

Mining and Metallurgical Society of America



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Who Are We?

The Mining & Metallurgical Society of America

- Founded 1908, Incorporated in 1910
- Engaged industry leaders representing all facets of the minerals industry
- Focused on fundamental principles and issues facing the industry
- Flexible organization able to respond quickly to opportunities to support and promote the global and domestic industry



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History



MMSA, Biltmore Hotel, March 9, 1914

Founded by 114 of the most prominent men in the natural resources world in 1908

Members have helped to shape industry through professional papers, resolutions, speeches, pamphlets on nearly every aspect of mining

- Resolutions recommending mining companies publish annual reports (1909)
- Key to the establishment of the U.S. Bureau of Mines (1912)
- Drafted post-war national policies for the mineral industry (1950s)
- Involved with an overall study of the status of the mining industry in the U.S. (1960s)
- Financial support of minerals education (MII and later, MEC) (1980s)
- Position papers regarding public land issues (1990s)

Objectives



Membership



- MMSA is an invitational society
- Regular membership is about 330
- 200 hold Qualified Professionals (QP) credentials

Requirements for Regular Membership

- 10 years practical experience (may include 4 years of education)
- Engineering or geoscience degree
- 5 years of responsibility
- 3 sponsors – one supervisor and at least two MMSA members

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QP Membership



Requirements for Qualified Professional

- 10 years of overall practical or professional experience (not including undergraduate years)
- 5 years of experience in the QP discipline
- 5 years of responsibility
- 3 sponsors
- Sign ethics statement
- Application reviewed and approved by QP committee

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Regular Programs



MMSA-SMEF Presidential Scholarship

- Awarded to graduate and undergraduate students pursuing careers in minerals industry

\$ Jackling Fund

- Approximately \$1 million
- \$45k-\$60k donated annually to public awareness and education programs
- 501(c) 6 status



Sponsorships

- MMSA sponsors participants in the Women's Mining Coalition Fly-in
- Legislative outreach efforts by others



Education Fund

- Purpose is to support education efforts
- 501(c) 3 status



Gold Medal

- Awarded to individuals making significant contributions to industry
- First in 1914 – only 37 medals awarded
- 5 ounces gold



Position Papers

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Qualified Professional Program



QP Program

- Recognized by Canada, Australia and South Africa

Disciplines

- Geology
- Mining
- Ore Reserves
- Metallurgy/Processing
- Environmental
- Mineral Valuation, Finance
- Minerals Project Costing, Infrastructure, Management



Continuing Professional Development

- Focused activities and continuing education that are discipline specific
- 150 hours over 3 years or 50 hours per year
- Log requirement
- Audited at least once every 7 years

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Advancement of Industry

CONCEPT

- Invite and retain industry leaders
- Provide incentive for innovation and new technology

MEMBER-DRIVEN TARGET ACTIVITIES

- Recruit young people to industry
- Provide professional mentoring
- Recruit members to MMSA
- Provide networking opportunities

QUALITY
MEMBERSHIP
COMMITTEE

MOST RECENT PROGRAMS

- Created pilot professional mentoring program in collaboration with the SME Young Leaders Committee

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Responsible Resource Development

CONCEPT

- Outreach to public and policy makers
- Involvement in policy making

MEMBER-DRIVEN TARGET ACTIVITIES

- Free topical conferences and webinars
- Prepare position papers in support of other organizations efforts

GOVERNMENT
COMMITTEE

AML COMMITTEE

MOST RECENT PROGRAMS

- Abandoned Mine Land Clean-up Symposiums in 2018, 2019, 2020 (webinar) and upcoming in 2022
- Created critical mineral webinar series
- Collaboration with mining associations and other organizations

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Protection of Investors and Workers

CONCEPT

- Focus on QP Program
- Provide professional education for members
- Provide public and investor education

QP Enhancement Committee

MEMBER-DRIVEN TARGET ACTIVITIES

- Maintain a high quality QP program
- Increase and improve public perception

Next Big Thing Committee – Due Diligence Best Practices

MOST RECENT PROGRAMS

- Conducted SEC SK-1300 webinar series
- Executed ESG webinar series and panel discussions (upcoming)
- Conducted due diligence mini-conference
- Membership with IMVAL – implementation of valuation standards

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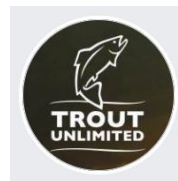
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MMSA Actively Seeks Ways to Collaborate with Other Organizations

- Women’s Mining Coalition
- Society of Mining, Metallurgy and Exploration (SME)
- International Mineral Valuation Committee (IMVAL)
- Trout Unlimited
- National Mining Association (NMA)
- Colorado Mining Association (CMA)
- American Exploration & Mining Association (AEMA)
- Colorado School of Mines
- University of Nevada, Reno



University of Nevada, Reno



American Exploration & Mining Association
EST. 1895



INTERNATIONAL MINERAL VALUATION COMMITTEE (IMVAL)



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Abandoned Mine Land Clean-up Initiative

2018 Summit

- MMSA, CSM, Trout Unlimited
- 111 Attendees
- Golden, CO

Outcome

- Identify components of liability protection legislation (Good Sam)
- Advance process for closure of pilot projects

2019 Summit

- MMSA, University of Nevada- Reno, CSM, Trout Unlimited
- 110 Attendees
- Reno, NV

Outcome

- Update of Good Sam
- Outline criteria and release vehicles
- Identify potential candidates
- Working list of partnerships
- Establish action plan