



Session: Coal #1  
Tuesday, Sept. 23  
8- 10 a.m.  
Room N253, Las Vegas Convention Center, Upper Concourse

Title: Longwall Automation – State of the Art

Presenter: Mark Schaeffer, Global Product Manager – Controls & Automation, Joy Mining Machinery

Abstract:

The presentation will start with an overview of automation technologies deployed in high productivity longwall mines worldwide with an estimate of their adoption rate. Follows with review of new technologies deployed recently which are changing the role of the longwall crew from machine operators to longwall process monitors. Technologies include the use of cameras, wireless networks, advanced sensors, remote controlled machines & integrated control systems that share information between equipment.