it isn't, and the potential pitfalls associated with going too fast with too little. Topics to include:

- Status of agency (DOI, USFS, and USACE) guidance on implementing process and NEPA streamlining.
- What can industry do to ensure streamlining?
- Engaging the public and challenges to communicating purpose and need.
- Meeting the NGO challenges ahead.

**Moderators:** Chris Thomas, Perkins Coie, Phoenix, AZ; Ken Houser, Senior Principal Southwest, SWCA Environmental Consultants, Phoenix, AZ; Chris Garrett, Senior NEPA PM, SWCA Environmental Consultants, Phoenix, AZ; David Steed, Director, Business Development - Mining, SWCA Environmental Consultants, Salt Lake City, UT; Nick Enos, Principal Geoscientist, BGC Engineering, Bend, OR  
(cont'd. on next pg.)

# Technical Sessions

## AFTERNOON SESSIONS | THURSDAY DECEMBER 6

SESSION TIMES: 2:15 - 5:45 COFFEE BREAK 3:50 - 4:35

**LARGE LEFT LATERAL LEAPS FOR ENVIRONMENTAL...** (Continued)

### Panel Members:

- **Patty McGrath**, Mining Advisor, EPA Region X, Seattle, WA
- **Eric Fjelstad**, Partner, Perkins Coie, Alaska, Anchorage, AK
- **William James**, National Mining Lead, U.S. Army Corps of Engineers, Nashville, TN
- **Mindy Vogel**, Minerals & Geology, Forest Service Washington Office, Washington, DC
- **Ruth Heese**, Department of Interior, Solicitor's Office (tentative), Washington, DC
- **Ron Rimelman**, VP Environment, Health, Safety & Sustainability, NOVAGOLD, Vancouver, BC CANADA
- **Matt Persson**, NEPA Practice Lead, SWCA Environmental Consultants

## MORNING SESSIONS | FRIDAY DECEMBER 7

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### THE CURT EVERSON GREAT BASIN EXPLORATION SESSION

**Area of Interest: Mineral Deposits, Geology & Exploration**

Chaired by: **Greg Hill**, Principal Geologist, Renaissance Gold, Inc., Reno, NV

#### Session Description:

Exploration in the Great Basin continues its comeback as interesting targets are being developed and tested. With a need for new mines and an improving financial environment, a small but growing group of companies is once again exploring early-stage prospects with real opportunities for discovery. Creative thinking has generated valid, untested targets that deserve attention; and more good ideas are being developed by a wide range of Great Basin explorers, including prospectors, juniors, and majors. This session will focus on generative exploration, highlighting important new ideas aimed at making Nevada's next big discovery. Join us as we learn about some intriguing examples of exciting early-stage prospects.

- **Ghost Ranch: A New, Never Before Tested Concealed Carlin-Style Prospect, Elko County, Nevada**, Greg Hill, Principal Geologist, Renaissance Gold, Inc. Reno, NV
- **Geology and Mineralization of the Lola Prospect, Lander County, Nevada**, Dave Mough, President, Dave C. Mough Mineral Explorations, Nevada City, CA
- **Combining Conventional Exploration Techniques with Low-Cost Drilling and Hydrogeochemistry to Explore for Covered Carlin-Type Gold Deposits: A Case Study from South Grass Valley, South-Central Nevada**, Wade Hodges, CEO and Director, Nevada Exploration, Inc., Reno, NV
- **Grassy Mountain Gold Project: A Proposed Underground Mine in Malheur County, Oregon**, Glen van Treek, President and CEO, Paramount Gold Nevada Corp., Winnemucca, NV
- **New Eyes on Old Camps**, Mike Power, President, CEO and Director, Silver Range Resources Ltd., Vancouver, BC CANADA

## INTELLIGENCE AMPLIFICATION – EMERGING TECHNOLOGIES FOR SMARTER MINES AND WORKERS

**Area of Interest -Operations**

Chaired by: **Mary M. Poulton**, Co-Director, Lowell Institute for Mineral Resources, University of Arizona, Tucson, AZ

#### Session Description:

The Fourth Industrial Revolution, described by Klaus Schwab from the World Economic Forum, is a new period of rapid technology change focused around interconnected technologies from 3D printing to biotechnology to the industrial internet of things. Inexpensive and ubiquitous sensors and computer applications allow more data to be collected and analyzed with machine learning and artificial intelligence (AI) algorithms. Rather than relying on these algorithms to make critical decisions in place of humans we can instead, use them for Intelligence Amplification (IA) – helping focus human decision making and attention where it is most needed. This session will explore innovative technologies in the mining sector that help make mines safer and more productive as well as enabling workers to make better decisions.

- **Personalized Mine Safety and Health Monitoring**, Moe Momayez, Associate Professor, University of Arizona, Tucson, AZ
- **Deployment of an Internet-Enabled "Intelligent Monitoring System" for Improved Safety During Machine Maintenance**, David Parks, Mechanical Engineer, NIOSH, Spokane, WA
- **New Approach to Mitigating Dust in Mineral Processing Facilities**, Valbhav Raj, General Engineer, NIOSH, Spokane, WA
- **Nexus of Supervised Learning and Analysis: Speeding up Informed Critical Decisions**, Pratt Rogers, Assistant Professor, University of Utah, Salt Lake City, UT
- **Synthetic Learning Environments to Improve Worker Safety and Performance**, Mary Poulton, CEO, Desert Saber LLC, Mead, WA

## SUSTAINABILITY IN MINING: Where Are We and Where Do We Want To Be?

**Area of Interest: Environmental**

Chaired by: **Daniel G. Bonner**, PE, Principal Engineer, Arcadis U.S., Inc., Reno, NV and

**Patrick Keller**, Principal Engineer, Arcadis U.S. Inc., Littleton, CO

#### Session Description:

As the demand for mined resources continues to grow, so does the need to successfully implement sustainable mining practices to address the associated environmental, economic, health and social impacts. This session will explore sustainable practices in the mining sector; Which practices are being implemented successfully? Which are not? What other sustainable practices should we be exploring?

- **Sustainable Mining - A New Business Imperative**, Joe Driscoll, Partner & Mining Account Director, ERM, Denver, CO
- **Learning Sustainability From the Pro's**, Seth D'Imperio, Senior Microbiologist & Lisa Kirk, Principal Biogeochemist, Enviromin, Inc., Bozeman, MT
- **Biochemistry Best Practices to Achieve Sustainable Long-Term Reclamation of Uranium Mines**, Mike Hay, Senior Scientist, Arcadis U.S., Inc., Broomfield, CO
- **Optimizing Beneficial Reuse of Closed Mined Lands**, Patrick Keller, Principal Engineer, Arcadis U.S., Inc., Littleton, CO

# Technical Sessions

## MORNING SESSIONS | FRIDAY DECEMBER 7

SESSION TIMES: 8:00 - 11:30 COFFEE BREAK 9:35 - 10:20

### LEGISLATIVE & REGULATORY AFFAIRS

*Area of Interest: Legislative & Public Affairs*

Chaired by: **Laura Skaer**, *Executive Director, American Exploration & Mining Association, Spokane, WA*

#### Session Description:

Industry experts and congressional staff will offer their insights on key legislative, regulatory and judicial issues facing the industry as well as the impact of mid-term elections on industry issues and its legislative/regulatory agenda. Topics to be discussed may include: ESA Reform; NEPA and Permitting reform; Segregations and withdrawals; Wilderness Study Areas; and what to expect in 2019. Topics and speakers will be updated prior to the meeting. Speakers include:

- **EPA's Smart Sectors Program, Mining Industry Snapshot**, *Bob Sachs, EPA Smart Sectors Program, Office of Policy, Washington, DC*
- **ESA Reform Panel Featuring Experts on the Endangered Species Act**
  - **L. Michael Bogert**, *General Counsel, Midas Gold Idaho, Inc., Boise, ID*
  - **James Auslander**, *Principal, Beveridge & Diamond, P.C., Washington, DC*
  - **William Sloan**, *Partner, Venable LLP, San Francisco, CA*
  - **Andrea Travnicek (Invited)**, *Principal Deputy Secretary - Water & Science, U.S. DOI, Washington, DC*
- **Kathy Benedetto**, *Senior Advisor, Bureau of Land Management, Washington, DC*
- **Matt Ellsworth**, *Government Affairs Manager, American Exploration & Mining Association, Spokane, WA*

## 2018 ANNUAL MEETING SPONSORSHIP OPPORTUNITIES

Your sponsorship dollars help to defray the costs associated with the Annual Meeting and allows you the opportunity to enhance your visibility among the industry's most influential business leaders. Sponsors names will appear on the AEMA website, in *The Bulletin*, in Annual Meeting brochures and at the Annual Meeting.



**PLEASE LIMIT YOUR CATEGORIES TO 3 PER SPONSORSHIP.**

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• Coffee Breaks <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday	\$ 500	\$ 4,000
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<input type="checkbox"/> Thursday - Happy Hour Reception in the Exhibit Hall	\$ 2,500	\$ 30,000
<input type="checkbox"/> Thursday - Young Professionals Mixer	\$ 500	\$ 5,000
<b>EXHIBIT HALL TECHNICAL SESSION BREAKS</b> (each break)		
• Morning <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday	\$ 500	\$ 4,000
<input type="checkbox"/> Friday Morning Moose Milk	\$ 500	\$ 2,500
• Afternoon <input type="checkbox"/> Wednesday   N/A Thursday	\$ 500	\$ 4,000
<b>MEALS</b>		
<input type="checkbox"/> Wednesday - Wednesday Keynote Speaker Luncheon	\$ 2,500	\$ 16,000
<input type="checkbox"/> Wednesday - Exhibit Hall Sandwich Lunch	\$ 250	\$ 6,000
Thursday - Government Industry Breakfast (sponsorship is full)	N/A	N/A
<input type="checkbox"/> Thursday - Wednesday Keynote Speaker Luncheon	\$ 2,500	\$ 16,000
<input type="checkbox"/> Thursday - Exhibit Hall Sandwich Lunch	\$ 250	\$ 6,000
<input type="checkbox"/> Friday - Hosted Exhibit Hall Sandwich Lunch	\$ 250	\$ 6,000
<b>GENERAL SPONSORSHIP OPPORTUNITIES</b>		
N/A Registration Bag	N/A	N/A
<input type="checkbox"/> Student Travel Aid	\$ 300	\$ 12,000
<input type="checkbox"/> Student Poster Session	\$ 300	\$ 2,500
<input type="checkbox"/> General Convention Sponsors	\$ 100	
<b>TECHNICAL SESSIONS</b>		
<input type="checkbox"/> Technical Session Sponsors	\$ 500	\$ 20,000
<input type="checkbox"/> Thursday Traditional LLLL Session - beer	\$ 100	\$ 2,500
<input type="checkbox"/> Thursday Environmental LLLL Session - beer	\$ 100	\$ 2,500
<b>EXHIBIT HALL</b>		
<input type="checkbox"/> Core Shack Displays	\$ 500	\$ 8,000
<input type="checkbox"/> Exhibit Hall Bars (Sponsorship is full)	N/A	N/A

### 2018 Annual Meeting Sponsorship Agreement

Complete this form and return it by mail to AEMA 10 N Post Street, Ste. 305, Spokane, WA 99201-0705;  
by fax: (509) 623-1241 or by email: [phaywood@miningamerica.org](mailto:phaywood@miningamerica.org)

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# Student Poster Contest

The Student Poster Contest is designed to give young men and women the opportunity to present papers to the convention attendees. This year's contest will be judged on Wednesday, December 5. Set up will take place on Tuesday, December 4.

