

2019 MINING SUMMIT

Securing Arizona's Future as the Silicon Valley of Mining

Thursday, January 10, 2019 | 9:30 am - 2:30 pm | University of Arizona Stadium Club

WELCOME

to our Arizona mining think tank discussion
with fellow VIP industry, academic, and
government leaders



THE UNIVERSITY OF ARIZONA

**Lowell Institute
for Mineral Resources**

MINDS OVER MINERALS™



ARIZONA
MINING ASSOCIATION



AT-A-GLANCE

When: 9:30 – 2:30 pm

Followed by a networking reception from 2:30 - 4:30 pm

Where: Dan Dunlap Stadium Club

University of Arizona Football Stadium
545 N National Championship Drive, Level 6
Tucson, Arizona 85719

Take the elevator at the Steward Observatory Mirror Lab

*Parking: Cherry Avenue Garage, 1641 E Enke Drive
See page 6 for detailed parking instructions*

Dress: Business casual

PROGRAM

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AGENDA

TIME	EVENT
9:00	Registration begins
9:30	Opening remarks Steve Trussell, Executive Vice President, Arizona Mining Association and Arizona Rock Products Association
9:45	Importance of mining and the mining supply chain to the state of Arizona Keith Watkins, Senior Vice President of Economic/Rural Development, Arizona Commerce Authority Juan Ciscomani, Senior Advisor for Regional and International Affairs for Governor Ducey
10:05	Mining's significance to the public sector Francis McAllister, Vice President of Land and Water, Freeport-McMoRan
10:25	Why Caterpillar located its regional headquarters in Tucson Sudhanshu Singh, Global Product Manager, Caterpillar, Inc.
10:40	BREAK
11:00	Innovations in mining technology and sustainability
	How the UA leads mining innovation and workforce development, and connects Arizona's expansive mining ecosystem Mary Poulton, Co-Director, Lowell Institute for Mineral Resources, and Professor Emerita, Mining & Geological Engineering
	Resources Ralph Stegen, VP, Minesite Geology, Freeport-McMoRan Eric Seedorff, Director, Lowell Program in Economic Geology and Associate Professor, Geosciences

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TIME	EVENT
	<p>Remote Sensing Leon Duplessis, Chief Engineer, Technology Center-Mining, Freeport-McMoRan Isabel Barton, Assistant Professor, Mining & Geological Engineering</p>
	<p>Mineral Processing Rick Gilbert, VP Technology, Freeport-McMoRan Jaeheon Lee, Associate Professor, Mining & Geological Engineering</p>
	<p>Environment John Haynes, Head of Development and Technical Services, KGHM Julie Neilson, Director, Center for Environmentally Sustainable Mining, and Assoc. Research Professor, Soil, Water, and Environmental Sciences</p>
	<p>Social License Eric Mears, VP, Haley & Aldrich John Lacy, Director, Global Mining Law Center, and Professor, Law</p>
	<p>Safety Chris Lilley, Manager, HSE, Resolution Copper Eric Lutz, Acting Associate Director for Safety and Health, Lowell Institute for Mineral Resources</p>
	<p>Geotech Chris Bijsterveld, Business Manager, Ground Probe Brad Ross, Director, Geotechnical Center of Excellence, and Professor of Practice, Mining & Geological Engineering</p>
	<p>Mining John Lyons-Baral, Senior Applications Engineer, Hexagon Mining James Werner, Assistant Director, UA San Xavier Mining Laboratory</p>
	<p>Public service Phil Pearthree, Director, Arizona Geological Survey</p>
	<p>The significance of networking organizations for innovation Bill Assenmacher, President, Southern Arizona Business Coalition</p>

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TIME	EVENT
12:30	<p>Lunch and Innovation Exhibition <i>Attendees will have an opportunity to interact with presenters and additional exhibitors from the UA and industry</i></p>
1:30	<p>Building a world-class innovation ecosystem: Silicon Valley vs Arizona Mary Poulton, Co-Director, Lowell Institute for Mineral Resources, and Professor Emerita, Mining & Geological Engineering <i>Dr. Poulton will present a side-by-side comparison of Arizona and Silicon Valley to help illustrate what it takes to build a world-class innovation ecosystem in a specialized field, the critical role of the University, and how participants can work together to fill the gaps.</i></p> <p><i>The presentation will be followed by discussion and action planning: who needs to do what to make this vision a reality?</i></p>
2:10	<p>Closing Remarks Greg Boyce, Chair, Lowell Institute for Mineral Resources; Director, Newmont Mining; and former CEO, Peabody Energy</p>

The event will be followed by a networking reception in the same venue, from 2:30 – 4:30 p.m. All attendees are welcome to attend.

