

Maptek to Share Insights at Two Conferences



Maptek has announced three innovation leaders will be sharing insights on new techniques for training employees, optimising planning and scheduling, or enhancing site safety at the 2017 SME Annual Conference & Expo and CMA 119th National Western Mining Conference.

To match the various learning styles of today's industry professionals, learning must be easily accessible, user friendly and efficient. Incorporating multidisciplinary learning and cross-functional lessons ensures companies can develop resourceful, valuable employees.

Maptek Learning and Development Engineer Chris Johnson will explore the educational philosophy behind one practical training solution aimed at professionals, to accelerate training transfer and immediately apply skills to unique industry challenges.

Open pit optimisation and scheduling relies on efficiently transforming a mathematical model representing real scenarios into effective and optimised solutions. These models must be constructed so that they balance the constraints of the algorithms against real world considerations. Maptek Special Applications Development Engineer Matt Deutsch will outline how computationally efficient and accurate schemes for various scheduling and optimisation algorithms have been implemented, and compare them to commonly used regimes.

A primary concern at all mine sites is maintaining a high level of safety in a changing and challenging environment. New technologies using remote sensing techniques can reduce the potential for placing staff in dangerous situations.

When developing a mine design, unfavourable structural orientations, poor rock conditions and steep slope angles can create dangerous highwalls with potential for failure. Advances in 3D laser scanning and geotechnical software allow point cloud data to be analysed for structural orientation, spacing and waviness. Stereonet, rose diagram and advanced kinematics capability for detailed analysis leads to a better understanding of rock face stability and competence.

Maptek I-Site Consultant Aaron Gonçalves will highlight specific case studies that illustrate the benefits of 3D laser scanning and geotechnical software for analysing open pit highwalls.

Attendees can find out more about these and other advanced mine technology solutions at Maptek Booth #1409.