

# CALL FOR ABSTRACTS

---



**SAN JUAN  
MINING &  
RECLAMATION  
CONFERENCE**



## **“Changing Approaches”**

**September 24-26, 2019 | Silverton, Colorado**

Modern mining began in the San Juan Mountains nearly 150 years ago. Reclamation plans for active mines have been required for forty years, and remediation of abandoned and inactive historic mines in the San Juan Mountains has been ongoing for over 25 years. Much has been learned about mining and reclamation, and changes have occurred over the decades. Now may be a good time to contemplate what those changes are or could be, and given what we’ve learned, consider different approaches towards mining and reclamation.

The 9<sup>th</sup> annual San Juan Mining and Reclamation Conference and the 3<sup>rd</sup> Annual Innovation Expo are both happening in Silverton this year, so the two will be conjoined to focus on *changing approaches* in both mining and reclamation. Some of these changes are happening organically, some are planned locally, and some come from external sources outside of local control.

### **The San Juan Mining and Reclamation Conference**

Previous San Juan Mining and Reclamation Conferences have focused on projects such as characterizing a watershed or remediating a mine site. Here was a site specific problem; this was our plan to address it; here is how the implementation worked; these are the results of our efforts. We learn a lot from each other through these case studies, but this year we are planning a little different approach. The conference will be an opportunity to step back and look at the bigger picture of mining and reclamation activities in the San Juan Mountains. We plan to discuss the changes that are occurring or should occur in:

- ***Setting Overall Cleanup Goals for Watersheds***– Several San Juan Mountain watersheds have established cleanup goals for a couple of specific metals through negotiated settlements between large mining companies and regulatory agencies. In the Animas River watershed, goals for many metals at several locations were determined through a comprehensive, but now outdated process, driven by local stakeholders. Given a lack of pre-mining environmental data and natural sources of metal loading, **how should goals for cleanup be set? What are some approaches and can they be improved?**
- ***Voluntary Versus Regulatory Approaches for Mine Remediation***– Both voluntary and regulatory processes for mine cleanup have been utilized in the San Juans. **How well do they work and are they effective in meeting overall cleanup goals? Is one approach better than another?**
- ***New Funding and Partnership Opportunities*** – With the possible exception of Superfund, federal money for abandoned mine remediation is disappearing. Land management agencies see overall budgets declining and have more pressing priorities. Funding for 319 grants has significantly diminished. **What new**

## approaches can be used to fund projects?

- ***Mining While Minimizing Environmental Impacts*** – We all use mining products and unmined mineral deposits still exist in the San Juans. **How can these valuable ores be extracted without leaving the environmental consequences that historical mining did?**

For more information about the San Juan Mining & Reclamation Conference , please visit <http://www.mountainstudies.org/sjmrc>.

## **The Innovation Expo**

The first Innovation Expo conference took place in August of 2017, and – advertised only through word of mouth—was attended by over 75 participants representing delegates from Colorado, Washington, Utah, Oregon, and Norway. The Expo grew substantially in the second year and included businesses, mining industry, consultants, community members, scientists, engineers, start-ups, venture capital, accelerators, and local, regional, state and federal agencies. This year’s event will highlight changes and innovations related to mining and remediation with a focus on technological development and business opportunities to bring those innovations to market for more widespread use. Technological areas will include:

- ***New Methods for Monitoring, Remote Sensing, and Modeling***
- ***Innovative Treatment of Mine Drainage and Mine Waste***
- ***Source Prevention of Acid Generation and In-Situ Treatment***
- ***Developing Valuable Products from Mine Water or Waste Material***

While other conferences or expos may be larger, this event is intentionally targeting pioneers, early adopters, and those on the leading edge of technology and innovation to a targeted conversation to advance innovation in remediation.

