

DRILL CORE, STRUCTURE AND DIGITAL TECHNOLOGIES

Fast Facts

When:
Wednesday 9 March
8:30am –5:00pm

Where:
[James Cook University](#)
Building 034
Room 127
TOWNSVILLE

Cost:
AusIMM Members \$220.00
AIG Members \$220.00
MAP Members** \$55.00
AIG unemployed/under employed members \$55.00
Student Members \$55.00
Student Non-Members \$55.00
Non-Members \$440.00

** MAP - Financial hardship approved via Member Assistance Program

Includes:
Morning Tea
Lunch
Afternoon Tea
Course work

Registration:

[Register here](#)

This technical meeting is brought to you by The AusIMM Geoscience Society & Australian Institute of Geoscientists. This workshop is worth 5 PD hours.



Dr Julian Vearncombe will present a one-day short course dealing with the collection and use of important structural data from oriented drill core.

In the mineral exploration industry, diamond core drilling provides the opportunity to collect structural data relating to a target or deposit. This enables improved and early knowledge and understanding of geological and mineralisation controls of a target, with an outlook to creating all-inclusive informative models from combined surface mapping, geophysics and downhole lithology and geochemical assay data. Quality structural data are invaluable to any project, from greenfield exploration to ore body definition in an advanced project with established reserves. Understanding the structural context of a project enables further exploration, ore envelope and shoot definition, and geological control on parameters for grade interpolation.

This short course summarises the technologies available in exploration and mining and describes techniques of core orientation, marking-up, structure measurement and the visual representation of structural data. We provide a critical comparison of tools and methods available at each stage of the process.

The course is based on the published research paper: **Bright, S., Conner, G., Turner, A. and Vearncombe, J.R.** 2014. Drill Core, Structure and Digital Technologies. Applied Earth Sciences (Transactions Institute Mining, Minerals and Metallurgy B), 123: 47-68.