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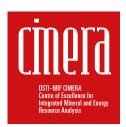
#### 2025 DSTI-NRF CIMERA ANNUAL RESEARCH COLLOQUIUM

24 – 25 November 2025.

University of Limpopo, Earth Science Building.

#### **PROGRAMME**

DAY 1: MONDAY 24 NOVEMBER 2025				
07:15			BUS WILL DEPART FROM HOTEL TO VENUE	
08:00 - 09:00			REGISTRATION AND TEA	
09:00 – 09:10			Prof Nicola Wagner (UJ) DSTI-NRF CIMERA Director	WELCOME
09:10 – 09:30			Invited Representatives from UL: VC / DVC / Dean Faculty of Science and Agriculture	WELCOME NOTES
	SLOT TIME		PRESENTER	TOPIC
J, CIMERA Director) AERA Co Director)		09:30 – 10:00	KEYNOTE SPEAKER  Mr Nevan Pillay  Vedanta Resources /  Chair of DSTI-NRF  CIMERA  Steering Committee	Putting Theory into Practice — An Explorer's Journey.
SESSION 1: la Wagner (UJ ebb (Wits, CIIA	1	10:00 – 10:20	Charl D Cilliers (UWC)	Virtual Field Trips: Preparing students for geological fieldwork in South Africa.
SESSION 1: CHAIRS - Prof Nicola Wagner (UJ, CIMERA Director) and Prof Susan Webb (Wits, CIMERA Co Director)	2	10:20 – 10:40	Fatima Chitlango (UJ)	Paleo-depositional environmental reconstruction for the Permian Vereeniging-Sasolburg Coalfield, South Africa.
	3	10:40 – 11:00	Busisiwe Khoza (Wits)	Resolving the B3 Group Paradox: New Isotopic Evidence for the Parental Magmas of the Main and Upper Zones of the Bushveld Complex and its Implications for Bushveld Mineralization.
11:00 – 11:30			TEA BREAK	
<b>SESSION 2</b> : CHAIR <b>=</b> Elelwani Denge (UL)	4	11:30 – 11:50	<b>Julia Mapula</b> <b>Maponya</b> (UV)	Genesis and Mode of Occurrence of Magnetite-Rich Iron Ore within Gabbronorite of the Bushveld Igneous Complex: Evidence from Petrography, XRD, and Geochemistry.
	5	11:50 – 12:10	Faith Nyati (Wits)	High-precision Geochronology of the Rooiberg Group to Constrain the Shallow Crustal Effects of the Bushveld LIP.
	6	12:10 – 12:30	Treyen Pillay (Wits)	Interrogation of borehole geophysical data from the International Continental Scientific Drilling Program (ICDP) of the Bushveld Drilling Project (BVDP) for lithology determination.
	7	12:30 – 2:50	Thabiso Sibanyoni (UJ)	Using structural geology and geochronology to constrain the emplacement age of mafic-ultramafic Ombuku South and Otjijanjasemo intrusions at the periphery of the Kunene Complex, northern Namibia.
		12:50 - 13:40	GROUP PHOTOGRAPHS AN	D BUFFET LUNCH; PUT UP POSTERS AFTER LUNCH





































# PROGRAMME (cont.)

SESSION 3: CHAIR • Dr Marvin Moroeng (UJ)	8	13:40 – 14:00	Kaydi Govender (Wits)	Constraining the magma sources and tectonic setting of the Kunene AMCG Complex.
	9	14:00 – 14:20	Chanelle du Plessis (UP)	Insights into mantle processes of the Cullinan kimberlite (previously Premier kimberlite) pipe, Kaapvaal craton, South Africa.
	10	14:20 – 14:40	Khulekani B Khumalo (Wits)	Tracing Magmatic Ores: Setting-up Fe-Cu-Zn Stable Isotope Methods to Trace Mineralisation in Layered Intrusions.
	11	14:40 – 15:00	Thabo S Kgarabjang (UL)	Gold Distribution in Arsenic, Antimony-Bearing Sulphides at the Stibium Mopani Gold-Antimony Deposit, Murchison Greenstone Belt, South Africa: Evidence for Refractory Gold Mineralization.
	12	15:00 – 15:15	POSTER PRESENTATIONS (timed 1-minute elevator pitches; 14 presenters)	
15:15 – 15:50		15:15 – 15:50	COMFORT BREAK AND POSTER VIEWING	
SESSION 4: CHAIR • Prof Napoleon Hammond (UL)	13	15:50 – 16:10	<b>Daniel Ferreira</b> (SU)	The Tantalite Valley Complex: Insights into its genesis and evolution.
	14	16:10 – 16:30	Munyai Phumudzo Gift (UV)	Phytoremediation of metals from Klein Letaba gold mine tailings, Limpopo Province, South Africa.
	15	16:30 – 16:50	Nthatisi Sandra Makhoba (Wits)	Paragenesis of different styles of magmatic sulphide mineralisation in the mafic-ultramafic phase of the Kunene Complex, Angola.
	16	16:50 – 17:10	Tahnee Otto (SU)	Experimental investigation of Bushveld chromitite formation II: The story from sintered olivine capsules.
17:20			DEPARTURE FOR NETWORKING EVENT	
		18:00 – 21:00	NETWORKING SESSION AND BRAAI	



DISCLAIMER: The University of Johannesburg encourages academic debate and discussion that are conducted in a manner that upholds respectful interaction, safety of all involved, and freedom of association as enshrined in the law, the Constitution, and within the boundaries of the University policies. The views expressed during events are expressed in a personal capacity and do not necessarily reflect the views of the University of Johannesburg. All events taking place in this venue may be photographed and video recorded for marketing, social media and media purposes. By attending this event, you grant the University of Johannesburg permission to use and publish any recorded material.





































