



AUSTRALIAN
INSTITUTE OF
MINE SURVEYORS

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MORANBAH INTERACTIVE DAY

MORANBAH COMMUNITY CENTRE MAY 16, 2018

CANDIDATES SESSION THURSDAY 17 MAY, 2018

Sponsor Interactive Session Information

C.R. Kennedy

The well-regarded family company C.R. Kennedy & Company is the largest national importer and distributor of surveying equipment in Australia, and the exclusive distributor for Leica Geosystems (part of HEXAGON). Our stand will be showcasing the DJI Matrice 200 series drone (M200) with Loki PPK system, the RIEGL VZ-2000i Long Range 3D Laser Scanning System and the LEICA GS18T “the world’s fastest GNSS RTK rover”. Visit, learn & enjoy!

Position Partners

Position Partners will present 2 mining solutions

The use of Wireless Infrastructure Monitoring Systems deployed in the Resource and Energy industries. How wireless systems can be installed standalone or complimentary to existing monitoring solutions. Case studies include open cut slope stability, tailings dam wall and wind turbine foundation monitoring.

Version 2 of Position Partners RPAS Highwall Mapping System – 2 years ago we presented the first complete RPAS highwall mapping solution in Australia at the AIMS Moranbah Workshop, now we are presenting Version 2. Featuring longer flight times (between 25 - 30 mins with payload) at less than half the price. The sub 50mm accuracy is delivered via a specially customised Klau PPK Module. Deliverables are a high accuracy DTM and Orthophoto. We'll have it flying on the oval during each presentation.

AAM

Techniques for revetment wall monitoring. AAM will present a case study and a methodology for high precision monitoring involving typical land based and aerial survey techniques.

UPG

The Trimble® SX10 Scanning Total Station redefines the capabilities of everyday survey equipment by providing the world's most innovative solution for surveying, engineering, and scanning professionals. This innovative and versatile solution allows users to collect any combination of high-density 3D scan data, enhanced Trimble VISION™ imaging, and high-accuracy total station measurements, allowing you to capture exactly what you need, saving you time and money on every job.

Software is the core of a monitoring project. It triggers alarms based on user defined thresholds as well as controls the measurements, manages data and compiles and analyses the results. From campaign monitoring to real-time, multi-sensor operations, Trimble 4D Control can handle the challenge of complex monitoring applications.

UPG and SITECH have the ability to deploy a cloud server with Trimble 4D for individual customers.

Aerial Acquisitions

Aerial Acquisitions will be displaying different options in the field of spatial data collection and processing now available to mine site surveyors.

Also we will be showcasing the methods of image/data collection including UAV's and manned mapping systems.

The exhibit will include standard colour, multispectral and thermal cameras with data set examples and the aerial platforms available.

Atlass- Aerometrex

Atlass are pleased to announce the arrival of the new RIEGL VQ-780i LiDAR Sensor. This sensors is one of only three in the world and will provide many advantages for clients including:

- Double capacity
- More efficient data processing, allowing shorter time frames for some client deliveries
- Achieve higher point densities at lower cost
- Higher resolution image capture
- Faster shutter speed allowing capture at 70% forward overlap
- Lower cost for large area captures (1000sqkm and above)

Also new at Moranbah will be the introduction of a new product lines - Safety Bunds. Correctly designed and cost-effective highwall bunds are essential for safety in large open cut coal mines. To keep the bunds accurate and therefore effective LiDAR Safety bund analysis is carried out on client supplied up to date track centrelines using the regular LiDAR data collected for volume analysis.

Carlson

A discussion on Carlson's suite of software capabilities and integration of the laser scanning systems for survey applications.

The talk will include information on Carlson Precision 3D, a surface editing tool and the Boretrak system which allows users to audit hole deviation from design to help control blasting operations.

Maptek

Maptek R3 laser scanners combine fast accurate sensing, high resolution digital imagery and powerful modelling software for improving survey productivity and site safety. The latest generation of I-Site 3D laser scanners are smaller, lighter and faster, while featuring the trademark efficient workflows. Find out about Maptek's newest technology to streamline mine survey at the AIMS Moranbah Interactive Day.