



MINING FOUNDATION OF THE SOUTHWEST
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CONCENTRATES

December Awards Banquet to Induct the 2020 Honorees

Lukas Lundin, Chairman, Lundin Group of Companies 2020 Inductee



Lukas Lundin is head of the Lundin Group of Companies, global leaders in the mining and oil and gas industries. A well-known and respected business leader, financier and philanthropist, Mr. Lundin has enjoyed international success in the resource industry, spearheading numerous world-class discoveries and developments worldwide.

Founded over 40 years ago, the Lundin Group of Companies today has 14 publicly-traded companies actively involved in the exploration, development and production of oil and gas, copper, zinc, nickel, lead, gold, solar energy, uranium, and diamonds. Over the years, Mr. Lundin has been instrumental in the realization of extraordinary value for his shareholders through exploration and development success, takeovers and multi-billion dollar mergers.

Early in his career, as President of International Musto Exploration Limited, he was responsible for the acquisition of the world-class Alumbrera copper/gold deposit in Argentina. He spearheaded the \$510 million takeover by Rio Algom and North Limited providing shareholders enormous return on investment. Alumbre-ra went on to become one of the largest copper/gold mines in the world.

Continuing his success in Argentina, his team discovered the multi-million ounce Veladero gold deposit which resulted in a \$300 million takeover by Homestake. Veladero went on to become one of the top producing gold mines in the world.

He subsequently acquired the Tenke Fungurume copper/cobalt project in the DRC. This enormous project was at that time the world's largest undeveloped copper/cobalt project and went on to be developed by Freeport-McMoRan and Lundin Mining, commencing production in 2009. The project was sold to BHR Partners in 2017 with Lundin Mining's share bringing in \$1.8 billion to the Company.

More recently Lundin Gold acquired the Fruta del Norte gold project in Ecuador from Kinross. It is now an award-winning, multi-million ounce producing gold mine.

Today, his companies are active around the world advancing new copper/gold discoveries towards production, building new gold mines, producing copper from world-class mines, developing a rich new uranium discovery and producing some of the largest gem quality diamonds ever found. Mr. Lundin is a graduate of the New Mexico Institute of Mining and Technology (engineering).

LUNDINGROUP

Emily King
Chief Executive Officer
Global Venture Consulting
2020 Medal of Merit Recipient



King is the CEO of Global Venture Consulting and Founder of Prospector, a new search engine for the mining industry.

Prior to founding Global Venture Consulting and Prospector, Ms. King was the Director of Natural Resources for an economic development task force in the U.S. Department of Defense (DoD). In this role, Ms. King oversaw a \$40 million per year mineral resource exploration and investment promotion for the Pentagon, in partnership with the Afghanistan Government and the U.S. Geological Survey. Her team conducted exploration on fifteen mineral deposits throughout Afghanistan and tendered four copper and gold exploration assets. For her leadership of this program, Ms. King was awarded the Secretary of Defense Medal for Outstanding Public Service and the Global War on Terrorism Award.

Global Venture Consulting (GV) is a natural resource consulting firm specializing in bringing technology solutions to emerging and frontier markets with a focus on Afghanistan and Central Asia, the Middle East, and North Africa. Since 2013, GV has worked with clients and partners to accelerate innovation and incorporate disruptive technology into the collection and interpretation of geologic data.

Most recently after seeing a glaring need for a way to digest publicly available but extremely cumbersome technical data on mining projects, King founded Prospector to present the results in a highly intuitive and searchable interface. Prospector turns this unwieldy data into market intelligence contained within a user-friendly search engine that even non-traditional mining investors can use and understand – putting a list of global mineral assets that fit investors' investment criteria at their fingertips.

In July of 2020, Prospector was acquired and became a wholly-owned subsidiary of Analog Au, a private mining investment company with projects in Mexico. With the acquisition, Ms. King will continue to lead Prospector as Chief Innovation Officer of Analog Au.

King holds leadership positions in industry organizations and at the board level, including the Afghanistan Mining Think Tank, Women in Mining USA, and Director of VVC Exploration.

King earned a Degree in Geology and Government & Legal Studies from Bowdoin College. She is co-author of scientific publications including: "A Major Light Rare – Earth Element Resource in the Khanneshin Carbonatite Complex," "Southern Afghanistan; Summary of the Kundalan Copper and Gold Area of Interest," and a "Summary of the Zarkashan Copper and Gold Area of Interest," and has contributed to articles for Economic Geology and Geology for Investors.



Jonathan Jazwinski

Mine Operations Manager, Morenci

Freeport-McMoRan

2020 Medal of Merit Young Professional Recipient



Jonathan (Jaz) Jazwinski holds a Bachelor of Science Degree in Mining Engineering from The University of Arizona. He began his career with SRK Consulting in 2003, as a Field Engineer on the BHP Closure Project in San Manuel, Arizona.

