



Future Innovation Needs for Responsible Mining of Critical Minerals

August 28-29, 2024
Argonaut Hotel
San Francisco, CA

Day 1, August 28, 2024

8:15 – 9:00 am	Registration
9:00 – 9:15 am	Welcome from USEA and Workshop Introduction from DOE Ryan Peay, DOE-FECM
9:15 – 10:30 am	Do the Math Dr. Morgan Bazilian, Colorado School of Mines Dr. Adam Simon, University of Michigan Tae-Yoon Kim, IEA TBD, U.S. Department of State Daan Walter, RMI (invited)
10:30 – 11:00 am	Break
11:00 – 12:15 pm	Incentivizing Long-Term Cooperation and Datasharing Dr. Brent Elliott, UT-Austin BEG Dr. Colin Williams, USGS Jordan Ciezobka, GTI Tom Erb, Office of Sen. Hickenlooper (invited) Lauren Boyd, DOE-GTO (invited)
12:15 – 1:30 pm	Lunch
1:30 – 2:30 pm	Cutting Edge Disruptive Technologies Moderator: Satish Rao, Clareo Zainub Noor, Halliburton Labs Dr. Elise Goldfine, U.S. Department of Energy – ARPA-E Dustin Angelo, Novamera
2:30 – 3:30 pm	Lessons from Other Mining Nations Alex Bertram, Government of Western Australia Dharmini Robertson, CSIRO (invited)

Magdi Habib, CanmetMINING (invited)
Ryan Lamke, DOE-IA (invited)
TBD, AROSE Consortium (invited)

3:30 – 4:00 pm

Break

4:00 – 5:00 pm

Transforming All Aspects of Mining

Moderator: Satish Rao, Clareo
Roman Teslyuk, EARTH AI
Stephen D'Esposito, Regeneration (invited)

5:00 – 7:00 pm

Poster Session

Day 2, August 29, 2024

8:30 – 9:00 am

The DOE Perspective

Grant Bromhal, DOE-FECM

9:00 – 10:15 am

Traceability

Brianna Hanson, Pathfinder Development Corporation
Catherine McManus, Materialytics (invited)

10:15 – 10:45 am

Break

10:45 – 12:00 pm

Accelerating Finance and VC Funding

Ben Cassidy, Moss Ridge
Jason Holt, Orion Ventures

12:00 – 1:15 pm

Lunch

1:15 – 2:15 pm

Community Stakeholder Development Panel

Moderator: Dr. Patrick Dobson, LBNL
Dr. Jeffrey Thompson, University of Nevada-Reno
Dr. Margo Regier, NASEM
Sophie Parker, The Nature Conservancy
Dr. Juan Picoletti, CEDHA

2:15 – 2:30 pm

Break

2:30 – 3:30 pm

Need for Speed

Judy Brown, South32
Misael Cabrera, University of Arizona

3:30 – 4:30 pm

Tailings Management

Adam Hawkins, Arizona Sonoran
Dr. Joseph Scalia IV, Colorado State University