

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)

www.cet.edu.au



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) three-hour daily sessions from 15:00 to 18:00 (Perth time - UTC+8)

Location

Online Zoom

Cost

CET Members AU\$ 360 + GST (Euro *218) - Non-Members AU\$ 500 + GST (Euro *302)-
University Postdocs and Fellows AU\$ 200 +GST (Euro *122) - Students AU\$ 100 +GST (Euro *60)

Payment will be charged in Australian Dollar

*Estimated prices

Certificate of Attendance

Upon completion, participants will receive a certificate of attendance

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

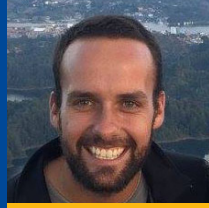
Who will be looking after you - Course Leaders



Steffen Hagemann



Nicolas Thébaud



Quentin Masurel



Daniel Wiemer



Jon Hronsky

Schedule

TIME	TOPIC	PRESENTER
Monday 30/11/2020	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/ Nicole Januszczak
16:30	Sources, energy, drivers vs metals: the geodynamic question	Graham Begg
17:15	Fluids pathways - highways to heaven	Nico Thébaud
Tuesday 1/12/2020	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 McDivitt
17:00	Gold accumulation processes in orogenic systems	Laura Petrella
17:20	Multiple sulfur isotope framework in orogenic gold system	Marco Fiorentini
17:40	Trace element signatures in sulfides	Marcelo Godefroy Rodriguez
Wednesday 2/12/2020	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	China	Franco Pirajno
18:00	Brazil	Lydia Lobato
Thursday 3/12/2020	Mineral Systems - Exploration Systems	Jon Hronsky
15:00	Geophysical signatures of orogenic gold systems	Mike Dentith
15:45	Applying OSNACA (Ore Samples Normalised to Average Crustal Abundance) transform to the geochemistry of orogenic gold systems	Carl Brauhart
16:30	Practical geochemistry fusion in orogenic gold systems	Nick Oliver
17:15	Exploration targeting in the orogenic gold system	Jon Hronsky

FROM 15:00 TO 18:00 (PERTH TIME - UTC+8)