

The DSI-NRF CIMERA ANNUAL COLLOQUIUM REGISTRATION FORM

cimera

CIMERA – DSI-NRF
Centre of Excellence for
Integrated Mineral and Energy
Resource Analysis

26-27 November 2020

VENUE: School of Tourism and Hospitality
University of Johannesburg
Auckland Park Bunting Road Campus
(Entrance off Annet Road)

VIRTUAL: Zoom/MSTeams

VIRTUAL OR PHYSICAL ATTENDANCE

Please indicate which of the following you would like to attend.

IN PERSON: Colloquium – 26 November 2020

VIRTUAL

IN PERSON: Evening Networking Event – 26 November 2020 (TBC)

IN PERSON: Colloquium – 27 November 2020

VIRTUAL

Name

Surname

Company / Institution

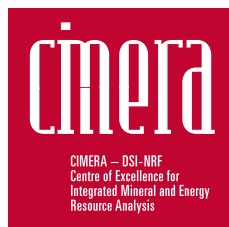
Designation

Cellphone number

Email address

Special dietary requirements

Please return this form by 17 November 2020
to Ms Viwe Koti at vkoti@uj.ac.za



DSI-NRF CIMERA ANNUAL COLLOQUIUM

26-27 November 2020 – attending online or in person

School of Tourism and Hospitality, Auckland Park Bunting Road Campus, University of Johannesburg

PROVISIONAL PROGRAMME



UNIVERSITY OF THE WITWATERSRAND
JOHANNESBURG



University of Fort Hare
Together in Excellence



HELMHOLTZ ZENTRUM DRESDEN
ROSSENDORF



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA



RHODES UNIVERSITY
Where leaders learn



UNIVERSITEIT STELLENBOSCH
UNIVERSITY



University of Venda



UNIVERSITY OF THE WESTERN CAPE

DAY 1: THURSDAY 26 NOVEMBER

TIME	PRESENTER	TOPIC
08h00-08h50	REGISTRATION AND TEA	
08h50-09h00	Nikki Wagner (UJ)	WELCOME
09h00-09h20	Michael Westgate (Wits)	Reappraisal of legacy seismic data for iron prospecting.
09h20-09h40	Frank Ndudzo (UFH)	Investigation of selected kaolin deposits in Grahamstown, South Africa using electrical resistivity, magnetic and geological methods.
09h40-10h00	Jessica Schapira (Wits)	Bioaugmentation-assisted rehabilitation and bioremediation of asbestos contaminated soils.
10h00-10h40	KEYNOTE SPEAKER: Dr Hannah Hughes Camborne School of Mines	Understanding the causes of gas outbursts underground in the Western Bushveld. (Online)
10h40-11h00	TEA BREAK	
11h00-11h20	Uwais Ahmed (UJ)	Radionuclides and radioactivity of coals used in South African power plants.
11h20-11h40	Bridgette Murathi (UJ)	The effect of a dolerite intrusion on the petrography and mineralogy of coals from the Witbank Coalfield, South Africa.
11h40-12h00	Itumeleng Venessa Matlala (UJ)	The effect of a dolerite intrusion on coal structure: insights from XRD and NMR.
12h00-12h20	Temitope Love Baiyegunhi (UFH)	Impact of diagenesis on the reservoir properties of the Cretaceous sandstones in the southern Bredasdorp Basin, offshore South Africa.
12h20-12h40	Eric Saffou (UWC)	Geomechanical characterization of CO ₂ storage sites: A case study from a nearly depleted gas field in the Bredasdorp Basin, South Africa.
12h40-13h30	LUNCH BREAK	POSTERS UP
13h30-13h50	Sean McQuillan (RU)	A field, petrological and geochemical study of the Keikamspoort Carbonatite.
13h50-14h10	Stephan Dunn (SU)	The origin and timing of hydrothermal gold mineralization in the Amani Hills prospect, southwestern Tanzania.
14h10-14h30	Senamile Dumisa (Wits)	Constraints on the genesis of the orbicular granites and sulphide mineralization in the Koperberg Suite, Namaqualand.
14h30-15h00	Poster presentations	Single slide per presenter to introduce poster.
15h00-16h00	TEA & POSTER SESSION	
16h00-16h20	Lebogang Babedi (SU)	A review of trace element incorporation into pyrite mineral structure in gold ore deposits.
16h20-16h40	Juliet Akoh (UJ)	Petrogenesis and geochemistry of an agpaitic ignimbrite in the Pilanesberg Complex.
16h40-17h00	Julia Mapula Maponya (Univen)	Geology and petrological investigation of iron ore deposits of the Rustenburg Layered Suite: A case study of Ga-Nchabeleng area, Sekhukhune District, Limpopo Province, South Africa.
17h00-19h00	Networking Function for DSI-NRF CIMERA collaborators	TBC

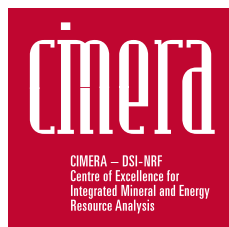
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PROVISIONAL PROGRAMME (cont.)



