

**TECHNICAL SESSION SCHEDULE**  
**Monday, September 10**

8:30 AM	<b>Opening Remarks and Plenary Session</b>		
<b>10:30 AM</b>	<b>Break</b>		
	<b>Burwell Room B (Technical 1)</b>	<b>Burwell Room A (Technical 2)</b>	<b>James River Ballroom A&amp;B (Technical 3)</b>
11:00 AM	Ryan Shipper Performance Review of a Passive Treatment System	Rich Palladino Using Foam as a Transportation Medium for Backfilling Underground Voids	Jon Smoyer The Planning and Design of Horizontal Directional Drilling for Pipeline Installation through Abandoned Mine Lands
11:30 AM	Paul Behum, Mike Sharp, Hamid(Kevin) Kahilil and Wallace Greenlees Occurrences of Artesian Net Acid Mine Drainage in the Western Interior Coal Field and Implications for Passive Treatment	David Hallman, P.E., P.G. Foamed Sand Backfilling for Subsidence Mitigation at Glenrock, Wyoming	Alden Ozment, Michael A. Trevits The Combined use of direction drilling and gas enhanced foam to mitigate and suppress abandoned underground coal mine fires
<b>12:00 PM</b>	<b>Lunch - On Your Own</b>		
1:00 PM	Rebecca Steinberg, Natalie Kruse, Nora Sullivan, Jen Bowman, Dina Lopez Mapping the Risk of Acid Mine Drainage Impairment in the Coal-Bearing Region of Ohio	Mohamad Gamal Challenges to Mine Backfilling using New Grouting Techniques in Previously Mitigated Areas	Adam Wells Innovative Reclamation Through Collaboration
1:30 PM	Richard L. Beam, P.G., Tom Malesky, P.E. Overview of Active Mine Drainage Treatment Facilities Currently Operated By the PA DEP	David Carter, Lewis Dixon LiDAR and UAV Data - Making ir EZ to Use	Maria T. Kasecky, P.E. Implementation of the 2016 AML Pilot Program in Pennsylvania: Success, Challenges and Lessons Learned
2:00 PM	William D. Neider, P.E. Utilization of an Echosounder Drone for AMD Treatment Ponds	Steve Kravits Target Drilling Directional Drilling in the Appalachian Region	Patrick M. Webb, P.E. Planning and Implementation of the 2017 AML Pilot Program in Pennsylvania
2:30 PM	Elizabeth Meredith Isotopic Identification of AMD - Groundwater Interaction	Rebecca Steinberg, Natalie Kruse, Nora Sullivan, Jen Bowman, Dina Lopez Statistical Modeling of Mine Pool Formation In Underground Coal Mines of Ohio	Autumn Coleman, Scott Graham Montana AML Establishing Partnerships Model
<b>3:00 PM</b>	<b>Break</b>		
3:30 PM	Greg Conrad AML Reauthorization: Building and Executing an Effective Legislative Strategy	<b>GEOMORPHIC WORKSHOP</b> <b>MODERATOR: Alan Edwards</b> Harold J. Hutson, PE, PG An Analysis of Cost Factors in Geomorphic Mine Reclamation	Jeffery Nuttal, Danial O'Connell, Thomas Gray, James, Turner, Mitch Isaacson Risk Characterization for Critical Infrastructure Design Engineering - Advanced Geophysical Imaging of Abandoned Underground Coal Mines and Karst Regions
4:00 PM	Michael Schultz Using Horizontal Directinoal Drilling for Acid Mine Drainage Remediation and Blowout Prevention at Two Sites in Colorado	Kurt Fleisher Geomorphic Reclamation and Landscape Heterogeneity: Results of Vegetaion Analysis and Implications for Wildlife	James Brown C-ALS Borehole Deployable Laser Scanner for Inaccessible Voids
4:30 PM	Michael C. Korb Support your Local Mine Tour	Gina Clingerman Seeding the Future: Wyoming AML Native Plants Project	Cory Gretlein Leveraging Sharpoint in the AML Workflow

**Wednesday, September 12**

	<b>Technical Session 1</b>	<b>Technical Session 2</b>	<b>Technical Session 3</b>
	<b>James River Grand Ballroom D</b>	<b>James River Grand Ballroom A</b>	<b>James River Grand Ballroom B</b>
8:00 AM	Dean R Baker, P.E. Reclamation of Abandoned Highwall in an Urban Setting	John Curley, P.E. Curry Hill - Avondale Mine Reclamation Project	Award Winner (Indiana, Chris Hostetler) Indiana AML Site 882 Snow Hill
8:30 AM	Warren "Ted" Dean Rock Slope Stability Assessment of an Abandoned Quarry for Reclamation to Recreational Use	Constance Loucks Restoring Water Quality and Brook Trout Populations in the Casselman River	Award Winner (Virginia, Lorrie Coiner) (Schnabel Engineering, Kenneth Megison) Virginia AML Site Mid-Lothian Mine Park
9:00 AM	M. J. Hughes, P.E. Advantages of Having an In-House Construction Crew in an AML Program	Daniel Werner, P.E. N. 16th St. Subsidence, Pottsville PA	Award Winner (Utah, Seth Button, Ph.D., RPA) Wolf Den Fire Reclamation Project
9:30 AM	Chris Robson Use of Drones in Mining Reclamation	Melissa Reckner State of the Kiski-Conemaugh River Watershed: 18 years later	Award Winner (Kentucky, Jim Cable, Justin Adams, Tim Rader) Joan Bernat Landslide
<b>10:00 AM</b>	<b>Break</b>		
10:30 AM	Sandra K. Holoman, P.E. Wheatley Engine Shaft Subsidence Emergency AML Reclamation Project	Michael A. Haney, P.G. Statistical Evaluation fo Bituminous Remining Projects in West-Central Pennsylvania	Award Winner (Iowa, Randy Cooney, Shive-Hatter, Chris Bauer, Luke Monat) Logan Abandoned Mine Land Reclamation Project
11:00 AM	Brianna L. Mayfield, Keffery Skousen and Zachary B. Freedman Mine Reclamation using Bioenergy Crops: An investigation into plant- microbe interactions of switchgrass (Planicum Virgatum)	Tom Clark Susquehanna River Basin Mine Drainage Data Portal: Additions and Improvements for 2018	Cassandra Forte Systematic Review of Mining Effects on Human and Environmental Health
11:30 AM	Michael A. Stayrook, E.I.T. Review of Reforestation Efforts of the Bituminous District for Abandoned Mine Reclamation of PA	Kelsey Q. Jones, P.E. Development Phase of the Pine Grove North Waterline Extension Project	Rebecca Steinberg, Natalie Kruse, Nora Sullivan, Jen Bowman, Dina Lopez Development of a Tool to Estimate Post- Mining Water Level in Ohio