## CONTEST DESCRIPTION

The contest is structured to simulate the presentation of a project or process to management by an engineer, geologist or metallurgist. The candidate will be judged on his/her ability to convey meaning and conviction that the work is significant and is of benefit to the minerals industry. The contest provides an excellent opportunity for young people to meet leaders in the minerals industry and to develop communication skills with other professionals who may not necessarily be skilled in the student's particular discipline. We are accepting papers dealing with exploration, operations, management, economics, reclamation and other subjects pertinent to the mining industry.

## PRIZES TO BE AWARDED

- Grand Prize ~ \$350 - a \$250 gift certificate from Miners Incorporated - donated by the Wray D. Farmin Family Fund and a \$100 check donated by the William C. Jordan Fund
- 2nd Prize ~ \$200 Check donated by Sponsors of the 2018 AEMA Annual Meeting
- 3rd Prize ~ \$150 Check donated by Sponsors of the 2018 AEMA Annual Meeting
- 4th Prize ~ \$100 Check donated by Sponsors of the 2018 AEMA Annual Meeting
- 5th Prize ~ \$ 75 Check donated by Sponsors of the 2018 AEMA Annual Meeting

## SPECIFICATIONS

### BOOTH DIMENSIONS:

Each student will be provided a 4' x 8' poster board display unit (that will accept push pins), a table and a chair.

### DISPLAY MATERIALS:

The display materials for hanging on the panels should be maps, diagrams, charts and posters that are of good quality. Core, rock samples, test results, demonstrations, handouts or other such items can be displayed or distributed on the table.

### SIGNAGE:

AEMA will prepare one "identifying" sign for each student to display at his/her booth. The sign will have the student's name, school name and the presentation title.

### SET UP & JUDGING:

Exhibitor, core shack and student poster set up will take place between 8:00 am and 5:00 pm on Tuesday December 4. Judging will be on Wednesday December 5. Students are expected to be at their posters and ready to discuss their poster projects. Prizes will be awarded during the Young Professionals Mixer Thursday evening.

## COST

Technical Session fees are waived for all full time students who are members or become members of AEMA. Student membership fees are \$25.00 annually. Student travel aid is available. Contact Pat Heywood - pheywood@miningamerica.org

This entry form does not constitute a registration. Students must complete and return a registration form. See form in this brochure, or on line at [www.miningamerica.org](http://www.miningamerica.org)

## HOW TO ENTER

Interested students should complete and return the registration form below to AEMA on or before October 15. If you have any questions please contact Pat Heywood [pheywood@miningamerica.org](mailto:pheywood@miningamerica.org).

### 2018 STUDENT POSTER CONTEST ENTRY FORM

Return the completed form to AEMA~ 10 N Post St., Ste. 305, Spokane, WA 99201-0705  
Email to: [pheywood@miningamerica.org](mailto:pheywood@miningamerica.org); or Fax to: (509) 623-1241

Student Name \_\_\_\_\_

School \_\_\_\_\_

Preliminary Title of Presentation (may be changed prior to October 15) \_\_\_\_\_

Email \_\_\_\_\_ Cell Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Country \_\_\_\_\_



# Expanded Poster Exhibition

Chair: **David G. Frank**, *Mineral Resources Program Outreach, U.S. Geological Survey, Spokane, WA*  
**Allen Andersen**, *Geologist, U.S. Geological Survey, Spokane, WA*

In addition to the traditional Student Poster Contest, we invite faculty, researchers, contractors, and other interested parties to present posters about their ongoing projects related to the minerals industry. This year's exhibition will take place in the lobby of the Spokane Convention Center on Wednesday, December 5 - Friday December 7. This is a highly visible location to present your project to convention attendees.

## DESCRIPTION

We are accepting papers dealing with exploration, geochemistry, geophysics, metallurgy, engineering, economics, reclamation, operations, and other subjects pertinent to the mining and mineral exploration industry. This poster session is designed to help bridge science and industry, inspire collaborative efforts in mineral exploration, and showcase research applied to mineral deposits. The core shack and exhibit hall are available for companies interested in promotional-type displays.

## SPECIFICATIONS

**Booth Dimensions:** Each presenter will be provided a 4' x 8' poster board display unit and a chair.

**Display Materials:** The display materials for hanging on the panels should be posters, maps, or diagrams of good quality.

**Signage:** AEMA will prepare one "identifying" sign with name, affiliation, and presentation title.

**Set Up:** Display set up will take place between 8:00 am and 5:00 pm on Tuesday, December 4. Participants are expected to be next to their display for a formal Q & A session between 2:00 pm and 4:00 pm on Wednesday, December 5. Participants are welcome to leave their display up until 11:00 am on Dec. 7.

## COST

There is no poster exhibition fee for AEMA members who purchase an exhibit hall pass. If you want to attend the technical sessions, a technical session badge must be purchased. This entry form does not constitute a registration. Please complete the meeting registration form in this brochure or online at [www.miningamerica.org](http://www.miningamerica.org).

## HOW TO ENTER

Interested parties should complete and return the registration form below to AEMA on or before November 18. If you have any questions please contact Pat Heywood, [pheywood@miningamerica.org](mailto:pheywood@miningamerica.org).

## 2018 POSTER EXHIBITION ENTRY FORM

Return the completed form to AEMA, 10 N. Post St., Ste. 305, Spokane, WA 99201-0705

Email to: [pheywood@miningamerica.org](mailto:pheywood@miningamerica.org); or Fax to: (509) 623-1241

Name \_\_\_\_\_

Affiliation \_\_\_\_\_

Preliminary Title of Presentation (may be changed prior to Oct. 19) \_\_\_\_\_

Email \_\_\_\_\_ Cell Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Country \_\_\_\_\_

# Registration Information

## **EVERYONE MUST REGISTER...**

This includes chairs, speakers & exhibitors. To receive the advanced discounted registration fee your completed registration form must be received by AEMA on or before midnight PST Sunday November 18, 2018.

**\*\*\* NEW** -- Complimentary Exhibit Hall Spouse Passes are by request. Contact Mike Heywood - email: mheywood@miningamerica.org, 509.624-1158 x 110.

## **CANCELLATIONS/SUBSTITUTIONS...**

Your registration fee minus a 20% cancellation charge will be refunded if your written notification is received by AEMA on or before November 18, 2018. After that date, refunds will not be issued. You may send a substitute from your organization.

## **PACKET PICKUP & ON SITE REGISTRATION**

AEMA on site registration and badge pickup will be located on the 2nd floor of the Spokane Convention Center. AEMA registration desk hours:

Sunday December 2

Short course registration on Sunday morning will be at the DoubleTree by Hilton Hotel - in the lobby  
3:00 pm - 5:00 pm

Monday December 4

7:00 am - 5:00 pm

Tuesday December 5

7:00 am - 5:00 pm

Wednesday December 6

7:00 am - 5:30 pm

Thursday December 7

7:00 am - 5:30 pm

Friday December 8

7:00 am - 11:00 am

## **HELPFUL HINTS**

### **Discounted registration due date -**

In order to take advantage of the discounted rates or comped rates, your completed registration form (this includes exhibitors, chairs and speakers) must be received by AEMA prior to midnight Sunday November 18, 2018. After that date you will have to register on site and will pay the on site fees. Exhibitors, speakers & session chairs who would normally have comp registrations will be charged a \$50 late fee.

### **Complete the correct form -**

There is a separate form for Exhibitors. This includes exhibitors who are also chairs and/or speakers.

### **One registration per form -**

You may pay for several registrations with the same form of payment; however, a separate registration form must be completed for each individual. AEMA will not complete registration forms for you. The forms will be returned for completion.

## **ATTENTION STUDENTS, CHAIRS, SPEAKERS & EXHIBITORS**

**STUDENTS:** Technical session registration fees are waived for all full time college students who are AEMA members (or join when registering). Annual membership fees for students - \$25.00. AEMA also has travel and lodging assistance available to qualified students. Contact Pat Heywood - pheywood@miningamerica.org for more information.

**SHORT COURSE INSTRUCTORS & SPEAKERS:** We will comp short course registration if you are an AEMA individual member, one of the two corporate representatives or employee of a corporate member. The exception to this is employees of the federal government and state regulatory agencies & geological surveys. This exception DOES NOT apply to college or university professors or other employees of colleges and universities who are not associated with the state geological survey/bureau of mines. Should they choose not to become a member they will pay 50% of the course fee.

**IMPORTANT** -- Speakers -- Please indicate which short course you are speaking in on the line provided on the registration form.

**TECHNICAL SESSION CHAIRS & SPEAKERS:** We will comp technical session registration for session chairs and 1 speaker per talk (maximum of 6 comped speakers per session) provided you are either individual members of AEMA, one of the two corporate representatives of a member company, or employed by a member company. The exception to this is employees of the federal government and state regulatory agencies & geological surveys. This exception DOES NOT apply to college or university professors or other employees of colleges and universities who are not associated with the state geological survey/bureau of mines. Non-member session chairs and speakers will be required to register at the member rate of \$350. **IMPORTANT** -- Speakers --- Please indicate which session you are speaking in on the line provided on the registration form - do not enter the Interest Area or your talk title.

**EXHIBITORS:** Registration is in addition to reserving your booth space. **Please coordinate.** You are allowed 2 complimentary technical session badges and 2 complimentary exhibit hall only badges per booth space. **VIP Guest Passes are for customer/client use only.** They may not be used for company employees. Additional company employees should complete a registration form and pay the Exhibit Hall Pass Fee of \$75.00. If you exceed this allotment, you will be billed. Exhibitors who receive a complimentary technical session badge as a short course chair, technical session chair or technical session speaker will not count against these allotments. You must be registered prior to November 18, 2018.

**\*\*\* ANYONE NOT REGISTERED PRIOR TO MIDNIGHT NOVEMBER 18, 2018 PST WILL BE CHARGED**

**AN ADDITIONAL \$50 LATE FEE WHEN REGISTERING ON SITE - NO EXCEPTIONS \*\*\*\*\***



# Hotel Registration Information

**The DoubleTree by Hilton Spokane City Center** is AEMA's headquarters hotel. We also have agreements with the other hotels listed below for special rate rooms. These hotels have agreed to help sponsor our Wednesday evening Welcoming Reception. We urge you to choose one of them for your stay. Reservations must be made directly through the hotel. There will be links to each hotel on our website for ease of booking.

The deadline for making hotel reservations at the conference rate is Tuesday, November 20, 2018 unless otherwise indicated.

