

Centre for **EXPLORATION
TARGETING**



CET
Online
Short
Course
Series

Orogenic Gold System Analysis and Exploration Targeting

30th November to 3rd December 2020

From 15:00 to 18:00 (Perth time - UTC+8)



Curtin University



THE UNIVERSITY OF
**WESTERN
AUSTRALIA**

Audience

The course is aimed at geoscientists from both industry and academia who desire a comprehensive understanding of established and modern concepts on orogenic gold system analysis and exploration targeting.

Language

English

Key topics

- Fundamentals - The Big Picture
- Depositional Site Analyses
- World class Gold Camps and Deposits
- Mineral Systems - Exploration Systems

Duration

4 days (12 hours) from 15:00 to 18:00 (Perth time - UTC+8)

Location

Online Zoom

Cost

CET Members AU\$ 450 + GST (Euro *280) - Non-Members AU\$ 630 + GST (Euro *390)-
University Postdocs and Fellows AU\$ 300 +GST (Euro *185) - Students AU\$ 100 +GST (Euro *62).

Payment will be charged in Australian Dollar.

*Euro amount may varies depending of the exchange rate.

Registration

For registration and payment information please visit our website.

www.cet.edu.au

See the CET website for more information

www.cet.edu.au

Who will be looking after you - Course Leaders



Prof Steffen Hagemann



Dr Nicolas Thébaud



Quentin Masurel



Daniel Wiemer



Jon Hronsky

Schedule

TIME	TOPICS	PRESENTERS
Monday	Fundamentals - The Big Picture	Steffen Hagemann
15:00	Introduction and history of orogenic gold systems	Steffen Hagemann
15:45	Mineral system approach - an overview	Cam McCuaig
16:30	Sources, energy, drivers vs metals: the geodynamic question	Graham Begg
17:15	Fluids pathways - highways to heaven	Steve Cox
Tuesday	Depositional Site Analyses	Nico Thébaud
15:00	Structure and architecture of orogenic gold system in Precambrian terranes	Nico Thébaud+Quentin Masurel
15:30	Structural control in orogenic gold systems in the Andes	Daniel Wiemer
16:00	Hydrothermal alteration framework and footprint	Steffen Hagemann+Wally Witt
16:30	Relative and absolute timing in orogenic gold systems	Jordan McDevitt
17:00	Colloidal gold	Laura Petrella
17:20	Multiple sulfur isotope framework in orogenic gold system	Marco Fiorentini
17:40	Trace element signatures in sulfides	Dennis Suggiono
Wednesday	World Class Gold Camps and Deposits	Quentin Masurel & Daniel Wiemer
15:00	Yilgarn Craton, Australia	Nico Thébaud
15:45	West Africa	Quentin Masurel
16:30	Superior Province, Canada	Michel Jebrak
17:15	Brazil	Lydia Lobato
Thursday	Mineral Systems - Exploration Systems	Jon Hronsky
15:00	Geophysical signature of orogenic gold system	Mike Dentith
15:45	Case study: machine learning in the gold environment	EJ Holden
16:30	Geochemistry	Nick Oliver
17:15	Exploration targeting in the orogenic gold system	Jon Hronsky

See the CET website for more information

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