

2023 SME/CAS Spring Meeting

Friday, April 14, 2023

WV Training & Conference Center – Julian, West Virginia

7:00 a.m.	Registration and Coffee Breaks
8:00 a.m.	Welcome
8:05 a.m.	Keynote Address – Updates from MSHA Tim Watkins, Deputy Administrator, MSHA
8:50 a.m.	Networking Break
8:55 a.m.	Experiences in the Coal Mining Industry – Data Collection to Decisions Kevin Andrews, CPG, Marshall Miller and Associates
9:20 a.m.	Pillar Design with Thick In-Seam Parting: The Benefit of the 50% Rule Mark Morris, PE, Director of Technical Support and Joe Bright, Manager of Engineering, Blue Creek/Maple, Blackhawk Mining
9:45 a.m.	Field Instrumentation and Analysis of Pillar Performance at the Maple Eagle Mine Morgan Sears, PhD, Mining Engineer, NIOSH
10:10 a.m.	Networking Break
10:35 a.m.	Insights Into the Relationships Along the Roof, Rib, Floor, and Pillars of Underground Coal Mines Ted Klemetti, SME Henry Krumb Lecturer and Lead Research General Engineer, NIOSH/PMRD
11:00 a.m.	2nd Mining Utilizing “Slices” Method Developed by NIOSH James Sumner, Director of Process Improvement, Arch Resources/ICG Beckley
11:25 a.m.	Paint Creek Shaft – Miscellaneous Challenges Les Davis, PE, Senior Mining Engineer, Arch Beckley
11:50 a.m.	Ventilation Modeling: Using ICAMPS with AutoCAD/Carlson Jacob Elkins, MBA, Ventilation Engineer, Arch Resources Beckley
12:15 p.m.	Lunch
1:15 p.m.	When is the Right Time to Plan to Go Underground? Bob Archibald, PE, CEO, Q4 Impact Group
1:40 p.m.	Overview of Environmental/Geophysical Sensors with Case Studies Mark Taylor, Environmental Services Manager, Sauls Seismic
2:05 p.m.	Longwall Panel Geological Evaluations Quintin Justice, PE, Buchanan Mine Engineer, Coronado
2:30 p.m.	Ventilation Air Methane Regenerative Thermal Oxidation Study Kevin Elkins, PE, Senior Project Engineer, Coronado/Buchanan Mine
2:55 p.m.	Networking Break
3:20 p.m.	Ventilation Air Methane (VAM) Catalytic Oxidation-An Opportunity for Abatement of Low Concentrations of Methane from Coal Mine Exhaust Michael Karmis, PhD, PE, Managing Member and Daniel Stinnette, PE, Michael Karmis LLC
3:45 p.m.	The Revolution in Mapping Applications in the Mining Industry – The Advent of Drones and LiDAR Marshall Robinson, PS, Allegheny Survey
4:10 p.m.	Development Mining Near Oil and Gas Wells Christopher Snyder, MSHA
4:35 p.m.	Automating Underground Room and Pillar Mining Machines Steve Schafrik, PhD, Zach Agioutantis, PhD, PE, Joe Sottile, PhD, University of Kentucky
5:00 p.m.	Adjourn