**The DoubleTree by Hilton Spokane City Center** is proud to be the host hotel for the American Exploration & Mining Association from December 2 – December 7, 2018! It is the closest hotel to the Convention Center. They offer registered AEMA guests complimentary overnight self-parking. Hourly rates apply for day use. <http://doubletree3.hilton.com/en/hotels/washington/doubletree-by-hilton-hotel-spokane-city-center-SPCC-DT/index.html>

Room Reservations: Link on AEMA website or call (800) 757-6131 - Use Code AEM to get this rate

Traditional guest room - \$109.00

Riverview guest room - \$119.00

Premium guest room - \$129.00

Per Diem guest room - \$99.00

Hospitality suite contact: *Jody Aldred, Director of Catering & Event Services*

*Phone: (509) 744-2322*

*Email: jody.aldred@hilton.com*

**The Grand** is the newest member of the Davenport Autograph Collection. It is across the street from the Convention Center, connected by a walkway skybridge into the west end of the center by the Opera House. <http://www.davenporthotelcollection.com/our-hotels/the-davenport-grand/>

Room Reservations: Link on AEMA website or call (800) 228-9290 - Use Code American Exploration & Mining Group

The cut off date for The Grand reservations is Friday, November 2, 2018

Deluxe guest room - \$129.00

Deluxe King King room - \$129.00

Hospitality suite contact: *Pat Heywood (AEMA)*

*Phone: (509) 624-1158 x 112 Email: pheywood@miningamerica.org*

**Best Western Plus City Center** is located across the street from the exhibit hall - [https://www.bestwestern.com/en\\_US/book/hotel-rooms.48179.html?iata=00171880&ssob=BLBWI0004G&cid=BLBWI0004G;google:gmb:48179](https://www.bestwestern.com/en_US/book/hotel-rooms.48179.html?iata=00171880&ssob=BLBWI0004G&cid=BLBWI0004G;google:gmb:48179)

Room Reservations: Link on AEMA website or call (509) 623-9727

Guest rooms - \$110.00

Hospitality suite contact: *Meredith Rainville, General Manager Phone (509) 623-9727*

**Courtyard by Marriott Spokane Downtown at the Convention Center** - <https://www.marriott.com/hotels/travel/gegch-courtyard-spokane-downtown-at-the-convention-center/?scid=bb1a189a-fec3-4d19-a255-54ba596febe2>

Room reservations - Link on AEMA website or call (800) 321-2211 - Ask for the American Exploration & Mining Association room block at the Courtyard Spokane. The cutoff date for this rate is November 9, 2018.

Guest rooms - \$109.00

**The Centennial Hotel Spokane** (formerly *Hotel RL Spokane at the Park*) is located across the footbridge from the Convention Center (shuttle bus will be provided), on the opposite side of the river. Complimentary parking, airport shuttle and fitness center - <https://www.centennialhotel-spokane.com> The cutoff date for this rate is Saturday November 3, 2018.

Room Reservations - Link on AEMA website or call (844) 733-3305 Group code NWM1202

Guest rooms - \$102.00 single/double occupancy - \$10.95 per day for extra person

Hospitality suite contact: *Melissa Fisher, Convention Services Manager*

*Phone (509) 775-6640 Email: melissa.fisher@centennialhotelspokane.com*

**Red Lion River Inn** is located within a 7 minute walk from the Convention Center (shuttle bus will be provided). They offer complimentary parking, Wi-Fi and complimentary breakfast for up to 4 guests per room - <https://www.redlion.com/river-inn-spokane>

Room Reservations - Link on AEMA website or call (509) 326-5577 - Use code AMER1130

The cut off date for this rate is Friday November 9, 2018.

Guest rooms - \$89.00

**Holiday Inn Express Downtown Spokane** is located across the river from the Convention Center (shuttle bus will be provided). They offer full hot breakfast buffet, complimentary parking, warm cookies/milk in the evening - [https://www.ihg.com/holidayinnexpress/hotels/us/en/spokane/skaex/hoteldetail?cm\\_mmc=GoogleMaps--EX--US--SKAEX](https://www.ihg.com/holidayinnexpress/hotels/us/en/spokane/skaex/hoteldetail?cm_mmc=GoogleMaps--EX--US--SKAEX) The cut off date for this rate is Sunday November 4, 2018.

Room Reservations: (509) 328-8505 - Use code American Exploration/Mining Association

Guest rooms - \$109

# 2018 Advanced Discount Registration Form

Return to AEMA by Fax: (509) 623-1241, or mail to AEMA, 10 N. Post St., Ste 305, Spokane, WA 99201-0705, USA.

To qualify for Advance Registration Pricing, your completed form must be received by AEMA no later than Sunday November 18, 2018

Name: \_\_\_\_\_ Preferred first name for badge: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
 Country: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_ Twitter: \_\_\_\_\_

**ANNUAL MEMBERSHIP DUES** - you must join, renew or have a current membership to get discount rates

	<u>New</u>	<u>Renew</u>		
Individual Active	<input type="checkbox"/>	<input type="checkbox"/>	\$ 120	
Retired Senior (65 and over & not working)	<input type="checkbox"/>	<input type="checkbox"/>	\$ 60	
Full-time University Student (ID required)	<input type="checkbox"/>	<input type="checkbox"/>	\$ 25	
<input type="checkbox"/> My membership is current				<b>Membership Fee</b> _____

**SHORT COURSE/FIELD TRIP REGISTRATION** -(student discounts available on some courses - contact AEMA)

**Three day courses**

<input type="checkbox"/> Using SRCE Version 2.0 - New & Updated	\$ 650	
<input type="checkbox"/> Mining Geology & Grade Control Workshop	\$ 650	

**Two day courses**

<input type="checkbox"/> Mission Critical Training for Mine Permitting on Federal Lands	\$ 350	
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**One day courses**

<input type="checkbox"/> Understanding & Running QA/QC Program (1 day Mon)	\$ 300	
<input type="checkbox"/> U.S. Mining Law (1 day Tue)	\$ 300	
<input type="checkbox"/> Fundamentals of Mineral & Metallurgical Processing (1 day Tues)	\$ 300	
<input type="checkbox"/> Water Stewardship: Holistic Approach (1 day Tues)	\$ 300	
<input type="checkbox"/> Business Intelligence for Expl & Mining Co w/ Microsoft Ofc 365 (1 day Tues)	\$ 300	

**Field Trip**

<input type="checkbox"/> Tour of the World-Famous Silver Valley (1 day Tue)	\$ 250	
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I am a **Short Course Chair/Speaker** (check course box above) non-mbr speakers pay 1/2 course fee

**Short Course Fee** \_\_\_\_\_

**FULL REGISTRATION** (includes technical sessions, exhibit hall & social functions)

	<u>Member or US Gov't</u>	<u>Non-Member</u>	
<input type="checkbox"/> Full Registration	\$ 375	\$ 625	
<input type="checkbox"/> Retired Senior (65 and over & not working)	\$ 325	\$ 575	
<input type="checkbox"/> I am a Technical Session Chair* or Short Course Chair	No Fee	No Fee	
<input type="checkbox"/> I am a Technical Session Speaker *	No Fee	\$ 375	
*enter session name: _____			
<input type="checkbox"/> Full Time University Student (ID required)	No Fee	\$ 100	
<input type="checkbox"/> Press Pass (1 per media group)	No Fee	No Fee	
			<b>Tech Session Reg Fee</b> _____

**EXHIBIT HALL ONLY REGISTRATION** (includes exhibit hall & social functions)

<input type="checkbox"/> Exhibit Hall Pass	\$ 75	\$ 150	<b>Exhibit Hall Only Reg</b> _____
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**MEAL AND DRINK TICKETS**

Special food requirements \_\_\_\_\_

<b>Wednesday</b>	<u>Quantity</u>	<u>\$</u>	
Wednesday Keynote Speakear Luncheon	_____	@ \$50 ea = _____	
Exhibit Hall Sandwich Lunch (walk around lunch)	_____	@ \$15 ea = _____	
<b>Thursday</b>			
Thursday Keynote Speaker Luncheon	_____	@ \$50 ea = _____	
Exhibit Hall Sandwich Lunch (walk around lunch)	_____	@ \$15 ea = _____	
<b>Drink Tickets</b>		@ \$ 6 ea = _____	<b>Meal &amp; Drink Tickets</b> _____

**TOTAL AMOUNT DUE AND FORM OF PAYMENT** **Total Amount Due** \$ \_\_\_\_\_

Check  Visa  MasterCard  American Express  Discover  PO (Government Agency)

Card Number \_\_\_\_\_ Expir Date \_\_\_\_\_

Name as it appears on the Card (please print) \_\_\_\_\_

CC billing address (# and street name only) & Zip \_\_\_\_\_

# 2018 Exhibitor Advanced Discount Registration Form

Return to AEMA by Fax: (509) 623-1241, or mail to AEMA, 10 N. Post St., Ste 305, Spokane, WA 99201-0705, USA.

To qualify for Advance Registration Pricing, your completed form must be received by AEMA no later than Sunday November 18, 2018

Exhibiting Company \_\_\_\_\_ Booth # \_\_\_\_\_

Name as you want it to appear on your badge - please print clearly \_\_\_\_\_

Title \_\_\_\_\_

Company if different from above \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Country: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_ Twitter: \_\_\_\_\_

**ANNUAL MEMBERSHIP DUES** - you must join, renew or have a current membership to get discount rates

	<u>New</u>	<u>Renew</u>		
Individual Active	<input type="checkbox"/>	<input type="checkbox"/>	\$ 120	
Retired Senior (65 and over & not working)	<input type="checkbox"/>	<input type="checkbox"/>	\$ 60	
Full-time University Student (ID required)	<input type="checkbox"/>	<input type="checkbox"/>	\$ 25	<b>Membership Fee</b> _____
<input type="checkbox"/> My membership is current				

**SHORT COURSE/FIELD TRIP REGISTRATION** -(student discounts available on some courses - contact AEMA)

<b>Three day courses</b>				
<input type="checkbox"/> Using SRCE Version 2.0 - New & Updated			\$ 650	
<input type="checkbox"/> Mining Geology & Grade Control Workshop			\$ 650	
<b>Two day courses</b>				
<input type="checkbox"/> Mission Critical Training for Mine Permitting on Federal Lands			\$ 350	
<b>One day courses</b>				
<input type="checkbox"/> Understanding & Running QA/QC Program (1 day Mon)			\$ 300	
<input type="checkbox"/> U.S. Mining Law (1 day Tue)			\$ 300	
<input type="checkbox"/> Fundamentals of Mineral & Metallurgical Processing (1 day Tues)			\$ 300	
<input type="checkbox"/> Water Stewardship: Holistic Approach (1 day Tues)			\$ 300	
<input type="checkbox"/> Business Intelligence for Expl & Mining Co w/ Microsoft Ofc 365 (1 day Tues)			\$ 300	
<b>Field Trip</b>				
<input type="checkbox"/> Tour of the World-Famous Silver Valley (1 day Tue)			\$ 250	
<input type="checkbox"/> I am a <b>Short Course Chair/Speaker</b> (check course box above) non-mbr speakers pay 1/2 course fee				<b>Short Course Fee</b> _____

**EXHIBITOR FULL REGISTRATION**

2 free per booth space -please coordinate	<u>Member or US Gov't</u>	<u>Non-Member</u>	
<input type="checkbox"/> Full Registration (using 1 of 2 free passes)	No Fee	No Fee	
<input type="checkbox"/> Additional Paid Registration	\$ 375	\$ 625	
<input type="checkbox"/> I am a Technical Session Chair* or Short Course Chair	No Fee	No Fee	
<input type="checkbox"/> I am a Technical Session Speaker *	No Fee	No Fee	
<b>*enter session name:</b>			
<input type="checkbox"/> Full Time University Student (ID required)	No Fee	\$ 100	<b>Tech Session Reg Fee</b> _____

**EXHIBIT HALL ONLY REGISTRATION** (2 free per booth space)

<input type="checkbox"/> Exhibit Hall Pass - (using one of the two free passes)	No Fee	No Fee	
<input type="checkbox"/> Additional Paid Exhibit Hall Pass	\$ 75	\$ 150	<b>Expo Only Reg Fee</b> _____