DAY 2: FRIDAY 27 NOVEMBER

07h30-08h20	REGISTRATION AND TEA	
08h20-08h30	WELCOME	
08h30-08h50	Sara Burness (UJ)	Multiple sulphur isotopic compositions of Kaapvaal Craton eclogites: Implications for sulphur and precious metal crust-mantle cycling.
08h50-09h10	Willem Kruger (Wits)	Magmatic karst in the Bushveld Complex: unique insights into magma chamber dynamics.
09h10-09h30	Siyasanga Dyan (RU)	Modelling the influence of carbonate assimilation on the stability of chromites: A case study of the Flatreef of the Northern Limb, Bushveld Complex.
09h30-10h10	KEYNOTE SPEAKER: Prof Ross Large CODES	The evolution of atmospheric oxygen and its relationship to ore deposit cycles in sedimentary basins. (Online)
10h10-10h30	TEA	
10h30-10h50	Khulekani Khumalo (Wits)	Sr-Nd-Hf isotopic study of the komatiites in the Westonia Formation of the Ventersdorp Large Igneous Province and implications for their petrogenesis.
10h50-11h10	Busisiwe Khoza (Wits)	Petrogenesis of the Tennis Ball Marker in the Eastern Bushveld Complex South Africa.
11h10-11h30	Maximilian Hasch (Wits)	Regional structures of bifurcating Lower and Middle Group chromitites of the Bushveld Complex, South Africa.
11h30-11h50	Mbili Tshiningayamwe (Wits)	Constraints on the origin and evolution of the Epembe carbonatite dyke, NW Namibia, using fluor-apatite and zircon geochemistry.
11h50-12h00	COMFORT BREAK	
12h00-12h20	Phulelele Mashele (Wits)	Geology of selected sites along the northern margin of the Barberton Greenstone Belt.
12h20-12h40	Dora Paprika (UJ)	The geology of the Dominion Group in the Ottosdal area.
12h40-13h00	Godfrey Chagodah (UJ)	A search for source magma for Archaean LCT pegmatites in the Bikita and Mweza fields, Zimbabwe.
13h00-13h15	Nikki Wagner (UJ)	Closing/prizes
	NO LUNCH	Departure



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POSTERS



15h00-16h00: THURSDAY 26 NOVEMBER

	NAME	AFFILIATION	POSTER TITLE
1	Elelwani Denge	University of Limpopo	Maceral types and quality of coal in the Tuli Coalfield: A case study of coal in the Madzaringwe Formation in Vele Colliery, Limpopo Province, South Africa.
2	Sinelethu Hashibi	University of Cape Town	A geochemical and thermobarometry study of kimberlite indicator minerals from the Kaapvaal and Zimbabwe Cratons and environs, southern Africa.
3	Thomas Jones	University of the Witwatersrand	Rapid fracture network quantification at the Valencia U deposit, Namibia using UAV photogrammetry.
4	Thabo Kgarabjang	University of Limpopo	Geochemical characterization of host rocks and hydrothermal alteration associated with antimony-gold mineralization along the Antimony Line, Murchison Greenstone Belt, South Africa.
5	Lungele Steve Kitoga	University of Cape Town	Petrology and geochemistry of the Dando-Kwanza kimberlite 'lavas' in central Angola.
6	Welhemina Langa	University of Johannesburg	Advanced non-destructive analytical techniques for the South African coal industry, with a focus on hyperspectral imaging.
7	Loic Le Bras	University of the Witwatersrand	X-ray computed tomography analysis of Cu-sulphide textures from Phalaborwa: an indicator for ore-forming processes.
8	Sanelisiwe Mhlambi	University of the Western Cape	Feasibility of CO ₂ -enhanced gas recovery in a tight Gas reservoir offshore South Africa: A case study.
9	Phumozo Gift Munyai	University of Venda	Phytoremediation studies of potentially toxic metals from tailings dams in Giyani area: a case study of Klein Letaba and Louise Moore tailings dams.
10	Tshipeng Mwenze	University of the Witwatersrand	Whole-rock and Sr-Nd isotope geochemistry of mafic rocks from the Waterberg and Harriet's Wish PGE prospects, far northern Bushveld Complex, South Africa.
11	Zandile Ndlazi	University of Fort Hare	Geochemistry of sandstones and mudstones from the Katberg Formation, Karoo Supergroup, in the Eastern Cape province of South Africa: implications on source rock provenance, tectonic setting, paleo-weathering conditions, and sediment maturity.
12	Thendo Netshidzivhe	University of Johannesburg	Nature and origin of Paleoproterozoic komatiites from the SE Kaapvaal craton.
13	Rembuluwani Ravele	University of Johannesburg	Consideration of the nature and economic potential of gold and antimony mine tailings in the Murchison Greenstone Belt, with a view on strategic elements and their host minerals.
14	Ryan Rosenfels	Stellenbosch University	The geology and geochemistry of the Fungurume 88 deposit: an unusual high grade primary cobalt sulphide deposit.
15	Mpofana Sihoyiya	University of the Witwatersrand	Re-appraisal of legacy seismic data using today's technology: examples from goldfields, South Africa.
16	Rethabile Tau	University of the Witwatersrand	The tectonic evolution of the Bredasdorp Basin and its implications for oil and gas formation.
17	Anton Viljoen	University of Cape Town	The diamondiferous hybrid/transitional kimberlites from the Man Craton (West Africa): A petrographic and mineral chemistry study.
18	Peace Zowa	University of the Witwatersrand	Constraining magma sources and the metallogensis in the Bushveld Complex using Nd isotopes in apatite.