2024 American Mining Hall of Fame Slate of Honorees

Main Inductee:
Mark Cutifani
Chairman, Energy Transition Metals Board
Vale Base Metals

Medal of Merit:
Ihor A. Kunasz
World-renowned lithium expert

Medal of Merit under 40
Jack Lundin
President and CEO
Lundin Mining

Industry Partnership
Women In Mining—USA

Special Citation
Mila Besich
Mayor of Superior, AZ

2024 Hall of Fame Chairman—Robin Barnes

We are well on our way in preparing for this year’s American Mining Hall of Fame Banquet at the Weston La Paloma Resort. I am excited to share that we have picked 9 honorees who represent a broad spectrum of the individuals and organizations that make up our mining and minerals resource industry from executives, engineers, geologists, prospectors, to educational and local community supporters. Our award recipients are Mark Cutifani – 2024 Inductee, Ihor A. Kunasz – Medal of Merit, Jack Lundin – Medal of Merit under 40, Women in Mining – Industry Partnership, Mila Besich, Mayor of Superior, Arizona – Special Citation, as well as Mining Past Honorees James P. Lindsey, Mary Cathleen Gortner, John M. Callow, and Richard Graeme. As a reminder, please consider asking one of your co-workers or associates to become a member of the Mining and Mineral Foundation to assist us in continuing our outreach program and mining educational journey.
James P. Lindsey (1843 - 1910) is remembered for his discovery in 1878 of rich copper deposits now known as the Lone Star mining district of Graham County, Arizona. He christened his lode claim the “Lone Star of Texas.” It would take Lindsey some 20 years of patient prospecting and development to finally realize a profit on the Lone Star property. In 1899, Lone Star was sold to a New York firm for what in today’s equivalent would be well over $400,000. This is now the site of Freeport-McMoRan’s Safford open pit copper mine.

Mary Cathleen Gortner (1851 - 1917) noticed an interesting rock formation showing pure gold laced in quartz in September of 1891. Consequently, she became the first woman in the Cripple Creek District to discover gold and strike a claim in her own name. She owned the mine and relied on her son who kept an office at the mine. Being superstitious, the miners would scramble up out of the tunnels whenever she was on site.

John M. Callow (1867 – 1940) was a British mining engineer and metallurgist. In 1925, he was awarded the Douglas Medal by the American Institute of Mining and Metallurgical Engineers for achievements in non-ferrous metallurgy. He is best known for the invention of the Callow flotation machine, one of the leading flotation machines for the first few decades of flotation. awarded the Pioneer of Reclamation Award by the American Society of Reclamation Sciences in 2003.

Richard Graeme (1941 – 2021) served in senior positions with several companies including Lumina Copper SAC and Gold Fields La Cima in Peru; Gold Fields Venezuela; Gold Fields Ghana, Ltd; Sharon Steel Natural Resources in Denver; and Golden Queen Mining Company in Mojave, California. A native of Bisbee, Arizona, Graeme’s interest as a mineral collector started in his youth. Graeme worked as an underground miner at Bisbee for a dozen years. He graduated from The University of Arizona in 1972 with a BS in Geological Engineering. The mineral Graemite was named in his honor in 1975, as the discoverer of this material in 1959.

Plan to join the Mining Weekend (12/7-12/9/24) cohosted by MMEF, SME Arizona Conference, UA SME Students and AMIGOS. More info still to come.
MESSAGE FROM PRESIDENT, SHAWN HAMILTON

Greetings! The hard work of selecting the 2024 Honorees has been completed and the interest in the 42nd annual American Mining Hall of Fame Banquet has been incredible! We both humbled and grateful for the outpouring of support for both sponsorships and ticket sales that has been received thus far for the 2024 event at the Westin La Paloma resort on December 7th. Thank you to all the companies and individuals who have come alongside the MMEF and aligned with our mission to educate the younger generations about the critical importance of mining and minerals in our everyday lives. For most of us reading this newsletter, we take it for granted that our fellow citizens understand the role of mining and minerals, but regrettably this is not the case. Fortunately, awareness is slowly starting to increase with the expanding emphasis on green energy along with the technological dependance and advances to make everything "go" in our society. These factors help create terrific opportunities to reach and educate our younger citizens about the foundational support that mining and mineral resources provide for all of these technological advances that allow our society to function to the level that it does. Please consider telling a friend about the MMEF and also consider how you might come alongside us through becoming a member, which is one the pillars of financial support for Foundation, along with sponsorship and attendance of the Hall of Fame banquet on December 7th. Please mark your calendars to attend, we look forward to seeing you there! Have a wonderful fun filled summer!

HALL OF FAME MEETING

Date: Wednesday, June 12, 2024
Time: 3:30 p.m. — 4:30 p.m.
Place: M3 Engineering and/or via Zoom
RSVP: admin@miningfoundationsw.org or 520-577-7519
An Exciting Spring, Congratulations to John, Forward to Summer

Students across the state of Arizona are eagerly counting down the days until their summer break. In the meantime, the outreach program has been busy helping those students discover the importance of mining and mineral resources. At this point in the year the outreach program has reached over 6400 students with hands-on activities in the classroom and at STEM fairs at their schools. The end of the school year also brings a congratulatory farewell to long time outreach assistant John Gengler while the June peaking around the corner waits in anticipation for a new event for educators. Read on for the details.

