



pro**EXPLO**2023

COURSE

ORE-FORMING PROCESSES IN HYDROTHERMAL SYSTEMS – IMPLICATIONS FOR ORE GENESIS AND EXPLORATION

 **FRIDAY 5TH MAY 2023**

 **FROM 9:00 TO 15:00 HOURS**

 **IIMP VENUE**



Abstract

This one-day shortcourse will review sources and compositions of ore forming fluids and discuss metal transport and ore-forming processes. It will draw on examples from porphyry, epithermal, skarn, and sediment-hosted mineral systems. The course will review environments where potential ore-forming processes may operate, how disagreement over ore-forming processes leads to some of the major controversies regarding ore genesis, and how those controversies potentially have significant impacts for exploration models.

Instructor

David Cooke is the Director of CODES, the Centre for Ore Deposit and Earth Sciences at the University of Tasmania. In collaboration with his students, postdoctoral research fellows and research colleagues, David has been researching hydrothermal and magmatic processes that lead to porphyry copper and epithermal gold ore formation since the mid-1980s. David's team have also been studying mineralogical and geochemical halos to porphyry and epithermal deposits for almost two decades, developing new geochemical exploration tools for the minerals industry, which was recognized with the inaugural AMIRA International Award for Geoscience Research Excellence in 2012. David received the Society of Economic Geologists' Thayer Lindsley lecturer award in 2005, the SEG Silver Medal in 2013, the Australian Academy of Science's Haddon Forrester King Medal in 2018, and was the SEG Distinguished Lecturer in 2021. He has been an associate editor of Economic Geology since 2001.

David
COOKE



Costs

CATEGORIES	RATES US\$ INC. IGV	
	Until 16.03.2023	From 17.03.2023
Non-Associates	400	450
Associates	300	350
Students	150	200
Teachers	200	250

- The IIMP Active Member must be up to date with their 2023 dues.
- The student and the teacher must present their respective university transcripts.
- * Includes digital certificate.

13TH INTERNATIONAL CONGRESS
OF PROSPECTORS AND EXPLORERS

**DISCOVERING THE
MINING OF THE FUTURE**

8 – 10 May, 2023

Venue: Lima Convention Center




ORGANIZED BY:



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