

# CET Members' Day

## 21st November 2024

The University Club of Western Australia

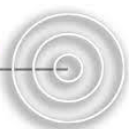
The University of Western Australia

Entrance 1, Hackett Dr, Crawley WA 6000

The Centre for Exploration Targeting (School of Earth Sciences) is pleased to announce the 19<sup>th</sup> Annual CET Members' Day to be held on the 21st November 2024 at the University Club at UWA. This year, we are featuring an impressive lineup of selected speakers who will present highlights from their active research projects and provide a captivating glimpse into the groundbreaking work being conducted within the Centre.

Prepare to be inspired by innovative ideas and transformative research that push the boundaries of our field. This is a unique opportunity to engage with experts, share insights, and network with fellow members. Don't miss out on this exciting day – join us for a celebration of exploration and discovery!

Center for **EXPLORATION  
TARGETING**



**ARC** CRITICAL RESOURCES  
FOR THE FUTURE



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**

# KEYNOTE SPEAKER: PROF DAVID COOKE



Prof. David Cooke is the Director for CODES (Centre for Ore Deposit and Earth Sciences) at the University of Tasmania. His wide range of specialties include porphyry copper and epithermal gold deposits, hydrothermal geochemistry, sediment-hosted Pb-Zn deposits, granite-related Sn deposits, and exploration geochemistry.

TIME	PRESENTER	TOPIC
<b>08:00 – 08:30</b>		<b>REGISTRATION</b>
08:30 – 08:50	Nicolas Thebaud	Overview of 2024 and future CET activities
08:50 – 09:05	Marco Fiorentini	Overview of vision and establishment of the ARC Industrial Transformation Training Centre in Critical Resources for the future
09:05 – 09:50	David Cooke <b>(Keynote Speaker)</b>	The copper challenge – facilitating society's transition to a low carbon-energy future through new discoveries
09:50 – 10:10	5 PhD Students' Speed Talks	Highlight of results captured in the posters: Vinicius Antunes Ferreira da Silva, Azim Bin Rossalim, Alex Eves, Lance Karlson, Edmore Marima
10:10 – 10:50		<b>MORNING TEA / POSTER DISPLAY</b>
<b>THEME: SOUTH WEST YILGARN</b>		
10:50 – 11:10	Matthew Demmer	Gonneville-Julimar Ni-Cu-PGE: Early findings and the exciting research to come
11:10 – 11:30	Catherine Gill	The pre 3 Ga crustal evolution of the South West Terrane, Yilgarn Craton
<b>THEME: MAGMATIC-HYDROTHERMAL SYSTEMS</b>		
11:30 – 11:50	Elna Kong	Au-Cu enriched high-K magmas from the Laramide Orogeny, USA – the importance of oxidised, hydrous magmas and multistage metasomatism
11:50 – 12:10	Carolina Mafra	Distinctive composition and petrogenesis of gold-ore-forming arc magmas
12:10 – 12:30	Jack Stirling	Anningie Pegmatite Field: Understanding LCT mineralisation in the Aileron Province, Northern Territory
12:30 – 12:50	Giulia Consuma	Apatite inclusions in zircon reveal interplay of volatile exsolution and temperature in giant porphyry systems
<b>12:50 – 13:50</b>		<b>LUNCH / POSTER DISPLAY</b>
<b>THEME: COPPER</b>		
13:50 – 14:20	Pietro Guj	Will future copper resources and supply be adequate to meet the net zero emission goal?
14:20 – 14:40	Weronika Gorczyk	What makes the Polish Kupfersheifer Cu deposit special?
14:40 – 15:00	Lu Li	Geophysical view of Proterozoic basins: Mantle and crustal heterogeneities under the McArthur Basin
<b>15:00 – 15:30</b>		<b>AFTERNOON TEA / POSTER DISPLAY</b>
<b>THEME: GOLD</b>		
15:30 – 15:50	Andrew Crawford	The regional setting and multiscale controls on mineralisation within the Oberon gold deposit, Granites-Tanami Orogen, Australia
15:50 – 16:10	Lauri Vines	Petrography of ultra high-grade Au veins at Beta-Hunt Au-Ni deposit: Implications for nucleation and gold nugget coarsening via primary growth
16:10 – 16:30	Gabriel Soares	The Tucano Gold Deposit, Brazil: evidence for hypozonal gold mineralisation
16:30 – 16:50	Jerry Dunga	Evolution of the New York Au-Cu breccia pipe: OK Tedi, PNG
16:50 – 17:00	Nicolas Thebaud	Closing Remarks
<b>17:00 – 19:00</b>		<b>SUNDOWNER</b>