



Session: Underground Mining #2
 Tuesday, Sept. 23
 8 - 10 a.m.
 Room N259, Las Vegas Convention Center, Upper Concourse

Title: Tracking and Control System at Barrick Goldstrike's Underground
 Division

Presenter: Anton Meyer, Senior Control Engineer, Underground Division, Barrick
 Goldstrike Mines Inc.

Abstract:

Recent underground mining accidents in the USA have prompted mines to seriously look at emergency and tracking systems for underground mines. Many communication and tracking systems are now available on the market and various systems have been installed in mines around the world.

Barrick Goldstrike's Underground Division has been in operation since 1995 and an extensive monitoring and control network as well as a leaky feeder voice network is in place. Enhancements to the communication and control system are currently being implemented to include a PED emergency notification system, wireless LAN with tracking of personnel and equipment in the mine, and a ventilation control system that will use the tracking information and ventilation data to automate much of the mine ventilation system.

Expected benefits from such a system would be enhanced communication with miners, emergency notification, location of miners and equipment, energy savings, improved ventilation control, and improved atmospheric conditions in the mine.