With copper on the rebound, he moved on to Freeport-McMoRan's Sierrita Operation, working as a Mine Engineer and Mine Operations Supervisor. He had the opportunity to work in a variety of roles including construction and demolition projects, mine planning and in leadership. In 2011, he was promoted to Chief Mine Engineer and then Mine Operations Superintendent at the Bagdad Operation.

Continuing his upward career path, Jazwinski was then transferred and promoted to the Morenci Mine as Mine Planning Manager in 2015. He quickly advanced to Mine Operations Manager in 2016 where he and his team lead 1100 employees at the largest open pit mine in the United States in terms of annual production. Earlier in 2020, the mine was operating 141 haul trucks (260ton) and 13 electric shovels and was responsible for moving 900,000 tons per day and producing a billion pounds of copper per year.

Born in Phoenix, Arizona, Jazwinski attended Brophy College Preparatory where he excelled in Math, Chemistry, Physics and English (writing). Outside of school, he played guitar, was active in mountain biking and developed his love and passion for weight training which continues to this day. He met his wife, Eva, at The University of Arizona and they began their married life together in Tucson in 2006. While living in Bagdad, they were blessed with their two children Jenna (9) and Jacob (6).

Jonathan now resides in Morenci, AZ with his family. He is a generous blood donor with over 40 gallons of red cells, platelets, plasma, and granulocytes sent to patients in need all over the country including Phoenix Children's Hospital, Banner Cardiac Center and the Mayo Clinic.

Jazwinski is an active member of SME and serves on the advisory board of Aeris Copper. The company's mission is promoting the anti-pathogenic properties of copper to reduce disease transmission.



FREEPORT-McMoRAN

Hexagon

2020 Industry Partnership Award Recipient



HEXAGON

Hexagon is a global leader in sensor, software and autonomous solutions, putting data to work to boost efficiency, productivity and quality across industrial, manufacturing, infrastructure, safety and mobility applications. Hexagon technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Mining division is helping to connect all parts of a mine with technologies that make sense of data in real time. Driven by professionals for professionals, Hexagon offers solutions that are tailored to customer needs and delivered on their terms — short term, long term, for the life of mine.

Mining depends on precision, accuracy, and safety. Mines must find ways to integrate, automate and optimize critical workflows for a competitive edge. Now more than ever, the industry must cut costs while improving safety. Hexagon solves these challenges with proven technologies for planning, operations and safety.

Hexagon's Mining division brings surveying, design, fleet management, production optimization and collision avoidance together in a life-of-mine solution that connects people and processes. The result is customers are safer, more productive and can make sense of their data.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.4bn USD.



Hall of Fame Chairman

Andrew Soderman, Mine Manager
Freeport McMoRan, Sierrita



The 38th annual American Mining Hall of Fame Banquet is only 4 months away. Our world continues to change in response to the COVID-19 virus. I assure you that the number one goal of the Hall of Fame Committee is the health and safety of our banquet attendees. We continue to collaborate with the staff of the JW Marriott to create a healthy environment for our event. Sponsorship commitments are increasing and many event tickets have been sold. I encourage everyone to refer to the Mining Foundation's website for updates on the banquet and activities of the organization.

The foundation appreciates your continued support and patience as we work through the details for this year's banquet. Remember, your sponsorships fund the Outreach Program.



PRESIDENT'S CORNER

MESSAGE FROM PRESIDENT, Rebecca Martinez

OUR FUTURE....

Here we are in the middle of the year and like all of you know we are still dealing with high COVID positive cases, wearing face masks and maintaining social distancing. Currently, those of us with children are making choices to send our children to school or keep them at home for virtual learning. The times are challenging, and we are all learning together to stay connected and planning for our future.

The outreach program has been developing virtual lessons that the teachers can use in the upcoming school year. Due to the COVID restrictions, Chris Earnest has been working hard to mend what has traditionally been in-school presentations to virtual lessons that will keep the message alive to the future generations. Providing these virtual lessons, will aid teachers in keeping up with the curriculum for the Arizona's Academic Standards.

Please remember that sponsorships are the sole source of funding for the Outreach Program. Thank you to all our pledged sponsors and to those still waiting to donate, please know that we are counting on you to keep the Outreach program going strong.

Membership is currently at 124 members, which is down from last year. Your membership in the Foundation is tax deductible as allowed by law and through membership dues and donations, the Mining Foundation of the Southwest is able to pursue its goals.

Mining is an essential industry that supports medical, manufacturing, technology and national security. A strong mining industry will support the economic recovery. The state of the industry is looking positive. Copper, Gold, and Silver prices are all up. Mining companies and businesses are addressing the need to provide support for COVID-19 response and providing a safe work environment. Our companies have learned from the first wave of the virus how to adjust the normal workday and companies are now planning for the future as we head into the fall.

