

Mine Safety and Health Administration
Symposium on Geotechnical Methods for Mine Mapping Verification
Tuesday, October 29, 2002
Charleston, WV

8:30 - 9:00 am	Registration	
9:00 - 9:30 am	Welcome / Introduction	John Correll MSHA, Deputy Assistant Secretary
	Scope of the Problem	Ray McKinney MSHA, Administrator for Coal Mine Safety and Health
9:30 - 10:30 am	Questions & Answers --	Ray McKinney Roaming Microphone for Audience
10:30 - 10:45 am	Break	
10:45-11:00 am	West Virginia - Mr. Doug Conaway	
11:05-11:20 am	Pennsylvania - Mr. Richard Stickler	
11:25-11:40 am	Virginia - Mr. Frank Linkous	
11:45-12:00 pm	Kentucky - Mr. Frank Delzer	
12:00 - 1:00 pm	Lunch (ON YOUR OWN)	
1:00 - 4:00 pm	Technical Session (Dual Concurrent Tracks)	



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Track 1 - Moderator - Michael Miano, Chief of Safety, MSHA Coal Mine Safety and Health, Arlington, VA

- 1:00-1:25 "Horizontal Drilling for Advance Exploration in Underground Mines", Dr. Pramod Thakur, Consol Energy Inc. (in Conjunction with J.H. Fletcher Company)
- 1:30-1:55 "Application of True Reflective Tomography and 2-D and 3-D Seismic Tomographic Imaging to Location of Mine Works", Timothy Ross, NSA Engineering
- 2:00-2:25 "Proven Benefits of Target Drilling, Inc.'s In-Mine Directional Drilling Technology for Abandoned Mine Verification", Stephen J. Kravits, Target Drilling, Inc.
- 2:30-2:55 "Directional Drilling – It's What's Up Front that Counts", Jeff Schwoebel, REI Drilling, Inc.
- 3:00-3:25 "Surface Geophysical Methods for Detection of Underground Mine Workings", William J. Johnson, PG, D'Appolonia Engineering Div., Ground Technology, Inc.
- 3:30-3:55 "Horizon Sensing and Radio Imaging Method (RIM™) for Detecting and Imaging Underground Barrier Pillars, Mine Voids, and Water", Dr. Larry Stolarczyk, Stolar Horizon Inc.

Track 2 Moderator - Edward Miller, Chief, Pittsburgh Safety and Health Technology Center, MSHA Technical Support, Pittsburgh, PA

- 1:00-1:25 "Robotic Mine Mapping", Dr. William "Red" Whittaker, The Robotics Institute, Carnegie Mellon University
- 1:30-1:55 "Current Research in Mining Geophysics at Virginia Tech", Dr. Eric Westman, Virginia Polytechnic Institute
- 2:00-2:25 "A Protocol for Selecting Appropriate Geophysical Surveying Tools based on Geotechnical Objective and Site Characteristics", Dr. Neil Anderson, Professor of Applied Geophysics, University of Missouri Rolla
- 2:30-2:55 "Radio Imaging Method (RIM™) for Detecting and Imaging Underground Barrier Pillars, Mine Voids, and Water", Dr. Syd Peng, West Virginia University

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3:00-3:25 "The National Institute for Occupational Safety and Health (NIOSH) Research Program for Detection of Abandoned Mines and Mine Voids", Thomas Mucho, Dr. Peter Swanson, National Institute of Occupational Safety and Health (NIOSH)

3:30-3:55 "Using Geographic Information Systems to Map and Model Underground Mines", Michael J. Price, ESRI, Mining and Earth Sciences Solutions

NOTE: Cards are in your folders for questions. Please write your questions and pass to the Registration Desk

End of Track #2

4:00-4:45

Panel Discussion - Panel of all Presenters - "Most Promising Current Technology And Research Needs relative to Detecting Abandoned Mine Voids using Geophysical Techniques".

Moderator - Dr. Kelvin Wu, Chief of the Mine Waste and Geotechnical Division, MSHA Pittsburgh Safety and Health Technology Center, Pittsburgh, PA.

4:45 Conclusion John Correll