**MEAL AND DRINK TICKETS**

Special food requirements \_\_\_\_\_

**Wednesday**

	<u>Quantity</u>	<u>\$</u>
Wednesday Keynote Speaker Luncheon	_____	@ \$50 ea = _____
Exhibit Hall Sandwich Lunch (walk around lunch)	_____	@ \$15 ea = _____

**Thursday**

Thursday Keynote Speaker Luncheon	_____	@ \$50 ea = _____
Exhibit Hall Sandwich Lunch (walk around lunch)	_____	@ \$15 ea = _____

**Drink Tickets**

\_\_\_\_\_ @ \$ 6 ea = \_\_\_\_\_ **Meal & Drink Tickets** \_\_\_\_\_

**TOTAL AMOUNT DUE AND FORM OF PAYMENT**

**Total Amount Due** \$ \_\_\_\_\_

Check  Visa  MasterCard  American Express  Discover  PO (Government Agency)

Card Number \_\_\_\_\_ Expir Date \_\_\_\_\_

Name as it appears on the Card (please print) \_\_\_\_\_

CC billing address (# and street name only) & Zip \_\_\_\_\_

# Exhibitors by Company

## A

**3D-P**, *Wireless Communication*, 527  
**AATA International, Inc.**, *Environmental Consultants*, 508  
**ACF West, Inc.**, *Liners*, 414  
**Acker Drill Company**, *Drilling Equipment, Drilling Rigs*, 730  
**Activation Laboratories, Ltd.**, *Analytical Services*, 235  
**ACZ Laboratories, Inc.**, *Analytical Laboratory Services*, 621  
**Agilent Technologies**, *Atomic Spectroscopy, Laboratory Equipment*, 826  
**Agru America, Inc.**, *Geosynthetics, Liners*, 541  
**AIL Mining**, *Mine Construction*, 413  
**Alaska Marine Lines, Inc.**, *Transportation Services*, 620  
**ALS Minerals**, *Assay Laboratory, Laboratory Analytical Services*, 924  
**American Assay Laboratory**, *Assay Laboratory, Mineralogy Analyzer*, 824  
**American Drilling Corp., LLC**, *Diamond Core Drilling*, 219 and 221  
**American Mine Services LLC**, *Mine Construction, Mine Development*, 546  
**American Mining & Tunneling, LLC**, *Mine Development, Contract Mining*, 215 and 217  
**Anachemia Mining**, *Laboratory Equipment & Supplies, Laboratory Chemicals*, 703  
**Analytik Jena US LLC**, *Spectroscopy*, 745  
**Anvil International**, *Grooved Piping Products*, 731  
**ARCADIS**, *Environmental Consultants, Engineering Services*, 410  
**Atkinson Construction, LLC**, *Underground Construction*, 444

## B

**Baroid Industrial Drilling Products**, *Drilling Fluid Products*, 547  
**Barr Engineering Co.**, *Engineers*, 512  
**Bison Engineering Inc.**, *Environmental Consulting, Environmental Permitting*, 316  
**Boart Longyear**, *Drilling Services, Drilling Company*, 725 and 727  
**Brewer Exploration**, *Geologic Consultants*, 417  
**Brixton Metals Corporation**, *Junior Exploration Company*, 1033  
**Broadbent & Associates, Inc.**, *Environmental Consulting, Water Resources*, 441  
**BV Minerals**, *Assay Laboratory*, 851

## C

**Cascade Drilling, L.P.**, *Drilling Company*, 609  
**Cascade Earth Sciences**, *Engineering & Environmental Consulting*, 424  
**Cd'A Metals (The Coeur d'Alenes Company)**, *Metals Products & Processing, Wear Plate*, 644  
**CEC**, *Rock Crushers*, 843  
**Cementation USA Inc.**, *Mine Construction*, 314  
**Century Wireline Services**, *Downhole Geophysical Logging*, 611  
**CGS Mule, LLC**, *Geological Supplies*, 832  
**Challenger Pipe & Steel**, *Steel Pipe & Casing, Grooved Piping Products*, 628  
**Coeur Products Ltd Inc.**, *Core Boxes, Core Drills*, 425 and 427  
**COLOG**, *Borehole Geophysical, Hydrophysical Logging*, 739  
**Colorado School of Mines**, *Educational/University, Metallurgy/Mining Departments*, 516  
**Cornell Pump Company**, *Mining Pumps-Centrifugal, Redi-Prime*, 615  
**Creation Material Handling, LLC**, *Material Handling*, 849  
**CREG (Center for Research Economic Geology)**, *Education*, 104  
**Crone Geophysics & Exploration Ltd.**, *Geophysical Services*, 116  
**Cummins Sales and Service**, *Diesel Engines, Diesel Parts & Service*, 419

## D

**Dassault Systemes GEOVIA**, *Mining Software, Mine Modeling Software*, 733  
**Datamine North America, Inc.**, *Mining Software*, 442  
**DEA Incorporated**, *Electrical Distribution Equipment*, 446  
**DelHur Industries, Inc.**, *Heavy Civil Construction Services*, 829  
**Devico USA AS**, *Directional Core Drilling, Downhole Survey Tools*, 426

## D... (continued)

**DMC Mining Services**, *Contract Mining, Engineering*, 749  
**Doppelmayr Transport Technology GmbH**, *Material Transport Systems*, 841  
**Drift Exploration Drilling, Inc.**, *Drilling Company*, 540  
**Drilling HQ**, *Diamond Core Supplies*, 242 and 244  
**Duraroot Environmental Consulting**, *Environmental Consulting*, 346  
**Dyno Nobel Inc.**, *Explosives*, 647 and 649

## E

**EC Applications, Inc.**, *Geosynthetics*, 545  
**EDCON-PRJ, Inc.**, *Geophysical Services*, 729  
**Electromind SA**, *Geophysical Logging Equipment*, 740  
**Elko Convention and Visitors Authority**, *Convention Center/Elko Mining Expo*, 629  
**EM Strategies, Inc.**, *Environmental Consulting & Permitting*, 720  
**Energy Laboratories, Inc.**, *Environmental Laboratory Services*, 630  
**Engineering Analytics, Inc.**, *Engineering Consultants*, 518  
**Engineering & Mining Journal**, *Mining Publication* 929  
**Envirocon, Inc.**, *Environmental and Reclamation Services*, 524  
**Environmental Products & Applications, Inc.**, *Dust Control-Roads and Erosion*, 827  
**Environmental Standards, Inc.**, *Data Validation*, 238  
**Epiroc**, *Mining Equipment, Rock Support*, 530  
**Evoqua Water Technologies**, *Water Treatment*, 328  
**Exploration Services Inc.**, *Engineering & Geology Support Services*, 930 and 932

## F

**Falcon Drilling Inc.**, *Drilling Company*, 1124  
**Field Lining Systems, Inc.**, *Liners*, 510  
**First Drilling Group**, *Drilling Company*, 431 and 433  
**Florin Analytical Services**, *Analytical Laboratory Services, Laboratory Services*, 631  
**FORDIA/Matex**, *Drilling Products*, 700  
**FOREMOST**, *Drilling Rigs*, 344  
**Foth Infrastructure & Environment, LLC**, *Environmental Engineering*, 115  
**Frontier-Kemper Constructors, LLC**, *Hoisting System, Conveyance & Vertical Belts*, 702

## G

**General Tool, Inc.**, *Diamond Bits, Diamond Saw Blades*, 831  
**Geobruigg North America LLC**, *Rockfall Protection, Surface Mining, Underground Support*, 105  
**GeoEngineers, Inc.**, *Environmental & Technology, Geotechnical Engineering*, 613  
**Geo-Logic Associates**, *Engineering Consultants*, 112  
**Geological Society of Nevada (GSN)**, *Books & Publications*, 101  
**Geopros, Inc.**, *Direct Staffing Services for Industry*, 724  
**GeoResource Management**, *Geological and Geophysical Consulting*, 604  
**GeoShack**, *Aerial Data Acquisition*, 345  
**Geotemps, Inc.**, *Staffing Services/Mining Industry-Temporary*, 726  
**GK Machine, Inc.**, *Mining Equipment*, 117  
**Golder Associates Inc.**, *Mine Engineering, Environmental Consultants*, 711

## H

**H2E, Inc.**, *Electrical Engineering Services*, 640  
**Harrison Western Construction Corporation**, *Contract Mining*, 324  
**Hart Crowser Inc.**, *Engineers*, 226  
**Hecla Mining Company**, *Silver Mining Company*, 519  
**Hidden Valley Insurance Inc.**, *Insurance Services, Insurance & Risk Management*, 709  
**HIIG Energy**, *Insurance Services*, 710  
**Hoffman Diamond Products, Inc.**, *Diamond Bits*, 728  
**Hole Products**, *Drilling Supplies*, 236

# Exhibitors by Company... (continued)

## H... (continued)

hydroGEOPHYSICS, Inc., *Geophysical Services*, 632  
HyperSciences, *Hypersonic Drilling Equipment*, 844 and 846

## I

ICMJ's *Prospecting & Mining Journal*, *Mining Publications*, 429  
Idaho Mining Association, *Mining Association*, 108  
IDEA Drilling LLC, *Drilling Company*, 617  
IMDEX Limited, *Drilling Fluids & Solids Control, Down Hole Survey/XRF Rentals*, 748 and 750  
Infinity Tool Mfg., *Drilling Bits, Drilling Accessories*, 742, 744  
InfoMine USA, Inc., *Mine Information, Cost Estimating Services*, 625  
Intermountain Electronics, Inc., *Electrical Control and Distribution Systems*, 218  
International Directional Services (IDS), *Gyro Surveying & Instrument Rentals, Directional Drilling Services & Motor Sales*, 437 and 439  
International Lining Technology, *Liner Installation, Geosynthetics*, 635  
IronWoman Construction & Environmental Services, LLC, *Mine Construction*, 336  
Itasca Denver, Inc., *Hydrology, Geomechanics & Geochemistry Consulting, Environmental Consulting & Permitting*, 614

## J

Jentech Drilling Supply, Inc., *Drilling Supplies*, 118  
Just Refiners USA, Inc., *Refining Services*, 337

## K

Kappes, Cassiday & Associates, *Engineering Consulting Services, Laboratory Services*, 631  
Klepfner Mining Services, LLC, *Environmental Services*, 706  
Knight Piésold, *Consulting Engineers, Environmental Consulting & Permitting*, 645  
KP Ventures Well Drilling & Pump Co. LLC, *Well Drilling*, 228

## L

Layfield Group, *Geosynthetics*, 839  
Layne, *Drilling Company*, 109  
Linkan Engineering, *Water Management*, 513  
Lumos & Associates, Inc., *Engineering and Environmental Consultants*, 543

## M

Mackay School of Earth Sciences & Engineering, *Educational / University*, 102  
Major Drilling, *Drilling Company*, 445 and 447  
Master Drilling USA, *Drilling Company*, 326  
Mavrik Environmental & Exploration Products, *Drilling Products, Machining Services*, 514  
McClelland Laboratories, Inc., *Analytical Laboratory*, 548  
McGinley & Associates, *Environmental Consultants*, 111  
MES Mining, *Underground Mining Contractor, Tunneling*, 107  
M-I Swaco, *Drilling Fluid & Solids Control Company*, 737  
MICROMINE, *Data Solutions*, 848  
Midas Gold Inc., *Junior Exploration Company*, 1225  
Mill Man Steel Inc., *Sales & Supply of Steel Pipe & Accessories*, 721  
Mincon, Inc., *DTH Hammers and Bits, Reverse Circulation Hammers & Bits*, 443  
Mobile Air, *Industrial Heaters*, 320  
Motor Coach Industries, *Motor Coach Manufacturer*, 511  
Mount Sopris Instrument Company Inc., *Geophysical Logging Equipment*, 318  
MTech/CAMP, *University, Metallurgical Consulting*, 542