As for the future, there are many unknowns, but we do know a few things: school will start next month, the elections are coming up, and the banquet will be here before we know it. I look forward to working with our great members and the Hall of Fame committee to provide an excellent banquet. Wishing you all good health and a wonderful future.



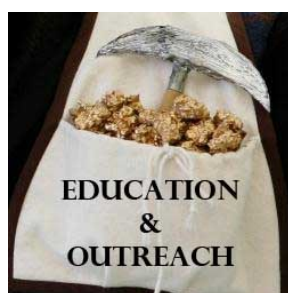
WEAR A MASK



LOWELL INSTITUTE FOR MINERAL RESOURCES



OUTREACH CORNER BY CHRIS EARNEST



The pounding monsoon rains have at last come to alleviate the summer heat and all over Arizona students and teachers are preparing to go back to school. Students and teachers will face many challenges in the next semester as they try to adapt to learning during a pandemic. The outreach program is adapting as well to provide live virtual classroom visits to schools all over Arizona. I am adapting content for these virtual classroom visits from the in-person curriculum to explore how mining builds our modern world. Students will be able to interact with their classmates, teachers, and me whether they are leaning from home or from their classrooms

without being exposed to any unnecessary risk. Once they have settled in to their new routines, teachers will be able to schedule virtual presentations the same way they scheduled in-person presentations, by filling out the presentation request form at

https://uarizona.co1.qualtrics.com/jfe/form/SV_0cDLFZRVyWC8FLf

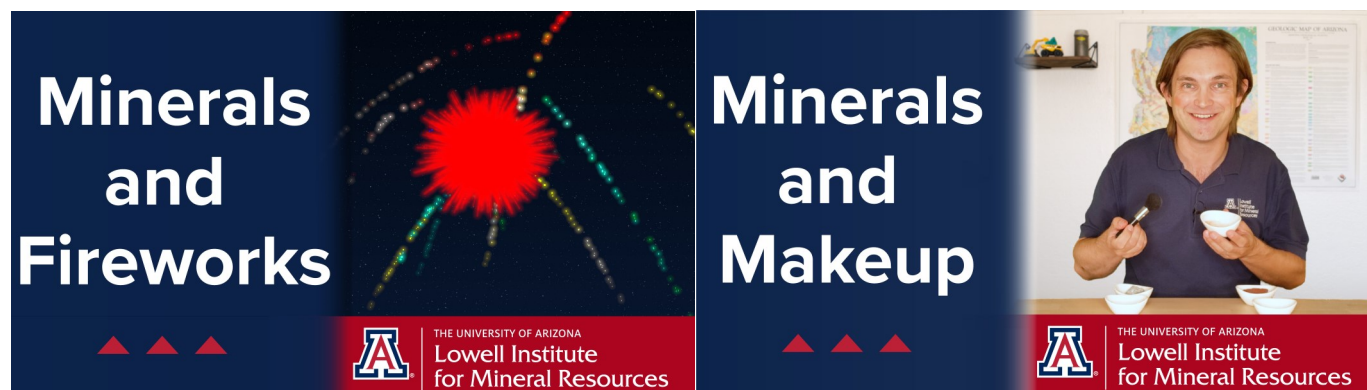
or by emailing me directly at earnest@arizona.edu

Although circumstances did not allow me to assist with the University of Arizona Engineering Summer camp this year, I have been busy reaching out to the students and teachers of Arizona in other ways. The “Minerals Make It” video series has continued with the release of “Minerals and Fireworks” and “Minerals and Makeup”. These easy to understand videos show students how minerals are used in their daily lives. Be sure to share them with the young people in your life via this YouTube playlist

<https://www.youtube.com/playlist?list=PLvezXfWkBAA6F7xlkwrDD-k1uRQAZgPm6>

You can also subscribe to the Lowell Institute for Mineral Resources YouTube channel to receive updates as soon as a new video is uploaded. https://www.youtube.com/channel/UC31u_IsY0zSA40KzLv_MHqQ

Be on the lookout for how we use tin in the next video titled “Minerals and Electronics,” which will be released soon.