The 2019 San Juan Mining and Reclamation & Innovation Expo offers unprecedented opportunities to engage your targeted audience and deliver on your marketing objectives with a more dynamic and interactive presence. We invite companies and partners to present, demonstrate their product(s), sponsor, and exhibit at the event. For information on sponsorship and exhibitor opportunities including custom events, please visit <https://mountainstudiesinstitute.com/expo>

### *CONFERENCE COMMITTEE:*

*Uncompahgre Watershed Partnership, Mountain Studies Institute, Animas River Stakeholders Group, the Colorado Division of Reclamation, Mining and Safety, San Miguel Watershed Coalition, Willow Creek Reclamation Committee, and Lake Fork Valley Conservancy*

### *ALL CONFERENCE DETAILS:*

<http://www.mountainstudies.org/expo>

---

# INSTRUCTIONS FOR ABSTRACT SUBMISSION FOR THE SAN JUAN MINING AND RECLAMATION CONFERENCE AND INNOVATION EXPO

## Guidelines for Presentations, Posters, and Discussions

The Conference & Expo committee invites abstracts for talks, posters, and roundtable discussions to support the themes of this year's event. Please submit all information contained in the online form (below), including your abstract, by **May 1<sup>st</sup>** at 5 p.m. MST. Abstract titles are limited to 12 words and abstract descriptions should be no more than 250 words. We welcome the submission of abstracts for oral presentations (20 minutes), posters (up to 42" x 60"), and topics for roundtable discussions ( $\leq$  12 person break-out groups). We will balance content contributed by industry, government, businesses, and nonprofit organizations in the final program. Your contribution should align well with the themes outlined in the table below:

San Juan Mining & Reclamation Conference Themes	Innovation Expo Themes
1. <i>Setting Overall Cleanup Goals for Watersheds</i>	5. <i>New Methods for Monitoring, Remote Sensing, and Modeling</i>
2. <i>Voluntary vs. Regulatory Approaches for Mine Remediation</i>	6. <i>Innovative Treatment of Mine Drainage and Mine Waste</i>
3. <i>New Funding and Partnership Opportunities</i>	7. <i>Source Prevention of Acid Generation and In-Situ Treatment</i>
4. <i>Mining While Minimizing Environmental Impacts</i>	8. <i>Developing Valuable Products from Mine Water or Waste Material</i>

If you are uncertain about which category suits your topic or you have any questions related to abstract submission, contact Haley Farwell at [haley@mountainstudies.org](mailto:haley@mountainstudies.org).

## Guidelines for Demonstrations

The Conference & Expo committee is seeking solid demonstration submissions that will be of interest to our audience of operators, investors, active researchers and practitioners who are striving to innovate solutions for new mine technology and reclamation technology. We invite technologies, products, and services that address any aspect of draining mines and acid generation, including but not limited to: characterization, IT sensing and support, remote power, access, treatment technologies, bi-products, market solutions, and system approaches.

Depending on the level of responses received, additional opportunities may be developed between the two events for showcasing technologies based upon interest and need.

Demonstrations should describe and/or demonstrate a novel solution to an existing or new problem associated with acid mine drainage. Demonstration submissions should address the following questions:

- What challenge does your technology seek to address?
- Who are the target users?
- What will your demonstration show and how does it work?
- What is your competitive advantage or niche?

- How does your product/demonstration compare to existing systems that seek to do the same or similar things?
- How/where/when will your technology have a technical or commercial impact?

Submissions will be reviewed by the Conference & Expo committee, who will evaluate the advantages and novelty of the technical features being demonstrated, the challenges in producing such a system, the expected impact, and the timeliness and relevance for the Innovation Expo audience.

### **ABSTRACT SUBMISSION REQUIREMENTS**

- Complete the online abstract submission form below
- If necessary, email a pdf with additional diagrams, appendices and references to [haley@mountainstudies.org](mailto:haley@mountainstudies.org)

## [ONLINE ABSTRACT SUBMISSION FORM](#)

### **IMPORTANT DATES**

<b>DEMONSTRATION DEADLINE</b>	<b>PRESENTATIONS &amp; POSTERS DEADLINES</b>
Submission due: May 1 <sup>st</sup>	Submission due: May 1 <sup>st</sup>
Demonstrations notification: June 1 <sup>st</sup>	Demonstrations notification: June 1 <sup>st</sup>

### **THANK YOU FOR YOUR CONTRIBUTION!!!**

Please direct all questions to [haley@mountainstudies.org](mailto:haley@mountainstudies.org), 970-387-5161.