# PROGRAMME (cont.)

DAY 2: TUESDAY 25 NOVEMBER 2025					
07:30		BUS WILL DEPART FROM HOTEL TO VENUE			
08:00 - 08:45		REGISTRATION AND TEA			
08:45 – 09:00		Prof Sue Webb (Wits) DSTI-NRF CIMERA Co-Director & Prof NQ Hammond (UL)	WELCOME		
SLOT TIME		PRESENTER	TOPIC		
SESSION 5: CHAIR • Dr Maropene Rapholo (UL)	17	09:00 - 09:20	Fezeka Dliwako (Wits)	Tectonic processes affecting the central Kaapvaal Craton: evidence from esoarchaean TTGs from the Johannesburg Dome.	
	18	09:20 — 09:40	Nthabeleng Ramotholo (UKZN)	The Metallogeny of the mafic-ultramafic Sithilo Complex, Tugela Terrane, Natal Metamorphic Province.	
	19	09:40 -10:00	<b>Zakhele Radebe</b> (UJ)	Organic petrography, mineralogy and sulphur distribution within the n0.2 seam in the Belfast coal mine, Witbank coalfield, South Africa.	
	20	10:00 -10:20	Catherine Grobbelaar (UCT)	Hyperspectral mineral identification for geological mapping and REE exploration.	
	21	10:20 — 10:40	Khethukuthula Ndebele (UCT)	Premier kimberlite cluster megacrysts: constrains on kimberlite melt evolution in Bushveld-modified lithosphere.	
		10:40 — 11:10	TEA BREAK		
	22	11:10 – 11:30	Goitseone Benedict (UP)	Fe-Ti oxides as a proxy for metallogenic processes in mafic/ ultramafic intrusions peripheral to the Kunene AMCG Complex in Angola.	
SESSION 6: CHAIR • Dr Karen Smit (Wits)	22	11:30 – 11:50	Chanelle du Plessis (UP)	Insights into mantle processes of the Cullinan kimberlite (previously Premier kimberlite) pipe, Kaapvaal craton, South Africa.	
	23	11:50 – 12:20	KEYNOTE SPEAKER Busiswe Maphalala (UJ) CoE Manager	The Changing Face of Geosciences: Towards a Regenerative and Responsible Future.	
12:20 – 13:00		LUNCH and PROFESSIONAL PHOTOGRAPHS			
13:00 – 13:15		Translate your research presentations and winners; presented by Directors			
13:10 – 13:30			Best presentation & poster, vote of thanks, & Colloquium close, + video		
13:30 — 16:00			Soft Skills workshop (students); discussion forum (academics)		
16:10 — 20:30		16:10 – 20:30	BUS DEPARTURE FROM VENUE TO JOHANNESBURG		





































### POSTER PROGRAMME

15:00 — 15:50 <b>MONDAY 24 NOVEMBER 2025</b>				
PRESENTER	TOPIC			
<b>Jazmynn Eksteen</b> (UKZN)	Geological controls on unconsolidated sediment and non-diamond placer distribution in the 20 to 14 A-C diamond concessions, Saldanha Bay to Strandfontein shelf.			
<b>Liseloane Lucia Malelu</b> (WITS)	Integrated Geometallurgical and Mineralogical Assessment of Vanadium in Magnetite of the Upper Zone in the Bushveld Complex.			
Puleng Nthebe (WITS)	Thermochemical impact of tectonic processes on the lithospheric mantle beneath the SE margin of the Kaapvaal Craton: using mantle xenoliths from Lesotho.			
Bokani Moyo (UCT)	Enhancing diamond breakage classification using the morphology of natural stones.			
Matebello Mokoena (WITS)	Sulphide paragenesis mechanisms in the Okiep Copper Deposits, South Africa.			
<b>Ishta Maharaj</b> (UKZN)	Detailed bedrock morphology and structural geology controls on diamond traps offshore Hottentot's Bay, Southern Namibia.			
Dr Fritz A. Agbor (UWC)	Thermal Maturity History and Hydrocarbon Generation Modelling within The Southern Pletmos Sub-Basin, Offshore South Africa.			
Wayne Nel (UFS)	The iron formations of the eastern Mesoproterozoic Aggeneys Terrane, and their significance to Zn-Pb deposits.			
Thoriso Lekoetje (WITS)	Zircon—Baddeleyite Co-crystallisation and Accessory Phase Behaviour in Mafic Magmas: Insights from the Kunene Complex.			
Masonwabe Jubase (WITS)	Mineralogical and Petrogenetic Characterization of Witkop Pegmatites, Northern Cape, South Africa.			
Amahle Ngcobo (UKZN)	Investigating the Bethal Limb of the Bushveld Complex.			
<b>Mphanama Thangeni</b> (UV)	Petrography and Mineralogy of Copper-Bearing Rocks in the Mutale Copperfield, Soutpansberg Group.			
Mangapa Moloto (UL)	Characteristics of ore mineralogy associated with gold mineralization in the Windmill orebody, Kalahari Goldridge deposit, Kraaipan greenstone belt, South Africa.			
Thabiso Mokobodi (UL)	Geological mapping and investigation of natural hydrogen gas potential in the Nkangala district, Mpumalanga province, South Africa.			