3-Day Workshop: Structurally-Controlled Hydrothermal Alteration Systematics in Orogenic/Intrusion-related Gold Systems

Venue: 3rd Year Lab, First Floor, Robert Street Building, University of Western Australia

Day 1: Tuesday 3rd Nov 2023			
From	**To**	**Duration**	**Activity**
08:15	09:00	45 min	Overview: Gold Systems
09:00	10:00	60 min	Mineral System Analyses 1 (Geotectonic setting, fluid/magma highways)
10:00	10:30	30 min	Coffee
10:30	12:30	120 min	Mineral System Analyses 2 (Depositional Site Analyses I: Structural control at district, camp and deposit scale)
12:30	13:30	60 min	Lunch
13:30	15:00	90 min	Mineral System Analyses 3 (Depositional Site Analyses II: Hydrothermal alteration and geochemical footprint)
15:00	15:30	30 min	Afternoon Tea
15:30	18:00	150 min	Group Exercises 1: Epi, meso, hypozonal alteration and gold mineralization

Day 2: Wednesday 4th Nov 2026			
From	**To**	**Duration**	**Activity**
08:15	09:30	75 min	History of models for orogenic gold deposits (systems)
09:30	10:00	30 min	Group exercises 1: Epi, meso, hypozonal alteration and gold mineralization
10:00	10:30	30 min	Coffee
10:30	12:30	120 min	Group presentations 1
12:30	13:00	30 min	Intrusion-related and intrusion-hosted Au systems
13:00	14:00	60 min	Lunch
14:00	14:45	45 min	Archean alkalic gold systems
14:45	15:30	45 min	Orogenic gold deposits at the bottom of greenstone belts
15:30	16:00	30 min	Afternoon Tea
16:00	18:00	120 min	Metamorphosed orogenic gold deposits: The Kataning case study: Jonathan Garcia Group exercises 2: Epi, meso, hypozonal alteration and gold mineralization

Day 3: Thursday 5th Nov 2026			
From	**To**	**Duration**	**Activity**
08:15	09:30	75 min	Group exercises 2: Epi, meso, hypozonal alteration and gold mineralization
09:30	10:30	60 min	Case Study: The Kalgoorlie gold camp in Western Australia: 131 years continues mining
10:30	11:00	30 min	Coffee
11:00	13:00	120 min	Group presentations 2: Epi, meso, hypozonal alteration and gold mineralization
13:00	14:00	60 min	Lunch
14:00	15:30	90 min	Group exercise 3: Hydrothermal alteration in Intrusion-related Au systems
15:30	16:00	30 min	Afternoon Tea
16:00	17:30	90 min	Group presentations 3 Hydrothermal alteration in Intrusion-related Au systems
17:30	18:00	30 min	Summary and open questions

1-Day Research Symposium: Friday 6th November

Recent Advances in Economic Geology: Orogenic Gold Systems

Venue: Auditorium, University Club of Western Australia				
From	**To**	**Duration**	**Speaker**	**Activity**
08:00	08:15	15 min	Registration and refreshments	
08:15	09:00	45 min	A/Prof Nicolas Thébaud	Talk 1 Gold chemistry and control on high-grade bonanza type mineralization: new results and implications
09:00	09:45	45 min	Dr Lauri Virnes	Talk 2 From fractures to veins: genesis, stress fields and mineral textures
09:45	10:30	45 min	Dr Walter Witt	Talk 3 Geochemical footprints of orogenic gold systems: what works and what does not
10:30	11:00	30 min	Coffee	
11:00	11:30	30 min	Dr Quentin Masurel	Talk 3 Yilgarn craton: New ideas about the tectonic setting and implications on gold mineral systems
11:30	12:00	30 min	Prof Mark Jessell A/Prof Nicolas Thébaud	Talk 4 West Africa I: Overview about the tectonic setting and gold systems in West Africa
12:00	12:45	45 min	Dr Julien Perret	Talk 5 West Africa II: Crustal-scale transpressional control on gold mineralisation: insights from the Séguéla gold project, southern West African Craton
12:45	13:15	30 min	Fred Engstroem (PhD candidate)	Talk 6 North Africa: Structural control of gold mineralization at the Sukari deposit, Egypt
13:15	14:00	45 min	Lunch	
14:00	14:30	30 min	Prof Mark Jessell Prof Steffen Hagemann	Talk 7 Guyana Shield I: Overview about the tectonic setting and gold systems in the Guyana Shield
14:30	15:15	45 min	Gabriel Soares (PhD candidate)	Talk 8 Guyana Shield II: Hypogene gold mineralizaqtion at the Tucano orogenic gold deposit
15:15	16:00	45 min	Dr Alex Edgar	Talk 9 Canada: Pogo: The tectonic setting and structural control of the world-class Pogo gold deposit
16:00	16:30	30 min	Coffee	
16:30	17:15	45 min	Aaron Davies Dr Walter Witt Prof Steffen Hagemann	Talk 10 Gold Systems in Finland
17:15	17:45	30 min	TBA	Talk 11 Gold Mineral systems and Exploration Targeting
17:45	18:00	15 min	Prof Steffen Hagemann Dr Walter Witt	Summary and open questions