



MINING AND MINERALS EDUCATION FOUNDATION
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MARCH 2024

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[Home \(miningeducationfoundation.org\)](http://miningeducationfoundation.org)

CONCENTRATES

2024-25 Officers & Governors Named



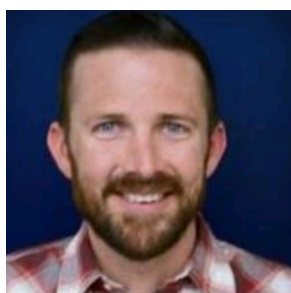
Shawn Hamilton - President - is an Arizona native and a graduate of the University of San Diego where he was a scholar athlete (basketball) and last year became the Territory Manager for Kloeckner Metals. He has 28 years of experience in a sales role for the metal distribution industry having also worked for Ryerson, Thyssen Krupp NA and Integris Metals where he has enjoyed serving an extensive variety of industrial and fabrication clients. He has been a Board member since 2020 and has been a member of the MMEF since July 2018.



Robin Barnes—Vice President & Hall of Fame Chair - received her undergraduate degree in Range Management from the University of Arizona and obtained her A.A.S. Legal Assistant and Petroleum Land Management Certificates from Pima Community College and from the University of Houston, Downtown, respectively. She joined Hudbay Rosemont Copper in 2020 as the Land Manager. She previously was with ASARCO as the Corporate Land Manager and worked as a paralegal for DeConcini McDonald Yetwin and Lacy and Quarles & Brady providing legal assistance and landman services in mining law, natural resources and water rights. She has been a member of the MMEF since 2016 and on the Hall of Fame Committee and on the Board since 2016.



Kathy Arnold - Treasurer - is a graduate of Montana Tech with a BS in Mineral Processing Engineering, BS in Computer Science and a BS in Mathematics with an MS focused in Project and Engineering Management and is a licensed professional engineer. Previously she worked for Asarco, Hudbay, and now has her own consulting firm, Next Plan, LLC. She is active in SME and Women in Mining. She is currently on the board of the Montana Tech Foundation and the Montana Tech - Metallurgical and Materials Engineering Department, Industry Advisory Board. She has been a member of the MMEF since 2017 and on the BOG since 2019. She has completed the Certification Program at the Institute of Corporate Directors, ICD.D, (December 2022) at University of Toronto - Rotman School of Management! She also is an Independent Director for Faraday Copper Corp and is the Director of Sustainability for Auxilium Technology Group.



Chris Wilson - Secretary - Wilson is an Engineering Manager for Caterpillar. He received his B.S. in Mining Engineering from The University of Arizona and has been a member of the MFSW since 2016 and was President in 2019 and Hall of Fame Chair in 2018. He started his career with Freeport-McMoRan at the Miami Mine and subsequently spent time in various positions with FMI at Sierrita and Morenci. In 2017 he became a Technical Sales Engineer for IEC Supply catering to mining & related heavy industry accounts in the Southern Arizona, New Mexico, and Kingman Area. He is a member of SME

Board of Governors

Term expires: February, 2025

Kathy Arnold
Jean Austin
Mark Baker
Robin Barnes
Don Earnest
David Rhoades
Monica Salguero
Andrew Soderman

Term expires February 2026

Amanda Best
Avi Buckles
John Fenn
Rebecca Martinez
Terry McNulty
Deb St. Aubin
Robert Tracy
Will Wilkinson

Term expires February 2027

Anthony Cook
Fiorella Giana
Shawn Hamilton
Nyal Niemuth
Brad Ross
David Travis
Gene Waken
Chris Wilson

Committee Chairs

Audit & Finance Chair - Herb Welhener

Foresight Chair - Don Earnest

Nominating Chair - Robert Tracy



Wednesday, April 10th - WIM Volunteer Event (Optional) Presentations at Elko High School
 - Advisory Council Meeting (by invitation only).
 - WIM Dinner and Dance

Thursday, April 11th - The Main Event

- Jam packed day with panels focused on “Empowering Better Wellness”, “Future of Mining”, and “A Conversation for Change Fostering a Sustainable and Inclusive Workforce “. Speakers including Denise Johnson, Group President of Resource Industries for Caterpillar, Amber Barnes, Founder and Chief Education Officer at StartHuman, Inc. And Amanda Hilton, President, Nevada Mining Association.