## N

National EWP, *Drilling Company, Exploration Company*, 716 and 718  
Natural Creations, *Gems and Semi-Precious Stones*, 646 and 648  
NewFields, *Consulting Engineering, Environmental Consultants*, 114

## N... (continued)

NIOSH-OMSHR, *Mine Safety*, 717  
Northwest Linings and Geotextile Products, Inc./Sierra Geosynthetic Services, Inc., *Liner Installation, Geosynthetics*, 421  
Northwest Machine Works, Inc., *Drilling Products, Underground Core Drilling Parts*, 520

## O

O'Keefe Drilling, *Drilling Company*, 705 and 707  
Oldcastle Premix, *Concrete Solutions*, 110  
Olympus America, Inc., *Analytical Instruments*, 1032

## P

Pace Analytical Services Inc., *Laboratory Services, Environmental Laboratory Services*, 529  
Pacific Inter-Mountain Distribution, LLC, *Environmental Services*, 741  
Parsons Behle & Latimer, *Legal Services*, 825  
PayneWest Insurance, *Insurance Services, Bonding*, 626  
Peak Mechanical LLC, *Pumps*, 440  
Pershing Gold Corporation, *Emerging Gold Producer*, 828  
Pioneer Technical Services, Inc., *Engineering and Environmental Consultants*, 704  
Piteau and Associates, *Engineering and Environmental Consultants*, 838  
Placer Gold Design, *Mining Related Fine Jewelry, Awards, Gift Items, Jewelry*, 636  
Precision Geosurveys Inc., *Airborne Geophysics*, 319  
ProDeMin, *Exploration Services-Mexico*, 1132  
PROMINE, *Mining Software*, 638

## R

Re-Gen Enterprises, LLC, *Liner Removal*, 847  
REI Drilling/DPI Drilling Products, *Drilling Services, Drilling Supplies*, 708  
RJB Wholesale, *Steel Pipe*, 840  
Robertson GEO, *Geophysical Logging Equipment*, 338  
Rockmore International, *Drilling Equipment (Bits & Steel), DTH Hammers & Bits*, 220  
RockTech USA, *Drilling Products, Drill Hole Survey*, 641 and 643  
Ruen Drilling, Inc., *Drilling Company*, 836

## S

Sample Archive System, *Core Boxes*, 1125  
Schramm Inc., *Drilling Rigs and Compressors*, 619  
SGS, *Analytical Laboratory Services, Metallurgical Consulting*, 517  
Skyline Assayers & Laboratories, *Assay Laboratory, Laboratory Analytical Services*, 837  
Skytem Canada Inc., *Airborne Geophysical Services*, 933  
SiteSee, *Remote Sensing Analytics*, 415  
Society for Mining, Metallurgy & Exploration, Inc. (SME)/MEC, *Professional Association*, 515  
Solmax, *Geosynthetics, Liners*, 327  
Sparrow Company, *Recruitment/Executive Search, Human Resources*, 240  
SpectIR, LLC, *Hyperspectral Imaging*, 237  
SRK Consulting (US), Inc., *Consulting Engineers*, 624  
Stantec Consulting Services, *Environmental Consultants*, 736 and 738  
State of Nevada-Division of Minerals, *Information of Geology & Mining in Nevada*, 103  
STC Environmental, *Fabric Buildings*, 1025  
Sunset Apparel, *Safety Apparel*, 333  
Sunset Manufacturing, *Core Sample Bags*, 331  
Superior Industries, *Material Handling*, 608  
SVL Analytical, Inc., *Analytical Services*, 743  
SWCA, *Environmental Consulting*, 612

## T

Terramac, *Drilling Equipment, Drilling Rigs & Compressors*, 416  
TerraSource Software, *Mining Software*, 106

# Exhibitors by Company... (continued)

## T... (continued)

**TestAmerica Laboratories, Inc.**, Analytical Laboratory Services, 412  
**Tetra Tech**, Engineering Consultants, Environmental Consultants, 607  
**The Mining Record**, Mining Publications, Maps, 713 & 715  
**The Northern Miner**, Mining Publications, 627  
**Timberline Drilling**, Drilling Company, 633  
**TonaTec Exploration LLC**, Drilling Company, 418  
**Tsurumi (America), Inc.**, Pumps, 925

## U

**U. S. Bureau of Land Management**, Government, 339 and 341  
**U.S. Department of Homeland Security**, Government, 342  
**U. S. Forest Service**, Government, 230 and 232  
**U. S. Geological Survey**, Government, 525  
**United Central Industrial Supply**, Cap Lamps, Gas Detection, Mine Rescue, Ventilation Products, Services, 531  
**University of Utah**, University, 317  
**Utah Mining Association**, Mining Association, 833

## V

**Veolia Water Solutions & Technologies**, Water Treatment, 616  
**Victaulic**, Grooved Piping Products, 430

## W

**WaterSolve, LLC**, Dewatering, 330  
**WEG Electric Corp.**, Electrical Control and Distribution Systems, 927  
**Western Cultural Resource Management, Inc.**, Cultural Resource Management Consulting/Planning, 610  
**Western Environmental Testing Laboratory**, Environmental Laboratory Services, 926  
**Wilderness Medics, Inc.**, Medical Services, 231 and 233  
**Women's Mining Coalition**, Education/Governmental Affairs, Public Affairs/Grassroots, 321  
**Wood Environment & Infrastructure Solutions, Inc.**, Engineering and Environmental Consultants, Consulting Engineers, 732  
**Woodhawk Manufacturing**, Chuck & Rod Holder Jaws, 332  
**WSP USA**, Water Consulting, 526

## Y

**Yellow Jacket Drilling Services**, Drilling Company, 830  
**Yukon Geological Survey**, Provincial Geologic Information, 1233

## Z

**Zonge International, Inc.**, Geophysical Services, Geophysical Instrumentation, 528

## CORE SHACK

**Adamera Minerals Corp.**, Junior Exploration Company, C 17  
**Arizona Silver**, Junior Exploration Company, C 10  
**Black Jack Resources**, Mining Claim, C 19  
**Brixton Metals Corporation**, Junior Exploration Company, C 20  
**Comstock Mining, Inc.**, Mining Company, C 4  
**Constantine Minerals**, Junior Exploration Company, C 15  
**eCobalt Solutions, Inc.**, Near-term Cobalt Producer, C 11  
**Ely Gold Royalties**, Royalty, C 8  
**Frazer Creek Exploration Co./Volcanic Gold and Silver LLC.**, Junior Exploration Company, C 15  
**Gold Resource Corporation**, Junior Exploration Company, C 6  
**Gold Standard Ventures**, Junior Exploration Company, C 1  
**Granatus Septem, LLC**, Industrial Minerals, C 5  
**Idaho Cumo**, Copper/Moly Exploration, C 3  
**Midas Gold Inc.**, Junior Exploration Company, C 7  
**Nevada Exploration, Inc.**, Junior Exploration Company, C 16  
**New Jersey Mining Company**, Mining Company, C 12  
**NuLegacy Gold Corp.**, Junior Exploration Company, C 9  
**Renaissance Exploration, Inc.**, Junior Exploration Company, C 2  
**Stephen Smith, Inc./Larry R. Moyer, LLC**, Junior Exploration Company, C 21

## EXHIBIT HALL HOURS & ACTIVITIES

### TUESDAY DECEMBER 4

- Exhibitor Set up 8:00 am- 5:00 pm

### WEDNESDAY DECEMBER 5 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:35 - 4:20
- Welcoming Reception ~ 5:30 pm - 6:30 pm

### THURSDAY DECEMBER 6 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:35 - 4:20
- Happy Hour Reception ~ 5:30 pm - 6:30 pm

### FRIDAY DECEMBER 7 ~ 9:00 am - NOON

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- **TEAR DOWN - 11:00 AM ~ 5:00 PM**



**American  
Exploration & Mining**  
ASSOCIATION

# Exhibitors by Product or Service

A

## **Aerial Data Acquisition**

GeoShack, 345

## **Airborne Geophysical Services**

Precision Geosurveys, 319  
Skytem Canada Inc., 933

## **Analytical Instruments**

Olympus America Inc., 1032

## **Analytical Laboratory Services**

Activation Laboratories, Inc., 235  
ACZ Laboratories, Inc., 621  
Florin Analytical Services, 631  
McClelland Laboratories, Inc., 548  
SGS, 517  
SVL Analytical, Inc., 743  
TestAmerica Laboratories, Inc., 412

## **Assay Laboratory**

ALS Minerals, 924  
American Assay Laboratory, 824  
BV Minerals, 851  
Skyline Assayers & Laboratories, 837

## **Atomic Spectroscopy**

Agilent Technologies, 826

B

## **Bonding**

PayneWest Insurance, 626

## **Books & Publications**

Geological Society of Nevada (GSN), 101

## **Borehole Geophysical**

COLOG, 739

C

## **Cap Lamps, Gas Detection, Mine Rescue, Ventilation Products, Services**

United Central Industrial Supply, 531

## **Chuck & Rod Holder Jaws**

Woodhawk Manufacturing, 332

## **Concrete Solutions**

Oldcastle Premix, 110

## **Consulting Engineers**

SRK Consulting (US), Inc., 624  
Knight Piésold, 645  
NewFields, 114  
Wood Environment & Infrastructure Solutions, Inc., 732

## **Contract Mining**

American Mining & Tunneling, LLC, 215 and 217  
DMC Mining Services, 749  
Harrison Western Construction Corporation, 324

## **Convention Center/Elko Mining Expo**

Elko Convention and Visitors Authority, 629

## **Core Boxes**

Coeur Products Ltd Inc., 425 and 427  
Sample Archive System, 1125

C... (continued)

## **Core Drills**

Coeur Products Ltd Inc., 425 and 427

## **Core Sample Bags**

Sunset Manufacturing, 331

## **Cost Estimating Services**

InfoMine USA, Inc., 625

## **Cultural Resource Management Consulting/Planning**

Western Cultural Resource Management, Inc., 610

D

## **Data & Geochem Intelligence**

Reflex Instrument North America, 748 and 750

## **Data Solutions**

MICROMINE, 848

## **Data Validation**

Environmental Standards, Inc., 238

## **Dewatering**

WaterSolve, LLC, 330

## **Diamond Bits and Saw Blades**

General Tool, Inc., 831

## **Diamond Bits**

Hoffman Diamond Products, Inc., 728

## **Diamond Core Drilling**

American Drilling Corp., LLC, 219 and 221

## **Diamond Core Supplies**

Drilling HQ, 242 and 244

## **Diesel Engines, Parts & Service**

Cummins Sales and Service, 419

## **Direct Staffing Services for Industry**

Geopros, Inc., 724

## **Directional Drilling Services & Motor Sales**

Devico, 426  
International Directional Services (IDS), 437 and 439

## **Down Hole Survey/XRF Rentals**

IMDEX Limited, 748 and 750

## **Downhole Geophysical Logging**

Century Wireline Services, 611

## **Drill Hole Survey**

Devico, 426  
RockTech USA, 641 and 643

## **Drilling Company**

Boart Longyear, 725 and 727  
Cascade Drilling, L.P., 609  
Drift Exploration Drilling, Inc., 540  
Falcon Drilling Inc., 1124  
First Drilling Group, 431 and 433  
IDEA Drilling LLC, 617