MAP AND PARKING INSTRUCTIONS

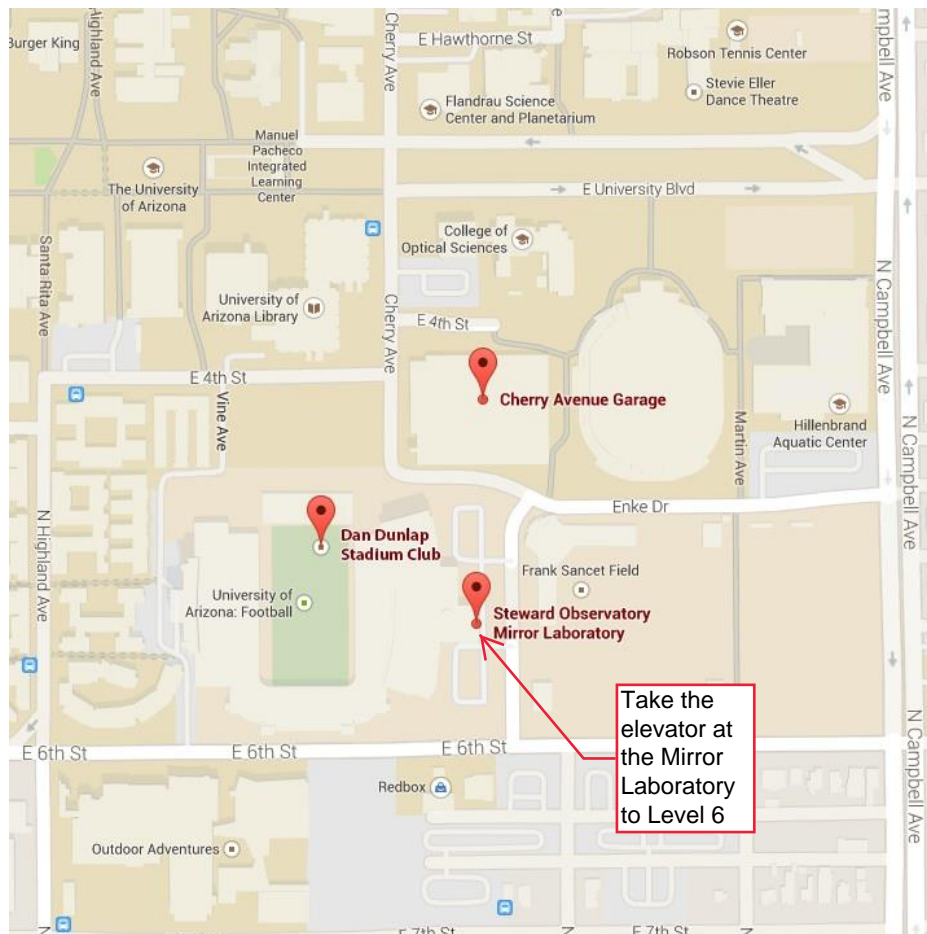
Meeting Venue: Dan Dunlap Stadium Club
University of Arizona Football Stadium
545 N National Championship Drive, Level 6
Tucson, AZ 85719

Parking: Cherry Avenue Garage
1641 E Enke Drive
Tucson, AZ 85719

(for non-UA participants) Your parking reservation is pre-paid and guaranteed so long as you RSVP'd, you park in the Cherry Avenue Garage, and you arrive before 9:30 a.m.

You may collect your pre-paid swipe card at the summit venue when you register, you do not need it to get in the garage, only out.

NOTE: in the unlikely event the garage sign says "FULL" when you arrive, pull up to the gate and press the button for the attendant. Tell the attendant you have a reservation under "**Mining Summit**" and the attendant will issue you a ticket so you may enter the garage. You will simply use the swipe card when you exit.



PARTICIPATING ORGANIZATIONS

Arizona Mining Association

Arizona Rock Products Association

UA Lowell Institute for Mineral Resources

AMIGOs

Southern Arizona Business Coalition

Mining Foundation of the Southwest

Arizona Tech Council

Tucson Metro Chamber

Freeport-McMoRan

Caterpillar

Barrick Gold

Hexagon Mining

Ground Probe

EMX Royalty

ASARCO

Newmont

Anglo

Rio Tinto (Resolution)

Modular Mining

KGHM International

Florence Copper

South32

HudBay (Rosemont)

Haley & Aldrich

Granite Construction

Lhoist N. America

CalPortland

Cemex

Drake

Arizona Materials

Arizona Governor's Office, Natural Resource Policy Advisory

Arizona Governor's Office, Arizona Mexico Commission

Arizona Commerce Authority

Arizona State Legislature – House and Senate

Key Legislative Staff Members

Natural Resource Policy Advisors House and Senate

Arizona Board of Regents

Arizona Department of Environmental Quality

Arizona State Land Department

Arizona Geological Survey

Arizona State Mine Inspector's Office

Attorney General's Office

The University of Arizona

UA Tech Launch Arizona

QUESTIONS?

Contact: Jodi Banta
Program Manager
Lowell Institute for Mineral Resources
University of Arizona
Email: jhbanta@email.arizona.edu
Office Phone: 520-621-2988
Cell Phone: 760-546-8694