Friday, April 12th - Speakers including Janet Foulty, an accomplished senior business leader, technologist and author who spent over 30 years at Deloitte where she served as Chair and CEO of Deloitte Consulting LLP. Field Trips and more speaker

- Sign up for a field trip including:

- 1) NGM Surface
- 2) NGM Underground
- 3) NGM Metallurgy
- 4) Marigold & Lone Tree Tour
- 5.) Kinross Bald Mountain

Saturday, April 13th - Board Meeting - by invite only

Register now at [WIM 2024 | Women In Mining 2024 National Conference | Elko \(wim-usa-2024-conference.org\)](https://www.wim-usa-2024-conference.org)

MESSAGE FROM INCOMING OFFICERS



President, Shawn Hamilton
Territory Manager, Kloeckner Metals.

Well, here we are in the spring of 2024, four years removed from the Covid related lockdowns that hit our society head on in March of 2020. For most of us, this event significantly altered every facet of our everyday lives... from work to play and everything in between. The changes that occurred have had a long-lasting impact on how we interact with our world (especially when it comes to work) to this present day. Do you realize that if not for the physical resources that are the result of mining and mineral resources, our society would have fared much worse? As we all were forced to pivot by connection through technological means, the lynchpin to successfully pulling that off

were the physical elements that can ONLY come from mining and mineral resource industries. Consider that just the copper alone in a modern data center is mind boggling in terms of the amount that is required (in your search engine type “how much copper is in a data center”) and without it, we’d be not only be much less connected, but the economic consequences would be disastrous from the lack of effective resources to make things “go” in our modern lives. It is worth noting that MMEF’s funded education coordinator, Chris Earnest at the UofA, deftly adapted and then navigated the change from in person learning to connecting through technology. It is ironic that through this very trying historical event that we have become more effective in reach and scope of our education mission. It is also very apparent that we are most fortunate to have such a talented person interacting with and educating the younger generations in our communities with the support of the MMEF. As usual, this time of year involves the time-consuming labor of love process of evaluating and then sorting through the many worthy candidates who will make up this year’s slate of honorees at the 42nd annual American Mining Hall of Fame Banquet and Fundraiser. Simultaneously, the MMEF is also undertaking the significant task of re-evaluating and updating our strategic plan to both expand on our mission and stay relevant with the many ways our world has changed over the past few years. As an organization, we strive to be the best possible stewards of the resources that are provided to the MMEF and therefore are assessing the most impactful methods to capitalize, improve upon and then build out on the successful template that has been established. Of course, an effort of this sort typically requires additional resources as we at a point of high utilization and impact at our current levels of support. For those of you who have already joined us in our educational mission, we are very grateful! For those who are considering how you can join in helping us in our mission of educating the public about the importance of mining and mineral resources, please consider becoming a member of the MMEF, sponsoring the Hall of Fame banquet, attending the event in person or... all the above. This year's event will be at the beautiful Westin La Paloma resort in early December. Please consider attending, you will be glad you did!



Hall of Fame Chair , Robin Barnes
Land Manager, Hudbay Copper World



I am honored to serve as this year’s Hall of Fame Chair for the Mining and Mineral Education Foundation. This year we are moving the Hall of Fame Banquet to the La Paloma Resort. Change is good! I am also excited by the number and quality of candidates that have been nominated to receive awards at this year’s banquet. The outreach program we sponsor through the University of Arizona continues to grow and expand, due to the success of our annual banquet and the incredible work being done by Tom Aldrich, our executive director, and our members, who volunteer as Governors of the Board and on other various Committees. Finally, I would like to send a

resounding shout out and thank you to Chris Earnest, our Outreach Coordinator, who is doing a fabulous job of continuing our mission of educating students and the public throughout the state about mining and mineral resources. We are truly blessed to have him in our corner.

WOMEN'S HISTORY MONTH

EDUCATION - EMPOWERMENT

In March we celebrate the social, economic, cultural, and political achievements of women. The Mining and Minerals Education Foundation is very appreciative for the wonderful leadership from outstanding women who are presently serving on our Board of Governors.