# Exhibitors by Product or Service.. (continued)

## D... (continued)

### **Drilling Company...(continued)**

Layne, 109  
Major Drilling, 445 and 447  
Master Drilling USA, 326  
National EWP, 716 and 718  
O'Keefe Drilling, 705 and 707  
Ruen Drilling, Inc., 836  
Timberline Drilling, 633  
TonaTec Exploration LLC, 418  
Yellow Jacket Drilling Services, 830

### **Drilling Equipment**

Acker Drill Company, 730  
Terramac, 416

### **Drilling Equipment (Bits & Steel)**

Rockmore International, 220

### **Drilling Fluid & Solids Control Company**

Baroid Industrial Drilling Products, 547  
IMDEX Limited, 740 and 750  
M-I Swaco, 737

### **Drilling Products**

Infinity Tool Mfg., 742 and 744  
Northwest Machine Works, Inc., 520  
RockTech USA, 641 and 643

### **Drilling Rigs**

Acker Drill Company, 730  
FOREMOST, 344

### **Drilling Rigs and Compressors**

Schramm Inc., 619  
Terramac, 416

### **Drilling Services**

Boart Longyear, 725 and 727  
REI Drilling/DPI Drilling Products, 708

### **Drilling Supplies**

Hole Products, 236  
Jentech Drilling Supply, Inc., 118  
Mavrik Environmental & Exploration Products, 514  
REI Drilling/DPI Drilling Products, 708  
FORDIA/Matex, 700

### **DTH Hammers and Bits**

Mincon, Inc., 443  
Rockmore International, 220

### **Dust Control-Roads and Erosion**

Environmental Products & Applications, Inc., 827

## E

### **Education**

CREG (Center for Research Economic Geology), 104

### **Education/Governmental Affairs**

Women's Mining Coalition, 321

### **Educational/University**

Colorado School of Mines, 516  
Mackay School of Earth Sciences & Engineering, 102

## E... (continued)

### **Electrical Distribution Equipment/Systems**

DEA Incorporated, 446  
Intermountain Electronics, Inc., 218  
WEG Electrical Corp., 927

### **Electrical Engineering Services**

H2E, Inc., 640

### **Emerging Gold Producer**

Pershing Gold Corporation, 828

### **Engineering & Environmental Consulting**

Bison Engineering, Inc., 316  
Cascade Earth Sciences, 424  
DMC Mining Services, 749

### **Engineering & Geology Support Services**

Exploration Services Inc., 930 and 932

### **Engineering and Environmental Consultants**

ARCADIS, 410  
Barr Engineering Co., 512  
Engineering Analytics, Inc., 518  
Geo-Logic Associates, 112  
Hart Crowser Inc., 226  
Kappes, Cassiday & Associates, 631  
Lumos & Associates, Inc., 543  
Pioneer Technical Services, Inc., 704  
Piteau and Associates, 838  
Tetra Tech, 607  
Trihydro Corporation, 336  
Wood Environment & Infrastructure Solutions, Inc., 732

### **Environmental & Technology**

GeoEngineers, Inc., 613

### **Environmental and Reclamation Services**

Envirocon, Inc., 524  
Pacific Inter-Mountain Distribution, LLC, 741

### **Environmental Consultants**

AATA International, Inc., 508  
ARCADIS, 410  
Broadbent & Associates, Inc., 441  
Duraroot Environmental Consulting, 346  
Golder Associates Inc., 711  
McGinley & Associates, 111  
NewFields, 114  
Stantec Consulting Services, 736 and 738  
SWCA, 612  
Tetra Tech, 607

### **Environmental Consulting & Permitting**

Bison Engineering, Inc. 316  
EM Strategies, Inc., 720  
Foth Infrastructure & Environment, LLC, 115  
Itasca Denver, Inc., 614  
Klepfer Mining Services, LLC, 706  
Knight Piésold, 645

### **Environmental Laboratory Services**

Energy Laboratories, Inc., 630  
Pace Analytical Services Inc., 529  
Western Environmental Testing Laboratory, 926



# Exhibitors by Product or Service.. (continued)

## E... (continued)

### **Exploration Company**

National EWP, 716 and 718

### **Exploration Services-Mexico**

ProDeMin, 1132

### **Explosives**

Dyno Nobel Inc., 647 and 649

## F

### **Fabric Buildings**

STC Environmental, 1025

## G

### **Gems and Semi-Precious Stones**

Natural Creations, 646 and 648

### **Geological Consulting**

Brewer Exploration, 417

GeoResource Management, 604

### **Geological Supplies**

CGS Mule, LLC, 832

### **Geophysical Instrumentation**

Zonge International, Inc., 528

### **Geophysical Logging Equipment**

Electromind SA, 740

Mount Sopris Instrument Company Inc., 318

Robertson GEO, 238

### **Geophysical Services**

Crone Geophysics & Exploration Ltd., 116

EDCON-PRJ, Inc., 729

GeoResource Management, 604

hydroGEOPHYSICS, Inc., 632

Zonge International, Inc., 528

### **Geosynthetics**

Agru America, Inc., 541

EC Applications, Inc., 545

International Lining Technology, 635

Layfield Group, 839

Northwest Linings and Geotextile Products, Inc/Sierra Geosynthetic

Services, Inc., 421

Solmax, 327

### **Geotechnical Engineering**

GeoEngineers, Inc., 613

### **Government**

U. S. Bureau of Land Management, 339 and 341

U.S. Department of Homeland Security, 314

U. S. Forest Service, 230 and 232

U. S. Geological Survey, 525

### **GPS**

RDO Integrated Controls, 544

### **Grooved Piping Products**

Anvil International, 731

Challenger Pipe & Steel, 628

Victaulic, 430

## G... (continued)

### **Gyro Surveying & Instrument Rentals**

International Directional Services (IDS), 437 and 439

## H

### **Heavy Civil Construction Services**

DelHur Industries, Inc, 829

### **Hoisting System, Conveyance & Vertical Belts**

Frontier-Kemper Constructors, LLC, 702

### **Human Resources**

Sparrow Company, 240

### **Hydrology, Geomechanics & Geochemistry Consulting**

Itasca Denver, Inc., 614

### **Hydrophysical Logging**

COLOG, 739

### **Hypersonic Drilling Equipment**

HyperSciences, 844 and 846

### **Hyperspectral Imaging**

SpectTIR, LLC, 237

## I

### **Industrial Heaters**

Mobile Air, 320

### **Information of Geology & Mining in Nevada**

State of Nevada-Division of Minerals, 103

### **Insurance & Risk Management**

Hidden Valley Insurance Inc., 709

HIIG Energy, 710

PayneWest Insurance, 626

## J

### **Jewelry**

Placer Gold Design, 636

### **Junior Exploration Company**

Brixton Metals Corporation, 1033

Midas Gold Inc., 1225

## L

### **Laboratory Analytical Services**

ALS Minerals, 924

Skyline Assayers & Laboratories, 837

### **Laboratory Chemicals**

Anachemia Mining, 703

### **Laboratory Equipment & Supplies**

Agilent Technologies, 826

Anachemia Mining, 703

### **Laboratory Services**

Florin Analytical Services, 631

Kappes, Cassiday & Associates, 631

Pace Analytical Services Inc., 529

### **Legal Services**

Parsons Behle & Latimer, 825

# Exhibitors by Product or Service.. (continued)

L... (continued)

## **Liner Installation**

ACF West, Inc., 414  
Agru America, Inc., 541  
Field Lining Systems, Inc., 510  
International Lining Technology, 635  
Northwest Linings and Geotextile Products, Inc/Sierra Geosynthetic Services, Inc., 421  
Solmax, 327

## **Liner Removal**

Re-Gen Enterprises, LLC, 847

## **Machining Services**

Mavrik Environmental & Exploration Products, 514

## **Maps**

The Mining Record, 713 & 715

## **Material Handling**

Creation Material Handling, LLC, 849  
Doppelmayr Transport Technology, GmbH, 841  
Superior Industries, 608

## **Medical Services**

Wilderness Medics, Inc., 231 and 233

## **Metallurgical Consulting**

MTech/CAMP, 542  
SGS, 517

## **Metallurgy/Mining Departments**

Colorado School of Mines, 516

## **Metals Products & Processing**

Cd'A Metals (The Coeur d'Alenes Company), 644

## **Mine Construction**

AIL Mining, 413  
American Mine Services LLC, 546  
American Mining & Tunneling, LLC, 215 and 217  
Cementation USA Inc., 314  
IronWoman Construction & Environmental Services, 336

## **Mine Engineering**

Golder Associates Inc., 711

## **Mine Information**

InfoMine USA, Inc., 625

## **Mine Modeling Software**

Dassault Systemes GEOVIA, 733  
Datamine North America, Inc., 442  
PROMINE, 638

## **Mine Safety**

NIOSH-OSMSHR, 717

## **Mineralogy Analyzer**

American Assay Laboratory, 824

## **Mining Association**

Idaho Mining Association, 108  
Utah Mining Association, 833

M... (continued)

## **Mining Equipment**

Epiroc, 530  
GK Machine, Inc., 117

## **Mining Publications**

Engineering & Mining Journal, 929  
ICMJ's Prospecting & Mining Journal, 429  
The Mining Record, 713 & 715  
The Northern Miner, 627

## **Mining Pumps-Centrifugal, Redi-Prime**

Cornell Pump Company, 615

## **Mining Related Fine Jewelry, Awards, Gift Items**

Placer Gold Design, 636

## **Mining Software**

Dassault Systemes GEOVIA, 733  
PROMINE, 638  
TerraSource Software, 106

## **Motor Coach Manufacturer**

Motor Coach Industries, 511

P

## **Professional Association**

Society for Mining, Metallurgy & Exploration, Inc. (SME)/MEC, 515

## **Provincial Geologic Information**

Yukon Geological Survey, 1233

## **Public Affairs/Grassroots**

Women's Mining Coalition, 321

## **Pumps**

Peak Mechanical, LLC, 440  
Tsurumi (America), Inc., 925

R

## **Recruitment/Executive Search**

Sparrow Company, 240

## **Refining Services**

Just Refiners USA, Inc., 337

## **Remote Sensing Analytics**

SiteSee, 415

## **Reverse Circulation Hammers & Bits**

Mincon, Inc., 443

## **Rock Crushers**

CEC, 843

## **Rock Support - Surface and Underground**

Epiroc, 530  
Geobrugg North America, LLC 105

S

## **Safety Apparel**

Sunset Apparel, 333

## **Sales & Supply of Steel Pipe & Accessories**

Mill Man Steel Inc., 721

# Exhibitors by Product or Service.. (continued)

S... (continued)

