Mining Engineering Weekly Seminar

Wednesday April 22\textsuperscript{nd}, 4:00 – 5:00 pm
Zoom link: https://mines.zoom.us/j/207286829

Mr. Shane Behanish
Mining Solutions Specialist, Maptek

Laser Scanners: The Swiss Army Knife of Mining Geospatial Data

Abstract:

The mining environment is constantly changing due to the inherent nature of the mining cycle. Earth is always being drilled, blasted, moved and processed in some way or another. By using laser scanning technology, operators can take a “snapshot” of the area of interest at a certain point in time and they can use that data to make comparisons for analytical purposes. These same mining operations can benefit greatly from the seamless and smooth transfer of data between departments. A constant challenge of site management is to break down those silos amongst groups and minimize the redundancy of work being done. Laser scanners have become a standard “one tool-many uses” 3D data acquisition tool for surface and underground operations and point cloud data from laser scanners can be utilized by surveyors, geologists, engineers and geotechnical engineers. The versatility of these instruments as a high-resolution 3D data acquisition tool is unmatched by most other tools in the industry. In this presentation, we will talk about all the various advantages and benefits of using laser scanners as a reality capture tool.

Bio:

Shane Behanish is a mining solutions specialist at Maptek in Denver, Colorado and has been in the mining industry for over 10 years. Shane received his geoscience degree from the University of Iowa and got his start in mining after college as an exploration geologist working on drilling projects in the Dominican Republic (Nickel laterite), Canada (Nickel sulphide) and right here in Colorado (Uranium). After a stint in exploration, Shane has worked at various mining software and technology companies in roles spanning from a technical services consultant and later transitioning into a business development/sales role. Shane enjoys working in the mining industry and likes the fast paced and progressive work environment at Maptek. When he is not working, Shane enjoys riding his mountain bike, playing guitar and piano and spending time with his wife and 2 kids.