

FRIDAY MAY 7 2021

6:30 PM Welcome Dinner
Roth's Wine Bar
30 Market Street, Mudgee

SATURDAY MAY 8 2021

8:00 AM - 8:40 AM	Registrations <i>Parklands Resort & Conference Centre</i>
8:50 AM - 9:00 AM	Introduction <i>Matt Brown</i>
9:00 AM - 9:45 AM	Bathymetric Surveys of Mine Dams (TSF and Water Storage Facilities) <i>Matt Brown</i>
9:45 AM - 10:00 AM	Morning Tea
10:00 AM - 10:45 AM	Vale of Clwydd No.2 Colliery. Mine Sealing Investigation Surveys / CPD Update <i>Alan Mellor</i>
10:45 AM - 11:30 AM	Preservation of Survey Infrastructure for Mining Projects <i>Peter Sergeant</i>
11.30AM - 12.00PM	AIMS Update
12:00 PM - 12:45 PM	Lunch
12:45 PM - 1:45 PM	Sponsors Interactive Session 1 <i>AAM, Aerometrex, CR Kennedy, GeoCue Australia, Position Partners, UPG</i>
1:45 PM - 2:00 PM	Afternoon Tea
2:00 PM - 3:15 PM	Sponsors Interactive Session 2 <i>AAM, Aerometrex, CR Kennedy, GeoCue Australia, Position Partners, UPG</i>
3:30 PM	Close

CPD POINTS
EVENT CODE AIMS-21-122

3 Mine Surveying
1.5 Survey Practice

Interactive Session Information Mudgee

All delegates will be placed into small groups and rotate through each of the Sponsors below:

AAM

“Rapid Turnaround of Mine Spatial Data”

Project Case Study to show the evolution of supplied remotely sensed spatial datasets from points and strings from vector mapping to high-resolution imagery, terrain models, surface models generated from Artificial Intelligence for automation and rich content visualisation.

Aerometrex

Supporting Mining through Aerial Surveys

Aerial Imagery and Mapping

3 band and 4 band orthoimagery derived from aerial captures (scale-corrected and geo-referenced)

Digital Elevation Models

- Digital Terrain Models (DTMs), Digital Surface Models
- (DSMs), and digitised 3D feature data for GIS

Aerial LIDAR

Advanced aerial surveying technique which accurately maps the ground surface using airborne lasers

3D Modelling

- Derived from oblique aerial photographs, it offers 3D models of the highest resolution (2cm pixel) and absolute accuracy (5cm in the XY & Z dimensions)

With the key applications in Mining:

- Stockpile volume calculations
- Environmental monitoring
- Engineering survey mapping
- Windrow / Safety Bund / Berm Analysis
- Rehab vegetation surveys
- Corridor & Exploration Mapping

Feature extraction and Change Detection

CR Kennedy

Showcasing the latest model of TS16 Total station and CS20 controller with the new AutoHeight to measure instrument height and Dynamic Lock allowing the user to focus on the work at hand and not having to stand and wait for the instrument to lock onto the target. The latest model GS18 I with Visual Positioning enables the user to measure points which previously could not be measured with a GNSS rover easily and accurately. Now, you can quickly capture the site in images and measure points from them, either in the field or later in the office.

GeoCue Australia

GeoCue Australia will attend the Mudgee Regional Seminar in strength. Our intention is to display to you worthy and highly effective equipment and what benefits this bring you and your business.

The GeoCue offering includes hardware and software all contained within the GeoCue family, this is a significant benefit to you which we intend to display via a LIDAR workflow demonstration. This will also include an explanation of our 'Ray traced' colorisation process.

This year we will demonstrate our new True View 515 3DIS LIDAR system. Considering our True View LIDAR range extends to include the Riegl Vux mini 3, the TV515 is worthy of significant consideration considering the value offered. A display of the EVO workflow will be central to this discussion.

We will also display and discuss our CHC Navigation systems and products including our GNSS Rover and base station systems. These are well constructed, easy to use, include user friendly software options and are very economical to utilise.

We will also display and discuss our recently released dual frequency McBathy RC platform, this is a locally built, tested and supported system. This flexible platform also offers above water LIDAR and colorised clouds should the task at hand require these things. We will display and discuss the work flow and benefits of this end to end solution.

Our focus in attending this event it to connect with you and through feedback gained, learn as much as we can about your business needs and how we can best meet these needs.

Position Partners

TRINITY F90+ VTOL RPAS

Quantum Systems' new Trinity F90+ is a VTOL survey drone with 90 minutes flying time. The choice for industry professionals looking for long range, accurate, reliable aerial mapping.

With industry-grade durability and in-flight stability, the Trinity F90+ from Quantum Systems is suitable for the most complex and challenging of projects with safe landing and take off using vertical take off and landing (VTOL) technology.

Position Partners will also have on display the latest instrumentation from Senceive for measuring structural and downhole deformation. We will also have the latest vibration monitoring instrumentation suitable for blasting and fixed plant monitoring from Omnidots

UPG

UPG will be showcasing the newly released SX12 Scanning Total Station's suitability for underground surveying with the new green and focusable laser pointer.

Also the newly released TSC5 Android-based survey controller featuring a five-inch screen and full keyboard together with the R12i GNSS receiver with ProPoint Technology and new TIP Tilt compensation.