## **Silver Mining Company**

Hecla Mining Company, 519

## **Spectroscopy**

Analytik Jena US LLC, 745

## **Staffing Services/Mining Industry-Temporary**

Geotemps, Inc., 726

## **Steel Pipe & Casing**

Challenger Pipe & Steel, 628

RJB Wholesale, 840

T

## **Transportation Services**

Alaska Marine Lines, Inc., 620

## **Tunneling**

MES Mining, 107

U

## **Underground Construction**

Atkinson Construction, LLC, 444

## **Underground Core Drilling Parts**

Northwest Machine Works, Inc., 520

## **Underground Mining Contractor**

MES Mining, 107

## **University**

MTech/CAMP, 542

University of Utah, 317

W

## **Water Consulting**

WSP USA, 526

## **Water Management**

Broadbent & Associates, Inc., 441

Linkan Engineering, 513

## **Water Treatment**

Evoqua Water Technologies, 328

Veolia Water Solutions & Technologies, 616

## **Wear Plate**

Cd'A Metals (The Coeur d'Alenes Company), 644

## **Well Drilling**

KP Ventures Well Drilling & Pump Co. LLC, 228

## **Wireless Communications**

3D-P, 527

CORE SHACK

## **Copper/Moly Exploration**

Idaho Cumo, C 3

## **Industrial Minerals**

Granatus Septem, LLC, C 5

## **Junior Exploration Company**

Adamera Minerals Corp., C 17

Arizona Silver, C 10

Brixton Metals Corporation, C 20

Constantine Exploration, C 18

Frazer Creek Exploration/Volcanic Gold & Silver, LLC, C15

Gold Resource Corporation, C 6

Gold Standard Ventures, C 1

Midas Gold Inc., C 7

Nevada Exploration Inc., C 16

NuLegacy Gold Corp., C 9

Renaissance Exploration, Inc., C 2

Stephen Smith, Inc./Larry R. Moyer, LLC, C 21

## **Mining Claim**

Black Jack Resources, C 19

## **Mining Company**

Comstock Mining, Inc., C 4

New Jersey Mining Company, C 12

## **Near-term Cobalt Producer**

eCobalt Solutions, Inc., C 11

## **Royalty**

Ely Gold Royalties, C 8



**American**  
**Exploration & Mining**  
ASSOCIATION

# Exhibitors by Booth Number

100

101	<b>Geological Society of Nevada (GSN) Books &amp; Publications</b>
102	<b>Mackay School of Earth Sciences &amp; Engineering Educational / University</b>
103	<b>State of Nevada-Division of Minerals Information of Geology &amp; Mining in Nevada</b>
104	<b>CREG (Center for Research Economic Geology) Education</b>
106	<b>TerraSource Software Mining Software</b>
105	<b>Geobruge North America, LLC, Rock Protection, Surface Mining, Underground Support</b>
107	<b>MES Mining, Underground Mining Contractor Tunneling</b>
108	<b>Idaho Mining Association, Mining Association</b>
109	<b>Layne Drilling Company</b>
110	<b>Oldcastle Premix, Concrete Solutions</b>
111	<b>McGinley &amp; Associates Environmental Consultants</b>
112	<b>Geo-Logic Associates Engineering Consultants</b>
114	<b>NewFields, Consulting Engineering, Environmental Consultants</b>
115	<b>Foth Infrastructure &amp; Environment, LLC Environmental Engineering</b>
116	<b>Crone Geophysics &amp; Exploration Ltd. Geophysical Services</b>
117	<b>GK Machine, Inc. Mining Equipment</b>
118	<b>Jentech Drilling Supply, Inc. Drilling Supplies</b>

200

215 and 217	<b>American Mining &amp; Tunneling, LLC Mine Development, Contract Mining</b>
218	<b>Intermountain Electronics, Inc. Electrical Control and Distribution Systems</b>
219 and 221	<b>American Drilling Corp., LLC Diamond Core Drilling</b>
220	<b>Rockmore International Drilling Equipment (Bits &amp; Steel), DTH Hammers &amp; Bits</b>
226	<b>Hart Crowser Inc. Engineers</b>
228	<b>KP Ventures Well Drilling &amp; Pump Co. LLC Well Drilling</b>
230 and 232	<b>U. S. Forest Service Government</b>
231 and 233	<b>Wilderness Medics, Inc. Medical Services</b>
235	<b>Activation Laboratories Ltd., Analytical Services</b>
236	<b>Hole Products Drilling Supplies</b>
237	<b>SpectTIR, LLC Hyperspectral Imaging</b>
238	<b>Environmental Standards, Inc. Data Validation</b>
240	<b>Sparrow Company Recruitment/Executive Search, Human Resources</b>
242 and 244	<b>Drilling HQ Diamond Core Supplies</b>

300

314	<b>Cementation USA Inc. Mine Construction</b>
316	<b>Bison Engineering Inc. Environmental Consulting, Environmental Permitting</b>
317	<b>University of Utah, University</b>
318	<b>Mount Sopris Instrument Company Inc. Geophysical Logging Equipment</b>
319	<b>Precision GeoSurveys, Airborne Geophysics</b>
320	<b>Mobile Air, Industrial Heating</b>
321	<b>Women's Mining Coalition Education/Governmental Affairs, Public Affairs/Grassroots</b>
324	<b>Harrison Western Construction Corporation Contract Mining</b>
326	<b>Master Drilling USA Drilling Company</b>
327	<b>Solmax Geosynthetics, Liners</b>
328	<b>Evoqua Water Technologies Water Treatment</b>
330	<b>WaterSolve, LLC Dewatering</b>
331	<b>Sunset Manufacturing Core Sample Bags</b>
332	<b>Woodhawk Manufacturing Chuck &amp; Rod Holder Jaws</b>
333	<b>Sunset Apparel Safety Apparel</b>
336	<b>IronWoman Construction &amp; Environmental Services, LLC, Mine Construction</b>
337	<b>Just Refiners USA, Inc., Refining Services</b>
338	<b>Robertson GEO, Geophysical Logging Equipment</b>
339 and 341	<b>U. S. Bureau of Land Management Government</b>
342	<b>U.S. Department of Homeland Security, Government</b>
345	<b>GeoShack Aerial Data Acquisition</b>
344	<b>FOREMOST Drilling Rigs</b>

346	<b>Duraroot Environmental Consulting Environmental Consulting</b>
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400

410	<b>ARCADIS Environmental Consultants, Engineering Services</b>
412	<b>TestAmerica Laboratories, Inc. Analytical Laboratory Services</b>
413	<b>AIL Mining Mine Construction</b>
414	<b>ACF West Inc., Liners</b>
415	<b>SiteSee, Remote Sensing Analytics</b>
416	<b>Terramac Drilling Equipment, Drilling Rigs &amp; Compressors</b>
418	<b>TonaTec Exploration LLC Drilling Company</b>
419	<b>Cummins Sales and Service Diesel Engines, Diesel Parts &amp; Service</b>
421	<b>Northwest Linings and Geotextile Products, Inc/Sierra Geosynthetic Services, Inc. Liner Installation, Geosynthetics</b>
424	<b>Cascade Earth Sciences Engineering &amp; Environmental Consulting</b>
426	<b>Devico, Directional Core Drilling, Downhole Survey Tools</b>
425 and 427	<b>Coeur Products Ltd Inc. Core Boxes, Core Drills</b>

# Exhibitors by Booth Number.. (continued)

## 400... (continued)

429	<b>ICMJ's Prospecting &amp; Mining Journal</b> <i>Mining Publications</i>	543
430	<b>Victaulic Grooved Piping Products</b>	
431 and 433	<b>First Drilling Group</b> <i>Drilling Company</i>	545
437 and 439	<b>International Directional Services (IDS)</b> <i>Gyro Surveying &amp; Instrument Rentals, Directional Drilling Services &amp; Motor Sales</i>	546
440	<b>Peak Mechanical, LLC,</b> <i>Pumps</i>	547
441	<b>Broadbent &amp; Associates, Inc.</b> <i>Environmental Consulting, Water Resources</i>	548
442	<b>Datamine North America, Inc.,</b> <i>Mining Software</i>	604
443	<b>Mincon, Inc.</b> <i>DTH Hammers and Bits, Reverse Circulation Hammers &amp; Bits</i>	607
444	<b>Atkinson Construction, LLC</b> <i>Underground Construction</i>	608
445 and 447	<b>Major Drilling</b> <i>Drilling Company</i>	609
446	<b>DEA Incorporated</b> <i>Electrical Distribution Equipment</i>	610

## 500

508	<b>AATA International , Inc.</b> <i>Environmental Consultants</i>	611
510	<b>Field Lining Systems, Inc.</b> <i>Liners</i>	612
511	<b>Motor Coach Industries,</b> <i>Motor Coach Manufacturing</i>	613
512	<b>Barr Engineering Co.</b> <i>Engineers</i>	614
513	<b>Linkan Engineering</b> <i>Water Management</i>	615
514	<b>Mavrik Environmental &amp; Exploration Products,</b> <i>Drilling Products, Machining Services</i>	616
515	<b>Society for Mining, Metallurgy &amp; Exploration, Inc. (SME)/MEC</b> <i>Professional Association</i>	617
516	<b>Colorado School of Mines</b> <i>Educational/University, Metallurgy/Mining Departments</i>	619
517	<b>SGS Analytical Laboratory Services,</b> <i>Metallurgical Consulting</i>	620
518	<b>Engineering Analytics, Inc.</b> <i>Engineering Consultants</i>	621
519	<b>Hecla Mining Company</b> <i>Silver Mining Company</i>	624
520	<b>Northwest Machine Works, Inc.</b> <i>Drilling Products, Underground Core Drilling Parts</i>	625
524	<b>Envirocon, Inc.</b> <i>Environmental and Reclamation Services</i>	626
525	<b>U. S. Geological Survey</b> <i>Government</i>	627
526	<b>WSP USA</b> <i>Water Consulting</i>	628
527	<b>3D-P</b> <i>Wireless Communications</i>	629
528	<b>Zonge International, Inc.</b> <i>Geophysical Services, Geophysical Instrumentation</i>	630
529	<b>Pace Analytical Services Inc.</b> <i>Laboratory Services, Environmental Laboratory Services</i>	631
530	<b>Epiroc</b> <i>Mining Equipment, Rock Support</i>	631
531	<b>United Central Industrial Supply</b> <i>Cap Lamps, Gas Detection, Mine Rescue, Ventilation Products, Services</i>	632
540	<b>Drift Exploration Drilling, Inc.</b> <i>Drilling Company</i>	633
541	<b>Agru America, Inc.</b> <i>Geosynthetics, Liners</i>	635
542	<b>MTech/CAMP</b> <i>University, Metallurgical Consulting</i>	

## 500... (continued)

<b>Lumos &amp; Associates, Inc.</b> <i>Engineering and Environmental Consultants</i>
<b>EC Applications, Inc.</b> <i>Geosynthetics</i>
<b>American Mine Services LLC</b> <i>Mine Construction, Mine Development</i>
<b>Baroid Industrial Drilling Products</b> <i>Drilling Fluid Products</i>
<b>McClelland Laboratories, Inc.</b> <i>Analytical Laboratory</i>

