

DSI-NRF CIMERA ANNUAL COLLOQUIUM**DATE: 18 - 19 NOVEMBER 2021 ONLINE or PHYSICAL ATTENDANCE****VENUE: Humanities Graduate Centre University of the Witwatersrand, East Campus, 1 Jan Smuts Avenue, Braamfontein, Johannesburg****PROVISIONAL PROGRAMME (subject to change)**

Day 1: Thursday 18 November 2021						
TIME		PRESENTER	TOPIC	SLOT	THEME	
08:00	08:45	REGISTRATION AND TEA				
08:45	09:00	Prof N Wagner (UJ)	WELCOME			
09:00	09:10	TBC	Welcome Note by Wits DVC/FoS Dean			
09:10	09:30	Babedi, Lebogang (SU)	The application of experimental mineralogy in geoscience – A case study of Economic geology and geometallurgy	1	Analytical Techniques	
09:30	09:50	Tshiningayamwe, Mbili (Wits)	The use of apatite trace element mineral chemistry and Sr-Nd isotopic determinations for investigating the petrogenesis of syenites and carbonatite. A case study of the Epembe alkaline-carbonatite complex, Namibia	2	Analytical Techniques	
09:50	10:10	Mapirenge, Brian (UJ)	Structural constraints on the evolution of the south-eastern Mwanesi Greenstone Belt and adjacent granitoids, central Zimbabwe Craton: implications for gold mineralisation	3	Gold	
10:10	10:50	Keynote Speaker:	TBC			
10:50	11:10	TEA BREAK				
11:10	11:30	Kgarabjang, Thabo (UL)	Characteristics of ore minerals and geochemical variation of host rocks associated with antimony and gold mineralisation in the Murchison greenstone belt, South Africa	4	Gold	
11:30	11:50	Bussin, Daniel (UJ)	A characterization and process mineralogical assessment of the karst hosted manganese ore deposits at Paling exploration camp in the Postmasburg Manganese Field, Northern Cape Province, South Africa	5	Northern Cape	
11:50	12:10	Dumisa, Senamile (Wits)	Constraints on the genesis of the orbicular granites and sulphide mineralization in the Koperberg Suite, Namaqualand and the Diana's Pool area, Zimbabwe	6	Northern Cape	
12:10	12:30	Maphumulo, Minenhle (UJ)	Mineralogical and geochemical characterisation of mineralised and regular NYF-type pegmatites from the Namaqualand pegmatite belt, Northern Cape, South Africa	7	Northern Cape	
12:30	12:50	Richards, Patrick (UJ)	Petrographical, Mineralogical and Geochemical Characterisation of the Leinster Deposit, Kalahari Manganese Field, South Africa	8	Northern Cape	
12:50	13:40	LUNCH				
13:40	14:00	Onyebueke, Emmanuel (Wits)	In-mine Seismic Imaging Trials of PGM Deposits in the Bushveld Complex, South Africa	9	Seismic/Geophysics	
14:00	14:20	Plaaitjie, Salizwa (Wits)	A Statistical and Machine Learning Approach to Analysing Faults and Dykes At South Deep Gold Mine	10	Seismic/Geophysics	
14:20	14:40	Westgate, Michael (Wits)	2D reflection seismic constraints on the 1.9 Ga Trompsburg layered mafic intrusion complex, South Africa	11	Seismic/Geophysics	
14:40	15:20	POSTER SESSION			Posters will be available online and displayed on screens during the colloquium	
15:20	16:00	TEA/VIRTUAL POSTER VIEWING				

Day 1: Thursday 18 November 2021						
TIME		PRESENTER	TOPIC	SLOT	THEME	
16:00	16:20	Baiyegunhi, Temitope Love (UFH)	Geochemical Evaluation of the Cretaceous Mudrocks and Sandstones in the Southern Bredasdorp Basin, Offshore South Africa: Implications for Hydrocarbon Potential	12	Hydrocarbon	
16:20	16:40	Tau, Rethabile (Wits)	The tectonic evolution of the Bredasdorp Basin and its implications for oil and gas formation	13	Hydrocarbon	
16:40	17:00	Ormond, Robyn (UJ)	Lithostratigraphy and structural geology of the Namibfontein-Vergenoeg domes in the southern Central Zone of the Damara Orogen, Namibia	14	Other	
17:00	19:00	Networking Function for DSI-NRF CIMERA collaborators VENUE TBC - Please confirm your attendance				
Day: 2 Friday 19 November 2021						
07:30	08:20	REGISTRATION AND TEA				
08:20	08:30	Dr Glen Nwaila (Wits)	WELCOME			
08:30	08:50	Baloyi, Beberto (UJ)	Nature and origin of Mesozoic kimberlites from the NW Kaapvaal craton in Botswana	15	Other	
08:50	09:10	Ramphabana, Khethani Tom (Univen)	Geochemical Characterisation of The Waterberg Coalfield Lithostratigraphy: Implications to Acid Mine Drainage, Limpopo Province, South Africa	16	Environmental	
09:10	09:30	Schapira, Jessica (Wits)	Geology-based tools for the prioritising of derelict asbestos mine land rehabilitation and predicting of long-term potentially hazardous geo-environmental signatures	17	Environmental	
09:30	09:40	TBC	Welcome Note			
09:40	10:20	Keynote Speaker:	TBC			
10:20	10:40	TEA BREAK				
10:40	11:00	Malatji, Mafete (UFS)	The strontium isotopic stratigraphy of the LCZ-UCZ transition in the Western Limb, Bushveld Complex	18	Bushveld	
11:00	11:20	Mapiloko, Mabatho (Wits)	Chromite and sulphide mineralization of the Uitloop ultramafic bodies in the northern limb of the Bushveld Complex	19	Bushveld	
11:20	11:40	Mashhour, Samer (Wits)	A Turbulent Magmatic Density Current and the Origin of the Anastomosing UG-1 Chromitites at Dwars River in the Bushveld Complex	20	Bushveld	
11:40	12:00	Motaung, Thapelo Sidwell (UFS)	The Sr-isotopic stratigraphy of the Eastern limb of the Bushveld Complex	21	Bushveld	
12:00	12:10	COMFORT BREAK				
12:10	12:30	Yudovskaya, Marina (Wits)	A hidden basaltic roof of the Bushveld Complex	22	Bushveld	
12:30	12:50	Zowa, Peace (Wits)	Constraining magma sources and the metallogenesis of the Bushveld Complex using Nd isotopes in apatite	23	Bushveld	
12:50	13:10	Colloquium Closure	Closing and prizes			
		Departure – no lunch				