October 26, 2023	
7:00 am	Registration/exhibits open
8:00 am	Keynote: John T. Boyd II, John T. Boyd Company Title forthcoming
9:00 am	Technical Session 1: ETHICS
10:40 am	Ethical Dilemmas and the Hidden Traps of Liability R. Henry Moore, Fisher & Phillips Ethics for the Consultants You Engage Gary M. Hartsog, P.E., Alpha Engineering Services Title forthcoming Edward F. Zeglen, Jr., P.E., Zeglen Consulting
	Technical Session 2: ENGINEERING PROJECTS I
	NIOSH Gas Well Research Updates: Ground Control, Ventilation, and Impacts on an Underground Mine Dr. Peter Zhang and Robert Kimutis, NIOSH Improved Productivity with Wide Head Continuous Miner and a Crawler Bunker Bolter Car System Michelle Burich, Komatsu Federally Funded Abandoned Mine Land (AML) Program Overview Eric E. Cavazza, P.E., Tetra Tech Analyzing Bolt Spacing Effects on Coal Rib Stability Through Numerical Simulation Yuting Xue, NIOSH
.2:20 pm	Lunch
	Keynote: Dr. Andrea Brickey, South Dakota Mines Career Success – Perception and Resilience
	PCMIA and student awards
2:30 pm	Technical Session 3: HEALTH AND SAFETY
	Hands-on Strategies for the Continuous Improvement of Workforce Readiness to Respond to a Mine Emergency Jason Diamond, CONSOL Energy New Mine Emergency Software Kent Armstrong, Draeger Safety Canada, Ltd Breathe Easy, Breathe Better: Clean Space Technology and the Art of Comfortable Protection Tim Costa, CleanSpace Technology USA
4:00 pm	Reception – sponsored by CONSOL Energy

October 27, 2023		
7:00 am	Registration/exhibits open	
8:00 am	Keynote: Marc LeVier, SME President The Future of Mining and the Critical Mineral Carbon Ore	
9:00 am	SME awards	
9:40 am	Technical Session 4: CRITICAL MINERALS/SUSTAINABILITY	
	Consortium to Assess Northern Appalachia Resource Yield (CANARY) of Core-CM for Advanced Materials Dr. Barbara J. Arnold, The Pennsylvania State University Recovery of Rare Earth Elements from Acid Mine Drainage Dr. Paul Ziemkiewicz, West Virginia University Recovery of Rare Earth Elements from Coal Fly Ash – Process Simulation and Systems Analysis Beatriz Dantas, West Virginia University Critical Mineral Resources from Wastes: Characterization Informed Separations from Fossil Energy Byproducts Dr. Christina Lopano, National Energy Technology Laboratory	
11:30 pm	Lunch	
	Keynote: Jamie Stilley, Amerikohl Aggregates Exploration, Development, Production, Processing, Transportation and Reclamation in the Aggregates Business at Amerikohl	
12:45 pm	Technical Session 5: AUTOMATION AND CONTROL	
	Automation of Roof Bolting in Underground Coal Mines Through Electro- Hydraulic Control Pat Willaman, Komatsu Incorporating Automation and Control into the Mining Engineering Curriculum Dr. Steven Schafrik, University of Kentucky Mine Utility Vehicle and Rubber-Tired Mantrip Lithium-Ion Battery Environmental Sensitivity David S. Yantek, NIOSH	
2:25 pm	Technical Session 6: ENGINEERING PROJECTS II	
	Mine Methane: Challenges and Opportunities Jacquie Fidler, CONSOL Energy Powering a 21 st Century Net CO2 Negative Power Plant Using Waste Coal Stephen Winter, CONSOL Energy Methane Reduction Flares Edward T. Boys, Perennial Energy	