Kathy Arnold



Jean Austin



Robin Barnes



Amanda Best



Fiorella Giana



Rebecca Martinez



Monica Salguero



Deb St. Aubin



School of Mining & Mineral Resources

OUTREACH CORNER BY CHRIS EARNEST



Mining and Mineral Resources presentations blossom with the warm weather!



17 Arizona teachers participated in the inaugural Arizona Science Teachers Mining and Mineral Resources Workshop at SME MineXchange 2024 in Phoenix, AZ.

This spring, the outreach program sowed some new initiatives, fertilized continuing programs, and continued presenting throughout Arizona. The outreach team worked hard to support teachers and students in their classrooms, at STEAM events, and with new materials. These developments were all possible thanks to the support of the Mining and Minerals Education Foundation. Read on to discover what

your support made possible. In February, the outreach program teamed up with the Minerals Education Coalition (MEC) and the Arizona Science Center to develop a full day teacher workshop during the annual MineXchange conference. Kal Mannis, at the Arizona Science Center, contacted Akudo Nwokeukwu from the MEC and Chris in November to propose a workshop hosted during the conference with the goal of introducing teachers to the Mining Industry. The organizing committee, chaired by Chris, worked with teacher participants to design a workshop tailored to the needs of the teachers. The day started with a hands on presentation about mining's connection to green energy by Wendi Cooksey. The teachers then got their hands busy at four activity stations which introduced various mining centered activities for them to take back to their classrooms. Lunch was accompanied by a career panel, during which teachers had a conversation with three mining leaders about how their students could get involved with the industry. The day wrapped up with a tour of the MineXchange exhibit hall guided by young mining professionals. The workshop was a success and has already served as a model for similar workshops hosted at state SME chapter conferences. The first of these will be hosted by Lisa Rudstrom in April at the Minnesota SME Chapter Conference. If you want to learn more about the workshop, watch out for the article about it in the April 2024 edition of "Mining Engineering."



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Outreach Corner Cont.



John and Sofia once again enjoyed the spring weather at Family SciFest at the Tucson Children's Museum on February 17th.

The number of presentations and STEAM events continues to grow with each passing spring. With Chris, John, Sofia, and Carter finding large crowds at both school and community events. SciFest is one of the Tucson Children's Museum's longest running and most popular event and our interns John and Sophia explored with students how much fun mineral resources are. This year the outreach booth at Science City on March 9th and 10th, part of the Tucson Festival of Books on the UArizona Mall, was busier than ever. Over 750 community members and students stopped by the booth to try their hand at refining their own copper and discovering what minerals are used to create every day objects. The

outreach program is grateful to have had the help of Koseku Buzgabe, Jodi Banta, Mario Muñoz, and Xenia Garcia from the School of Mining and Mineral Resources and the Department of Mining and Geological Engineering during the busy weekend. Thanks to their assistance, the outreach program was able to provide the curious public with factual information about mining in Arizona.

Sofia, John, and Mario introduce members of the public to how mining makes their lives better during the Science City event.





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Outreach Corner Cont.



Sofia, Carter, and John help students at Red Rock Elementary School discover how minerals build their world



Over 150 High School students from Southern Arizona tried their hand at refining copper during SHPE's Alex Day at the University of Arizona.

Other presentations and events this spring included STEAM nights at various schools from Nogales to Mesa, classroom presentations all over the state, supporting the Society of Hispanic Professional Engineers (SHPE) UArizona student chapter, and running the education table at Mining Day at the Capitol. Support for the program at the state and university levels is growing every day. But it is thanks to the Mining and



Minerals Education Foundation that Chris, John, Sofia, and Carter are able to keep doing what they love; bringing wonder and excitement about mining to students in Arizona. We could not do this without the Foundation and are excited to share all the great things that you all make possible.

Over 100 elementary school students explored the world of mining and mineral resources at the Arizona Mining Association's Mining Day at the Capitol event on Wednesday, March 27th in Phoenix, Arizona.

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MEMBERS' CORNER

STRATEGIC PLANNING MEETING



Date: Tuesday, April 02, 2024
Time: 1:00 p.m. — 4:30 p.m.
M3Engineering



HALL OF FAME COMMITTEE MEETING



Date: Wednesday, April 08, 2024
Time: 3:30 p.m. — 5:30 p.m.
M3 Engineering and via ZOOM



RSVP: admin@miningfoundationsw.org
or 520-577-7519

87% of our Members have renewed! Have you.?
Just 18 more to go. Let's get 'er done.

