



# APPLIED MINERALOGY IN EXPLORATION

## THE SECOND SEMINAR IN THE EXPLORATION GEOCHEMISTRY SERIES

Tuesday 9th April 2019

### PRELIMINARY PROGRAM AND REGISTRATION



#### Registration from 8.15am

**Dennis Arne**, Telemark Geosciences/CSA Global. *An introduction to integrating geochemical and mineralogical data in hydrothermal systems.*

#### SPECTRAL MINERALOGY

**Sasha Pontual**, AusSpec International. *Demystifying spectral mineralogy.*

**Sasha Pontual**, AusSpec International. *Alteration mineralogy from hand held infrared spectrometers: new technologies driving a revival.*

**Melissa Quigley**, Spectral Geoscience. *International degustation of applied mineral spectroscopy for exploration.*

**Lena Hancock**, GSWA. *Using hyperspectral data, validated by pXRD, for logging rock-forming and alteration mineralogy in Au, Ni, and Li exploration in WA.*

#### OTHER METHODS

**John Woods**, SGS. *Application of fourier transform infra-red spectroscopy (FTIR) for mineral quantification.*

**Alex Otto**, CSIRO. *Detecting and quantifying Li minerals with FTIR and LIB spectroscopy in LCT pegmatites.*

**Sophie Perring**, Portable XRF Services. *Rapid field identification of mineral phases in LCT pegmatites by raman spectroscopy.*

**Naomi Potter**, Portable XRF Services. *Applications of micro-XRF in mineral exploration.*

#### AUTOMATED MINERALOGY

**Zofia Swierczek**, AXT. *Automated mineralogy overview.*

#### MINERAL CHEMISTRY AND INDICATOR MINERALS

**Steve Rowins**, CET, UWA. *The use of detrital apatite to explore undercover: a simple new tool to identify various types of buried mineralisation.*

**Ayesha Ahmed**, TMVC Research Hub, UTAS. *The application of epidote, chlorite and zircon mineral chemistry to porphyry deposit exploration.*

**Louise Schoneveld**, CSIRO. *Investigating indicator minerals for magmatic sulfide deposits.*

**Ross Large**, CODES, UTAS. *Pyrite trace element chemistry as a vector to ore deposits.*

#### CASE STUDIES

**Dennis Arne**, Telemark Geosciences. *Mineralogical vectoring in the central Victorian Goldfields.*

**Heta Lampinen**, CET, UWA. *Mineral footprint of Abra Pb-Ag (+Zn, Cu, Au) deposit—alteration from microscopic to prospect scale.*

**John Walshe**, CSIRO. *Navigating to grade: mineral mapping in Archean Au systems.*

**Carl Brauhart**, CSA Global. *Constraining mineralogy through whole-rock geochemistry.*

\$ 275 AIG and AAG members  
Fulltime students and unemployed AIG and AAG members \$ 110  
All prices include GST  
Lunch and morning/afternoon teas provided

\$385 Non-member

Venue: **LATHLAIN FUNCTION CENTRE**  
(Perth Football Club)  
Cnr Goddard and Bishopsgate Streets  
Lathlain WA

### HOW TO REGISTER

Visit the AIG bookings and registration site:

<https://www.aig.org.au/events/applied-mineralogy-in-exploration/>

**REGISTRATIONS CLOSE THURSDAY 4TH APRIL 2019**

For further information contact Jocelyn Thomson: jaytee@inet.net.au or phone (08) 9355 2164

#### Professional Development:

This course may assist with Continuing Professional Development (CPD) compliance for many AIG

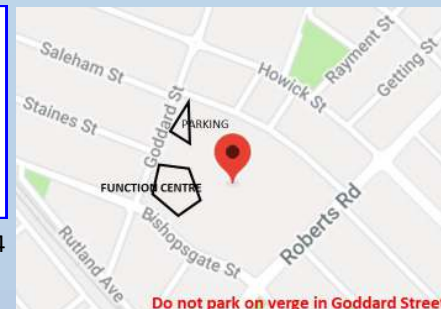
Registered Professional Geoscientists (RPGeos). Further information on the AIG RPGeo program is available at [www.aig.org.au](http://www.aig.org.au)

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