## 600

<b>GeoResource Management,</b> <i>Geological and Geophysical Consulting</i>
<b>Tetra Tech</b> <i>Engineering Consultants, Environmental Consultants</i>
<b>Superior Industries</b> <i>Material Handling</i>
<b>Cascade Drilling, L.P.</b> <i>Drilling Company</i>
<b>Western Cultural Resource Management, Inc.</b> <i>Cultural Resource Management Consulting/Planning</i>
<b>Century Wireline Services</b> <i>Downhole Geophysical Logging</i>
<b>SWCA</b> <i>Environmental Consulting</i>
<b>GeoEngineers, Inc.</b> <i>Environmental &amp; Technology, Geotechnical Engineering</i>
<b>Itasca Denver, Inc.</b> <i>Hydrology, Geomechanics &amp; Geochemistry Consulting, Environmental Consulting &amp; Permitting</i>
<b>Cornell Pump Company</b> <i>Mining Pumps-Centrifugal, Redi-Prime</i>
<b>Veolia Water Solutions &amp; Technologies</b> <i>Water Treatment</i>
<b>IDEA Drilling LLC</b> <i>Drilling Company</i>
<b>Schramm Inc.</b> <i>Drilling Rigs and Compressors</i>
<b>Alaska Marine Lines, Inc.</b> <i>Transportation Services</i>
<b>ACZ Laboratories, Inc.</b> <i>Analytical Laboratory Services</i>
<b>SRK Consulting (US), Inc.</b> <i>Consulting Engineers</i>
<b>InfoMine USA, Inc.</b> <i>Mine Information, Cost Estimating Services</i>
<b>PayneWest Insurance</b> <i>Insurance Services, Bonding</i>
<b>The Northern Miner</b> <i>Mining Publications</i>
<b>Challenger Pipe &amp; Steel</b> <i>Steel Pipe &amp; Casing, Grooved Piping Products</i>
<b>Elko Convention and Visitors Authority</b> <i>Convention Center/Elko Mining Expo</i>
<b>Energy Laboratories, Inc.</b> <i>Environmental Laboratory Services</i>
<b>Florin Analytical Services</b> <i>Analytical Laboratory Services, Laboratory Services</i>
<b>Kappes, Cassiday &amp; Associates</b> <i>Engineering Consulting Services, Laboratory Services</i>
<b>hydroGEOPHYSICS, Inc.</b> <i>Geophysical Services</i>
<b>Timberline Drilling</b> <i>Drilling Company</i>
<b>International Lining Technology</b> <i>Liner Installation, Geosynthetics</i>

# Exhibitors by Booth Number.. (continued)

## 600... (continued)

636	<b>Placer Gold Design</b> Mining Related Fine Jewelry, Awards, Gift Items, Jewelry
638	<b>PROMINE</b> , Mining Software
640	<b>H2E, Inc.</b> Electrical Engineering Services
641 and 643	<b>RockTech USA</b> Drilling Products, Drill Hole Survey
644	<b>Cd'A Metals (The Coeur d'Alenes Company)</b> Metals Products & Processing, Wear Plate
645	<b>Knight Piésold</b> Consulting Engineers, Environmental Consulting & Permitting
646 and 648	<b>Natural Creations</b> Gems and Semi-Precious Stones
647 and 649	<b>Dyno Nobel Inc.</b> Explosives

## 700

700	<b>FORDIA/Matex</b> Drilling Products
702	<b>Frontier-Kemper Constructors, LLC</b> Hoisting System, Conveyance & Vertical Belts
703	<b>Anachemia Mining</b> Laboratory Equipment & Supplies, Laboratory Chemicals
704	<b>Pioneer Technical Services, Inc.</b> Engineering and Environmental Consultants
705 and 707	<b>O'Keefe Drilling</b> Drilling Company,
706	<b>Klepfer Mining Services, LLC</b> Environmental Services
708	<b>REI Drilling/DPI Drilling Products</b> Drilling Services, Drilling Supplies
709	<b>Hidden Valley Insurance Inc.</b> Insurance Services, Insurance & Risk Management
710	<b>HIIG Energy</b> Insurance Services
711	<b>Golder Associates Inc.</b> Mine Engineering, Environmental Consultants
713 & 715	<b>The Mining Record</b> Mining Publications, Maps
716 and 718	<b>National EWP</b> Drilling Company, Exploration Company
717	<b>NIOSH-OMSHR</b> Mine Safety
720	<b>EM Strategies, Inc.</b> Environmental Consulting & Permitting
721	<b>Mill Man Steel Inc.</b> Sales & Supply of Steel Pipe & Accessories
724	<b>Geopros, Inc.</b> Direct Staffing Services for Industry
725 and 727	<b>Boart Longyear</b> Drilling Services, Drilling Company
726	<b>Geotemps, Inc.</b> Staffing Services/Mining Industry-Temporary
728	<b>Hoffman Diamond Products, Inc.</b> Diamond Bits
729	<b>EDCON-PRJ, Inc.</b> Geophysical Services
730	<b>Acker Drill Company</b> Drilling Equipment, Drilling Rigs
731	<b>Anvil International</b> Grooved Piping Products
732	<b>Wood Environment &amp; Infrastructure Solutions, Inc.</b> Engineering and Environmental Consultants, Consulting Engineers
733	<b>Dassault Systemes GEOVIA</b> Mining Software, Mine Modeling Software
736 and 738	<b>Stantec Consulting Services</b> Environmental Consultants

## 700... (continued)

737	<b>M-I Swaco</b> Drilling Fluid & Solids Control Company
739	<b>COLOG</b> Borehole Geophysical, Hydrophysical Logging
740	<b>Electromind SA</b> Geophysical Logging Equipment
741	<b>Pacific Inter-Mountain Distribution, LLC</b> , Environmental Services
742 and 744	<b>Infinity Tool Mfg.</b> , Drilling Bits & Drilling Accessories
743	<b>SVL Analytical, Inc.</b> , Analytical Services
745	<b>Analytik Jena US LLC.</b> , Spectroscopy
748 and 750	<b>IMDEX Limited</b> Drilling Fluids and Solids Control, Down Hole Survey/XRF Rentals
749	<b>DMC Mining Services</b> Contract Mining, Engineering

## 800

824	<b>American Assay Laboratory</b> Assay Laboratory, Mineralogy Analyzer
825	<b>Parsons Behle &amp; Latimer</b> Legal Services
826	<b>Agilent Technologies</b> Atomic Spectroscopy, Laboratory Equipment
827	<b>Environmental Products &amp; Applications, Inc.</b> Dust Control-Roads and Erosion
828	<b>Pershing Gold Corporation</b> Emerging Gold Producer
829	<b>DelHur Industries, Inc</b> Heavy Civil Construction Services
830	<b>Yellow Jacket Drilling Services</b> , Drilling Company
831	<b>General Tool, Inc.</b> Diamond Bits, Diamond Saw Blades
832	<b>CGS Mule, LLC</b> Geological Supplies
833	<b>Utah Mining Association</b> Mining Association
836	<b>Ruen Drilling, Inc.</b> Drilling Company
837	<b>Skyline Assayers &amp; Laboratories</b> Assay Laboratory, Laboratory Analytical Services
838	<b>Piteau and Associates</b> Engineering and Environmental Consultants
839	<b>Layfield Group</b> , Geosynthetics
840	<b>RJB Wholesale</b> , Steel Pipe
841	<b>Doppelmayr Transport Technology GmbH</b> Material Transport Systems
843	<b>CEC Rock Crushers</b>
844 and 846	<b>HyperSciences</b> , Hypersonic Drilling Equipment
847	<b>Re-Gen Enterprises LLC</b> , Liner Removal
848	<b>MICROMINE</b> Data Solutions
849	<b>Creation Material Handling LLC</b> , Material Handling
851	<b>BV Minerals</b> Assay Laboratory

## 900

924	<b>ALS Minerals</b> Assay Laboratory, Laboratory Analytical Services
925	<b>Tsurumi (America), Inc.</b> Pumps
926	<b>Western Environmental Testing Laboratory</b> Environmental Laboratory Services

# Exhibitors by Booth Number.. (continued)

900... (continued)

927	<b>WEG Electric Corp.</b> , <i>Electrical Control &amp; Distribution Systems</i>
929	<b>Engineering &amp; Mining Journal</b> <i>Mining Publication</i>
930 and 932	<b>Exploration Services Inc.</b> <i>Engineering &amp; Geology Support Services</i>
933	<b>Skytem Canada Inc.</b> <i>Airborne Geophysical Services</i>
<b>1000</b>	
1025	<b>STC Environmental</b> <i>Fabric Buildings</i>
1032	<b>Olympus America, Inc.</b> , <i>Analytical Instruments</i>
1033	<b>Brixton Metals Corporation</b> <i>Junior Exploration Company</i>
1124	<b>Falcon Drilling Inc.</b> <i>Drilling Company</i>
1125	<b>Sample Archive System</b> <i>Core Boxes</i>
1132	<b>ProDeMin</b> <i>Exploration Services-Mexico</i>
1225	<b>Midas Gold Inc.</b> <i>Junior Exploration Company</i>
1233	<b>Yukon Geological Survey</b> <i>Provincial Geologic Information</i>

## CORE SHACK

C 1	<b>Gold Standard Ventures</b> , <i>Junior Exploration Company</i>
C 2	<b>Renaissance Exploration, Inc.</b> , <i>Junior Exploration Company</i>
C 3	<b>Idaho Cumo</b> , <i>Copper/Moly Exploration</i>
C 4	<b>Comstock Mining, Inc.</b> , <i>Mining Company</i>
C 5	<b>Granatus Septem, LLC</b> , <i>Industrial Minerals</i>
C 6	<b>Gold Resource Corporation</b> , <i>Junior Exploration Company</i>
C 7	<b>Midas Gold Inc.</b> , <i>Junior Exploration Company</i>
C 8	<b>Ely Gold Royalties</b> , <i>Royalty</i>
C 9	<b>NuLegacy Gold Corp.</b> , <i>Junior Exploration Company</i>
C 10	<b>Arizona Silver</b> , <i>Junior Exploration Company</i>
C 11	<b>eCobalt Solutions, Inc.</b> , <i>Near-term Cobalt Producer</i>
C 12	<b>New Jersey Mining Company</b> , <i>Mining Company</i>
C 15	<b>Frazer Creek Exploration Co. / Volcanic Gold &amp; Silver</b> , <i>Junior Exploration Company</i>
C 16	<b>Nevada Exploration, Inc.</b> , <i>Junior Exploration Company</i>
C 17	<b>Adamera Minerals Corp.</b> , <i>Junior Exploration Company</i>
C 18	<b>Constantine Minerals</b> , <i>Junior Exploration Company</i>
C 19	<b>Black Jack Resources</b> , <i>Mining Claim</i>
C 20	<b>Brixton Metals Corporation</b> , <i>Junior Exploration Company</i>
C 21	<b>Stephen Smith, Inc./Larry R. Moyer, LLC</b> , <i>Junior Exploration Company</i>

## EXHIBIT HALL HOURS & ACTIVITIES

### TUESDAY DECEMBER 4

- Exhibitor Set up 8:00 am- 5:00 pm

### WEDNESDAY DECEMBER 5 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:35 - 4:20
- Welcoming Reception ~ 5:30 pm - 6:30 pm

### THURSDAY DECEMBER 6 ~ 9:00 am - 6:30 pm

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- Sandwich Lunch Noon ~ 1:30 pm  
*Sandwich, chips, cookie & soda \$15.00*
- Afternoon Coffee Break ~ 3:35 - 4:20
- Happy Hour Reception ~ 5:30 pm - 6:30 pm

### FRIDAY DECEMBER 7 ~ 9:00 am - NOON

- Exhibits Open ~ 9:00 am
- Morning Coffee Break ~ 9:35 - 10:20
- **TEAR DOWN - 11:00 AM ~ 5:00 PM**



**American  
Exploration & Mining**

ASSOCIATION

AEMA's 2018 Final Registration Brochure

# 2018 Exhibit Hall Map

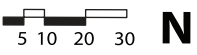
If you are interested in exhibiting at this show please contact Mike Heywood - [mheywood@miningamerica.org](mailto:mheywood@miningamerica.org), or call (509) 624-1158 x 110 for rates and availability



## 2018



250 - 10'x10' booths  
 21 - posterboards for Core Shack  
 6 - posterboards for Students



Red and Yellow Spaces are taken  
 Updated 11/14/18