Annual membership renewal is past due.

If you have not yet renewed, please renew online or send your payment to the Foundation Office.

Become a Member (miningeducationfoundation.org)

Thank you all for your support of the MMEF. Help us get bigger and stronger and healthier.

Go out and find a new member.

The Outreach Program needs your support!

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MMEF



It was a good turn-out for the Annual meeting which was both in-person and virtual using the Teams platform on February 13 with 32 members and 9 guests attending. In addition, 17 of 24 members of the 2023 Board of Governors attended and 17 of 24 members of the 2024 Board were in attendance.

We said thank you to Rod Woodcock who was leaving the Board, and welcomed new member, Fiorella Giana.

We had presentations from a number of mining companies including ASARCO LLC, Freeport-McMoRan - Sierrita, Hudbay - Copper World Project, Florence Copper, KGHM Carlota Copper, Arizona Sonoran Copper and Resolution Copper.

We also heard from our Affiliate Associations including UA School of Mining & Mineral Resources, UA Global Mining Law Program, Mining History Association, SME Tucson, Arizona Geological Society, Arizona Geological Survey, AMIGOS, U of A SME Student Chapter, Young Mining Professionals—Arizona, Women in Mining - Arizona Chapter, SABC and National Mining Hall of Fame & Museum.

The Foundation is in good fiscal shape and is experiencing good results from the upturn in the stock market.

Chris Earnest reported on the Outreach Program and its successful year.

Donations to organizations were at an all time high with over \$167,000 being distributed over the year.

28th Annual SME Operators' BBQ

Saturday, April 20· 10am - 3pm MST, San Xavier Mining Laboratory 6200 W. Ocotillo Ranch Rd. Sahuarita, AZ 85629

Come to the 28th Annual UArizona SME Student Chapter Operators' BBQ!

- This is an event held every year to bring students, MGE faculty, industry professionals, and their families and friends together.
- New UA SME officers will be officially appointed, and an update on chapter activities will be given.
- Tours of the underground student mine will be provided and a small mining games competition will be held.
- Food and activities will be provided. **Free Admission thanks to sponsors.**
- For more information go to [28th Annual University of Arizona SX Operator's Barbecue Tickets, Sat, Apr 20, 2024 at 10:00 AM | Eventbrite](#)

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LEGACY FUND

MINING EDUCATION LEGACY FUND

New Ways to Give!

MMEF has established a fund in partnership with the [Community Foundation for Southern Arizona \(CFSA\)](#) as a philanthropic resource to help us accomplish our mission. The goal of the fund is to be able to fully fund a minimum of one Outreach Coordinator annually and in perpetuity. CFSA has the infrastructure and expertise to accept current or estate gifts on behalf of the MFSW.

You may make a gift at any time designated for **the MMEF** and you will receive a letter acknowledging your gift for tax purposes.

Current Gifts Include:

- Cash
- Credit Card
- Securities
- Life Insurance
- Tangible Personal Property
- Real Estate
- Individual Retirement Account Distribution (QCD)

Planned Gifts Include:

- IRA Beneficiary Designation
- Will or Trust
- Charitable Remainder Trust
- Charitable Lead Trust
- Life Estate



Want to learn more?

CFSA staff members are available to meet one-on-one with you at no charge to have a confidential conversation about your giving options. Please contact Kelly Huber, Vice President for Philanthropy at the Community Foundation for Southern Arizona, at 520-209-2858 or [Tucson Charitable Giving - Community Foundation for Southern Arizona \(cfsaz.org\)](#) for more information.



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School of Mining & Mineral Resources

SOCIAL LICENSE SUMMIT AGENDA

Thursday 8 AM - 5:30 PM
April 25 The University of Arizona

- 8 AM - 9 AM** Coffee & Registration, Opening Remarks, Sponsor's Address
- 9 AM - 9:45 AM** Keynote with Todd Chapman
- 9:45 AM - 4:30 PM** Presentations and Lunch
- 4:30 PM - 7:30 PM** Wrap-Up Round Table and Attendee Reception

To register, use the link below.

[Home - Mining Social License Summit \(cvent.com\)](https://cvent.com)



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