As state testing wrapped up in April the outreach program stepped in to provide great hands-on activities to cap off the school year. Among all of the presentations and events some of the highlights were when we joined youth leaders at their Defenders and Leaders of Tohono O’odham land and water rights workshop on April 20th to demonstrate mineral processing technologies used by the ASARCO Mission Mine. We then cheered the high school engineering teams at SARSEF’s Racing For the Sun event on April 27th.

On May 3rd we once again travelled to Jefferson Elementary School in Mesa to help elementary school students discover the rewarding career of metallurgy.

High School engineering teams take a break from Racing the Sun to learn about mineral resources and the exciting opportunities in mining engineering from MGE student Micah Perrin.

Chris and Sofia help the 3rd and 4th graders at Jefferson Elementary discover how metallurgists get to spend their days in the lab, the plant, and the mine to take rocks apart!

“Wait, you can do that?” – 3rd grade student
And we supported Arizona students who travelled from all over the state to participate in this year’s Mathematics Engineering Science Achievement (MESA) Day held at the University of Arizona on May 4th. When the dust finally cleared and the end of the semester was upon us, the outreach team bid a fond farewell to our veteran student outreach assistant John Gengler. Congratulations John! We thank you for the amazing four years of service to the outreach program. Among his many accomplishments for the program, John was instrumental in helping the program develop virtual materials, created a memorable prize for student when he found a creative way to attach labels to mineral samples using resin, and, through it all participated in over 100 events while talking to 7000 students. The outreach program is thankful to John for his help the past four years, and to the Mining and Minerals Education foundation for providing the support for his position. John hopes to go into the mining industry, so we wish him well in his job search.

John Gengler is ready to go for his second to last outreach event at Sonoran Foothills K-8’s STEM on May 2nd.

Congratulations on your graduation John!
But the show must go on! This coming summer the outreach program is busy preparing for two great events. The first is in conjunction with the Mining and Geological Engineering department and the College of Engineering. We are again hosting a Mining Engineering session of the Summer Engineering Academy. This year we will host four in-person camp days. Two in June and two in July. We are looking forward to welcoming over 150 campers to some great activities exploring mining engineering, metallurgy, and geotechnical engineering at the San Xavier Underground Mining Laboratory. The summer engineering academy will take place June 13th, June 18th, July 11th and July 18th.

The second big summer event is brand new! A professional development workshop for teachers called “Cu at the Mine: Mining and Minerals Education for our Green Energy Future.” The event will be hosted June 24th to the 27th by the outreach program at the University of Arizona and will see thirty middle school and high school teachers join us for four days of learning about mining, classroom activities, mine tours, and lesson planning. At the end of the workshop each teacher will produce a standards-based lesson plan that will be made available for teachers all over Arizona to use. The workshop organizer is Dan Moreno, a graduate associate working with the outreach program. Dan is a former high school science teacher pursuing his PhD in Education and has poured his amazing talents into making the workshop a success. This will be a very exciting summer and we are looking forward to sharing the results of the workshop with everyone once it is complete.

It has been a great finish to the school year and the outreach program looks forward to what the next school year will bring. But we can’t do it alone. Fortunately for the program, we have the support of the Mining and Minerals Education Foundation. It is thanks to the efforts of the foundation members that the outreach team is able to speak to so many students. Thank you! We can’t wait to share what we do next.

Do you know a teacher who is interested in participating in the “Cu at the Mine: Mining and Minerals Education for our Green Energy Future” workshop? It will be hosted this summer from June 24th to June 27th. Please have them contact Chris at earnest@arizona.edu.

Access our outreach videos our [YouTube Channel](#).

Check out what’s been going with the Engagement Program

[https://minerals.arizona.edu/engagement](https://minerals.arizona.edu/engagement)
Fiorella Giana  (Term expires 2027)

Fio attended college at Missouri University of Science and Technology in Rolla, Missouri and was awarded a BS in Mining Engineering. Upon graduation she joined Phelps Dodge (acquired by Freeport-McMoRan in 2007) at Chino Mines as an entry level Mine Engineer. She subsequently transferred to Morenci and became the Chief Engineer. In 2014 she was named Mine Manager at Bagdad and was honored by the MMEF in 2015 with a Medal of Merit under 40 award. After a four year stop in Peru, she returned to Freeport-McMoRan’s headquarters in Phoenix as the Director of Business Transformation and in 2022 was appointed as General Manager—Mining at Morenci.

Ylena Cota 2024 Pima JTED Scholarship Winner

Ylena Cota was awarded the 2024 Mining And Minerals Education Foundation (MMEF) Scholarship for $1,000. Cota is in the JTED Engineering Program. Since 2020 MMEF has donated to The PIMA JTED Foundation for scholarships to be given to students pursuing further education in a course of study which supports the mining. In addition, MMEF donates funds to PIMA JTED to go for needs of students and programs in mining-related programs for items such as steel-toed boots, equipment for the programs, etc.
Help us get bigger and stronger and healthier!
Go out and find a new member!
Ask a business associate or convince a friend.

90% of our Members have renewed! Have you?
Just 14 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!
## 2024 Donations

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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

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.