

This course aims to provide geologists with the fundamental background of key geophysical methods that are applied in minerals exploration and hydrogeological mapping. The course will also include several case studies on minerals exploration and hydrogeology.

Full-day workshop including tea and lunch

Participants should bring along laptops for electronic notes

PRESENTER	TOPIC	
Warren Krynief (QuickLog)	Lithological and Hydrogeological borehole geophysical logging	8-8:40
Geoff Campbell (GAP Geophysics)	The Three Seismics: Refraction, Reflection and Passive Methods	8:45-9:25
Laurent Ameglio (GyroLAG)	UAV borne geo-surveying in the natural resources industry - A review of Applications, Innovations, Challenges and Promises	9:30-10:15
Tea		10:15-10:45
Edgar Stettler or Terracore rep	Near-Infra-Red (NIR) imagery	10:45-11:25
Branko Corner (Independent)	Radiometric surveys	11:30-12:10
Edgar Stettler (Independent)	Electrical Methods	12:15-12:55
Lunch		13:00-14:00

Brad Pitt (Independent)	Potential Fields Methods (Gravity And Magnetics)	14:00-14:40
Geoff Campbell (GAP Geophysics)	QC'ing aeromagnetic surveys	14:45-15:25
Tea		15:25-15:45
Leonie Mare (CGS)	Petrophysical lab and data available from CGS	15:45-16:25
Edgar Stettler or Detlef Eberle	Multivariate statistics and cluster analysis on a combination of airborne data sets such as magnetic, EM, radiometric, satellite imagery and geological data.	16:30-17:10