



Iron Oxide-Copper-Gold Mineral Systems

Workshop Program

Day 1 - Monday 2nd December			
8.35	8.40	Adrian Fabris	Welcome
8.40	8.45	Paul Heithersay	Opening address
8.45	8.50	Adrian Fabris	Introduction to the workshop
8.50	9.10	Tim Craske, GeoWisdom	Better understanding IOCG systems: IOCG system mapping through 'Systems Thinking'
9.10	9.30	Anthony Reid, GSSA	Olympic Cu-Au Province: regional geology and tectonic setting
9.30	9.50	Claire Wade, GSSA	The contribution of felsic and mafic magmatism to mineral systems of the Gawler Craton
9.50	10.30	Stephan Thiel, GSSA	The lithospheric-scale view of an IOCG mineral system
10.30	11.00		COFFEE BREAK
11.00	12.10	Louise Corriveau, Geological Survey of Canada	Alteration facies of IOA, IOCG and affiliated deposits: Understanding the similarities, recognising the diversity in these ore systems
12.10	12.40	Adrian Fabris, GSSA	Alteration trends and geochemical characteristics of IOCG deposits in the Olympic Cu-Au Province
12.40	13.30		LUNCH
13.30	14.10	Kathy Ehrig, BHP	Olympic Dam and regional prospects: controls and key aspects of the geology
14.10	14.30	Alan Mauger, GSSA	Insights from the spectral scanning of the Olympic Dam IOCG ore system.
14.30	15.10	Mitchell Neumann, OZ Minerals	Geology and geophysics of the Carrapateena, Fremantle Doctor and Khamsin breccia complexes
15.10	15.40		AFTERNOON TEA
15.40	16.20	Graham Teale, Teale and Associates	Hillside - geological model and alteration paragenesis
16.20	17.00	Liam Courtney-Davies and Max Verdugo Ihl, University of Adelaide	Nanoscale processes providing fundamental understanding of ore forming processes
Day 2 - Tuesday 3rd December			
9.00	9.05	Adrian Fabris	Introduction
9.05	9.45	Louise Corriveau, Geological Survey of Canada	Mineral systems with IOA, IOCG and affiliated deposits in Canada
9.45	10.05	Zhao Yuhao, Geological Survey of China	Cu-Au mineralisation in southwest China
10.05	10.40		COFFEE BREAK
10.40	11.30	Glen Little, Minotaur Exploration	Cu-Au mineralisation of the Cloncurry district: recognising diversity within a mineralised province
11.30	12.00	Richard Lilly, University of Adelaide	Cloncurry District IOCGs: textural variability and alteration similarities
12.00	13.00		LUNCH
13.00	14.00		Discussion - IOCG mineral system mapping, led by Tim Craske
14.00	17.00		Core viewing - drill core from Olympic Dam*, Carrapateena, Prominent Hill, Hillside*, Intercept Hill and Manxman deposits.

*Rex Minerals and BHP are gratefully acknowledged for providing drill core.

Drill core layout

Front of Building

13	Olympic Dam, drill core provided by BHP		13
12	Olympic Dam, drill core provided by BHP		12
11	Olympic Dam, drill core provided by BHP		11
10	Olympic Dam, drill core provided by BHP		10
9	Olympic Dam, RU39 5371 0-235 m (underground drill hole)		9
8	Carrapateena, CAR002 495.58-654.2 m		8
7	Data Metallogena		7
6	Prominent Hill, DDHURAN1 197.75-390.6 m		6
5	Prominent Hill, DDHURAN1 390.6-580.25 m		5
4	Hillside, HDD280 – 100.2-223.6 m Drill core provided by Rex Minerals		4
3	Intercept Hill, IHAD5 843.3-1045.2 m		3
2	Intercept Hill, IHAD 5 1045.2-1134.9 m	Manxman A1, DD86EN 25 91-161.8 m	2
1	Manxman A1, DD86EN 25 161.8-367.5 m		1
<i>Toilets</i>		<i>Core Storage</i>	