

Fluid Inclusions in Economic Geology: Fundamentals and Practical Applications

A three-day workshop
presented by

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Tuesday 10th - Thursday 12th July 2018

JCU Townsville

COURSE LEADER



Dr Jan Marten Huizenga is a senior lecturer at JCU who has extensive teaching experience after spending many years teaching in various Universities across South Africa. His research interests include fluid inclusions, fluid-rock interaction in the continental crust, hydrothermal ore deposits and the thermodynamic modelling of C-O-H fluid systems.

Course Description

This short course will comprise two modules and participants can choose to attend module 1 only or both modules.

Module 1 - 2 days

Module 1 will focus on the the fundamentals of fluid inclusion studies in economic geology. This course will concentrate on sample selection and sample preparation, fluid inclusion petrography, phase diagrams of single and multi-component fluid systems (H_2O , CO_2 H_2O - NaCl , H_2O - NaCl - CaCl_2 H_2O - CO_2 , H_2O - CO_2 - NaCl), microthermometry, data collection, data presentation and data evaluation.

Module 2 - 1 day

Module 2 will expand on module 1 to concentrate on the practical aspects of fluid inclusions studies including the use and calibration of heating-freezing stage (Linkam) and laser-Raman microspectrometry.

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REGISTRATION FEES

Three-Day Workshop

Industry: \$660 (incl GST)

Students: \$250.00 (incl GST)

(fee applies for 2 or 3 days attendance)

Registration fees include:

- » USB with software (fluid inclusion composition and isochore calculations)
- » Reading material - a selection of essential journal articles
- » Lunch, morning & afternoon tea

Participants will need to:

- » bring a laptop with Windows 7 or higher
- » wear enclosed shoes every day

PLEASE NOTE

- » Participant numbers are limited to 20
- » A minimum number of 6 registrations is required by Friday 15th June for the workshop to proceed
- » There will be a full refund of registration fees for cancellations on or before 15th June. Fees will not be refunded after this date but registration can be transferred to an alternative delegate.
- » EGRU reserves the right to cancel the workshop if due to circumstances beyond its control it is unable to present the workshop. Registration fees will be refunded.

For further information contact Judy Botting: judith.botting@jcu.edu.au

Register for EGRU Fluid Inclusion online: <https://www.jcu.edu.au/economic-geology-research-centre-egr/professional-development/fluid-inclusion-registration>