

## Colorado School of Mines SME Presentations

**Tuesday, February 23<sup>rd</sup>**

Room 229B 9:45am “Optimization of Gob Ventilation Boreholes Completion Parameters” S. Saki, J. Brune, G. Bogin, J. Grubb, R. Gilmore and S. Lolon

Room 131C 10:45am “The Cornish Mining Legacy: Technology, Chorals, Pasties and Wrestling” C. Anderson

Room 128B 9:45am “Geology of the Marigold Deposit, Battle Mountain trend, Nevada: New Exploration Insights for Sedimentary-Rock Hosted Gold” E. Holley, M. Fithian and J. Carver

Room 122A 10:45am “Solving Stochastic Mine Production Scheduling Problem” K. Dagdelen, A. Van Dunem and C. Aras

Room 122B 9:20am “Influence of embankment loading on the hydro-mechanical response of a lined tunnel in saturated ground” S. Prassetyo

Room 229B 2:25pm “Face Ignitions in US Coal Mines and Prevention Technologies.” A. Verma and J. Brune

Room 226A 3:25pm “Managing Risks from Artisanal Mining Through Industry-University Collaboration” N. Smith, J. Smith, B. Teschner and Z. John

Room 131C 3:40pm “Resistance of Mine Stoppings and Construction Challenges in Reiche Zeche Mine” A. Mull, H. Mischo, J. Weyer and J. Brune

Room 122C 2:17pm “Valuation Technique During High-Velocity Pricing Change” A. Schissler

Room 127B 3:25pm “Producing Structural Concrete while Using Mine Tailings as a Substitute for Fine Aggregate” J. Bray

Room 125B 2:25pm “Water Quality of Reiche Zeche Teaching Mine, Freiberg, Saxony, Germany” V. Zhiteneva, H. Mischo, J. Brune, J. Weyer and A. Simon

Room 228A 2:05pm “Selective sulfation roasting of rare earths from NdFeB magnet scrap” B. Carlson and P. Taylor

Room 228A 2:45pm “Carbochlorination of Cerium and Neodymium Oxide” A. Anderson and B. Mishra

Room 228A 3:05pm “Effect of Reduction Roasting On Beneficiation of Low Grade Iron Ores by Magnetic Separation” V. Ravi Sankar, V. Rayasam and P. Kumari

Room 228A:25pm “ Laboratory Methods to Evaluate Double Refractory Gold Ore Roasting” P. Taylor, B. Fosu and J. Friesinger

**Wednesday, February 24<sup>th</sup>**

Room 225A 10:05am “Importance of carbon dynamics during acetate stimulation of uranium bioremediation” L. Figueroa and M. Dangelmayr

Room 225A 10:25am “Assessment of Environmental Impacts Associated with Artisanal and Small-Scale Mining in Suriname” T. Borrillo-Hutter

Room 221A 9:45am “Optimizing Feeder Movements at a Quarry” A. Newman

Room 221A 10:25am “Open Pit Mine Scheduling with Variants on Inventory Considerations” M. Rezakhah and A. Newman

Room 228B 9:25am “Selective Reduction and Separation of Europium from Mixed Rare-earth Oxides from Waste Fluorescent Lamp Phosphors” M. Strauss

Room 232A “Acid-Bake-Leaching of Samarium-Cobalt Manufacturing Waste” C. Stanton and B. Mishra

Room 232A 10:25am “Fundamentals of Monazite Floatation with Hydroxamic Acid” J. Nduwa Mushidi and C. Anderson

Room 232A 10:45am “Fundamentals of flotation with quebracho tannin” J. Rutledge and C. Anderson

Room 229A 2:25am “Explosive Gas Zone Formation in Underground Coal Longwall Bleeder Ventilated Gobs with an Adjacent Panel using CFD Modeling” R. Gilmore, J. Burne, S. Lolon, A. Juganda, S. Saki, G. Bogin, R. Zipf and J. Grubb

Room 225A 2:05pm “CFD Studies on the Phenomenon of Gob Breathing Induced by Barometric Pressure Fluctuation” S. Lolon, J. Brune, R. Gilmore, G. Bogin, J. Grubb, S. Saki and A. Juganda

Room 225A 3:45pm “Designing a CFD Model for the Development of a Dust Sampling Device (DSD)” V. Duddempudi, B. Goertz, J. Brune and G. Bogin

Room 226B 2:45pm “Passive Limestone Treatment of MIW with Low pH and High Iron” L. Figueroa

Room 131A 2:45pm “Mine Ventilation Monitoring – Comparing Best Practices in Australia, Germany and the United States” J. Brune

Room 128B 3:25pm “Implementing Mine Scheduling Optimization at an Underground Mine” B. King and A. Brickey

Room 228A 3:05pm “Measuring Mill Efficiency as a Function of Lifter Configuration and Operating Parameters in a 1 Meter Diameter Batch Tumbling Mill” T. Taylor

Room 232B 3:25pm “The Simulation and Preliminary Studies on Bear Lodge Ore Flotation” H. Cui and C. Anderson

Room 122A 2:05pm “Stochastic Open Pit Mine Production Scheduling” K. Dagdelen