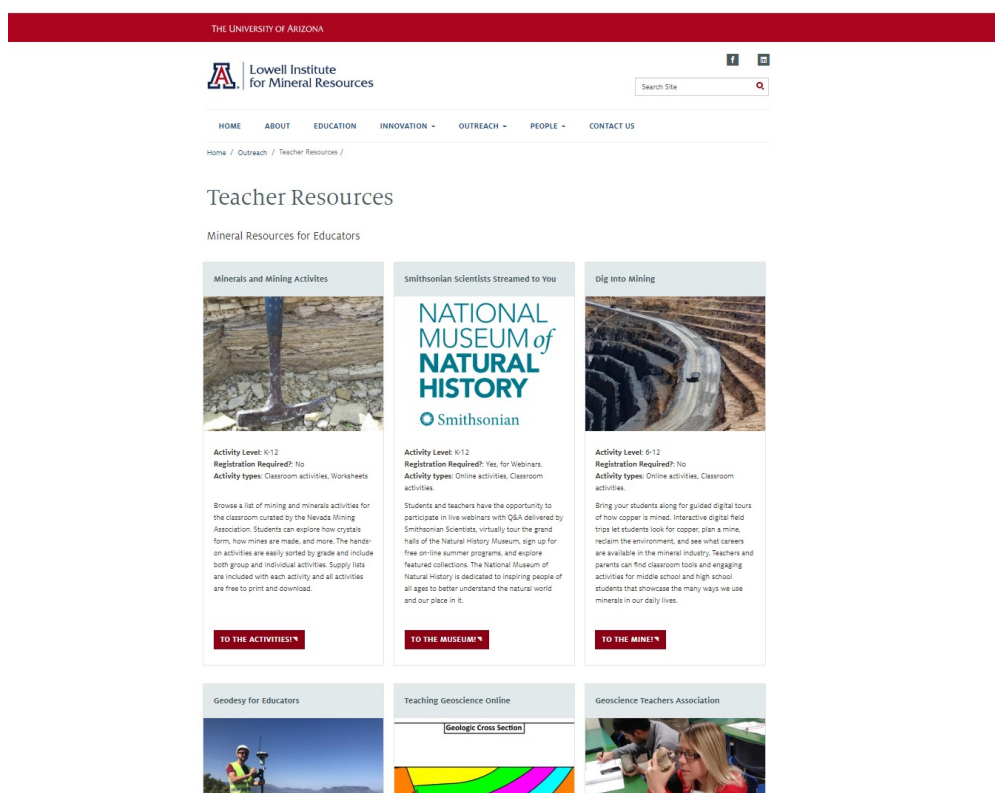




Outreach Cont.



To promote the outreach program to teachers and the public I wrote a guest blog post for the Arizona Geological Survey (AZGS) detailing the outreach program's mission and what it offers. The AZGS blog is well known amongst science educators in the state thanks to Mike Conway's tireless work. The blog post was also featured in the June issue of the Arizona Science Teachers Association (ASTA) newsletter. You can find the post at <https://blog.azgs.arizona.edu/blog/2020-05/lowell-institute-mineral-resources-bringing-minerals-rocks-and-mining-arizona>



In order to help teachers find quality resources for teaching about mining and mineral resources I have put together a "Mineral Resources for Teachers" page at

<https://minerals.arizona.edu/content/teacher-resources>

The page allows teachers to quickly find a variety of resources appropriate for the age of their students. The page is updated bi-weekly as I come across more quality resources.

The fall semester is around the corner. Many students and teachers still do not know if they will be learning in the classroom or online. Reopening plans that many districts made in June have been forced to change and may change again before the semester starts. By offering virtual classroom visits I will be able to interact with the students of Arizona wherever they are. I look forward to seeing the students of Arizona this fall and helping them to discover how mining is an essential part of their lives.



MEET YOUR GOVERNORS



Shawn is our newest Board member and has been a member of the MFSW since July 2018. He is an Arizona native and a graduate of the University of San Diego where he was a scholar athlete (basketball) and has been a Senior Account Manager for Ryerson for the past 13 years. He has 26 years of experience in a sales role for the metal distribution industry having also worked for Thyssen Krupp NA and Integris Metals where he has enjoyed serving an extensive variety of industrial and fabrication clients. He and his spouse Pam

adopted three older siblings from the Arizona foster care system in 2006 which has been rewarding and challenging in many ways. He's proud to report that they have just become empty nesters! Shawn enjoys weight training, hiking, walking his 3 crazy rescue dogs and is also an avid reader.



December 5, 2020 Hall of Fame Awards Banquet Information



SPONSORSHIP OPPORTUNITY

Sponsorships are offered at 4 levels: Diamond (\$10,000), Platinum (\$5,000), Gold (\$2,500) & Silver (\$1,000). All sponsors are recognized on the Foundation's website, press releases, banquet program and during the banquet ceremony.



TICKET SALES

Voting, Silver and Gold members in good standing are extended 2 member pricing banquet tickets at \$200 per ticket. Non-member tickets are \$250.

HOTEL RESERVATION

Attendees are extended a special room rate of \$138 + tax per night, discounted \$85 golf rate and a 20% spa only discount. The contracted cutoff date for reservations at the group rate is Friday, November 6th. More information to follow in the future.

For additional information, please go to: www.miningfoundationsw.org