2023 SME/CAS Spring Meeting

Friday, April 14, 2023

WV Training & Conference Center – Julian, West Virginia

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| 7:00 a.m. | **Registration and Coffee Breaks** |
| 8:00 a.m. | **Welcome** |
| 8:05 a.m. | **Keynote Address – Updates from MSHA**  Scott Mandeville, Special Assistant, 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 Mark, 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** |