

WAGER AND BROWN WORKSHOP PROGRAM

SUNDAY, JUNE 28

CSIRO ARRC BUILDING, 26 DICK PERRY DRIVE, KENSINGTON

8:30	9:00	REGISTRATION	
9:00	9:25	Rais Latypov, Sofya Chistyakova, Stephen J. Barnes, Belinda Godel, Giada Iacono-Marziano, Willem Kruger	Secondary nucleation: an overlooked mechanism of crystal formation in igneous systems
9:25	9:50	Alan Boudreau	Surface energy and phase boundary energy: What's the difference?
9:50	10:15	M. Christopher Jenkins, Steve Barnes, Michael Zientek, and William D. Smith	Fine-scale textural and mineralogical variability in the PGE-rich B chromite zone, Stillwater Complex, USA revealed by high-resolution XRF mapping
10:15	10:40	Steve Barnes, Michael Lange, Will Smith	Effects of post-cumulus processes on chromite compositions in layered intrusion cumulates and implications for the origins of chromitite layers
10:40	11:00	Morning Break	
11:00	11:25	WD Maier, D Grobler, A Brits, MC Jenkins, M Zientek	Evidence for percolation of sulfide-rich crystal slurries in the Stillwater Complex, Montana
11:25	11:50	H. Richard Naslund	Basal olivine-rich zones in sills and layered intrusions: Origin by slurry injection, flow segregation, or crystal settling
11:50	12:15	Rais Latypov, Sofya Chistyakova	Regional geology and chemistry of orthopyroxene argue against the formation of the Bushveld Complex from externally-derived crystal-rich slurries
12:15	12:40	Johan Kruger	The Merensky Reef and the Platreef: sill-like and dyke-like intrusions of sulphur-rich Upper Zone magma
12:40	13:30	Lunch	
13:30	13:55	Stephen Prevec, Petele Lehoenya, Freddie Roelofse	Petrogenesis of the Main Zone-Upper Zone transition in the Western Bushveld Complex based on plagioclase and strontium isotope compositional variation
13:55	14:20	Ben Hayes, Scott MacLennan, Robert Bolhar	Fe-Ti oxide crystallisation in the T-Zone crystal mush as a trigger for stratiform PGE mineralisation in the Bushveld Complex
14:20	14:45	Anton Kutvrev, Wolfgang D. Maier, Thomas Belinkshop	The Rhy layered intrusion, Wales: petrogenesis, marginal chill differentiation, and early sulfide saturation
14:45	15:10	Wolfgang Maier, Piotr Skotnicky, Petri Peltonen, Sarah-Jane Barnes, Eero Hanski, William D Smith, Duncan Muir	PGE reefs in the upper portion of the Koitelainen layered intrusion, Finland
15:10	15:30	Afternoon Break	
15:30	15:55	Joyashish Thakurta and Cory Paliewicz	An assessment of olivine-rich rocks of the layered mafic intrusions of the Duluth Complex as source rocks for geological hydrogen
15:55	16:20	Raymond Goldie	Evaluation of the economic potential of Platinum Group Element (PGE) deposits: the case of the Platina Reefs at Skaengard
17:30	22:00	ICE-BREAKER, The Lucky Shag Rooftop Bar, 1 Barrack Square, Perth CBD	



**International Symposium
on Mafic-Ultramafic
Mineral Systems**

29 June - 03 July 2026 - Perth, Western Australia