



Presentation: Radar Slope Monitoring Trends
Presenter: Cliff Preston, BDM

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Abstract:

Slope monitoring with radars has evolved very rapidly in the last 15 years since their inception. The latest generation of radars are ground based InSAR (interferometric synthetic aperture radar) has improved the resolution, range, and accuracy allowing for better understanding of how the walls of an open pit mine behave. We will look at several case studies of varying different scales and rock types to better understand the slopes and increase the safety and productivity of the mine.

Bio:

Cliff has been working with slope monitoring with radars since 2011, from evaluating data integrity to radar setups and troubleshooting. He specializes in signal processing and data interpretation. He earned a B.S in Geophysical Engineering from Colorado School of Mines in 2010.

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