



# Future Innovation Needs for Responsible Mining of Critical Minerals

June 5-6, 2024

Embassy Suites Boston at Logan Airport

---

## Day 1, June 5, 2024

8:15 – 9:00 am	<b>Registration</b>
9:00 am	<b>Welcome from USEA and Workshop Introduction from DOE</b> <i>Ryan Peay, DOE-FECM</i>
9:30 – 10:30 am	<b>Advanced Concepts Panel</b> Moderator: Doug Hollett & Doug Wicks, ARPA-E
10:30 – 10:50 am	Break
10:50 – 12:00 pm	<b>Detailed Characterization/Geophysics Panel</b>
12:00 – 1:30 pm	<b>Lunch</b>
1:30 – 3:00 pm	<b>Breakout Session #1 – CBP Game for Mineral Processing and Mining</b>
3:00 – 3:20 pm	Break
3:20 – 4:20 pm	<b>Cutting Edge Now: Advanced Robotics</b>
4:20 – 5:20 pm	<b>Cutting Edge Now: AI/Machine Learning</b> <i>Moderator: Grant Bromhal, DOE-FECM</i>
5:20 – 7:00pm	<b>Poster Session</b>

## Day 2, June 6, 2024

8:30 – 9:00 am	<b>The DOE Perspective</b> <i>Grant Bromhal, DOE-FECM</i>
9:00 – 10:15 am	<b>Cutting Edge Now: Biotech Panel</b>
10:15 – 10:45 am	Break

10:45 – 12:00 pm	<b>Non-Technical Challenges Panel</b>
12:00 – 1:30 pm	<b>Lunch</b>
1:30 – 2:30 pm	<b>Community and Workforce Development Panel</b>
2:30 – 3:30pm	<b>Bridging the Gap Between Past Practices and Future Paths</b> Moderator: Doug Wicks, ARPA-E
3:30 – 4:30pm	<b>Advanced Concepts Discussion (No Such Thing as Bad Ideas)</b>