2026 DSTI-NRF CIMERA ANNUAL RESEARCH COLLOQUIUM

16 – 17 November 2026

Wits Anglo American Digital Dome

PROGRAMME

DAY 1: **MONDAY 16 NOVEMBER 2026**				
SESSION	SLOT	TIME	PRESENTER	TOPIC
		08:00 – 09:00	REGISTRATION AND TEA	
		09:00 – 09:10	**Prof. Nicola Wagner** (UJ) DSTI-NRF CIMERA Director	WELCOME
		09:10 – 09:30	Representative from Wits: Prof. Lynn Morris - Deputy Vice-Chancellor: Research and Innovation	WELCOME NOTES
SESSION	SLOT	TIME	PRESENTER	TOPIC
SESSION 1: CHAIR ▪ Prof Nicola Wagner (UJ, CIMERA Director)		09:30 – 10:00	KEYNOTE SPEAKER **Noleen Pauls** President of The Geological Society of South Africa	Beyond the Rocks: A Career in Geoscience Without a Fixed Map.
	1	10:00 – 10:20	**Khethani Tom Ramphabana** (UV)	Geochemical suitability assessment of Soutpansberg Group Basalts for continuous basalt fibre production
	2	10:20 – 10:40	**Nhlamulo Roy Mafueka** (UP)	Targeting the economic potential of Cu-Ni-mineralised mafic/ultramafic intrusions of the Kunene Complex in Angola through geochemistry and S isotopes of sulphides
	3	10:40 – 11:00	**Rotondwa Mapholi** (UV)	Application of Random Forest (RF) and Support Vector Machine (SVM) algorithms on prospectivity mapping of nickel ore mineralization using remote sensing and geological data: Central Zone of the Limpopo Mobile Belt, South Africa.
		11:00 – 11:30	TEA BREAK	
SESSION 2: CHAIR ▪ Dr. Benedict Pharoe (UFH)	4	11:30 – 11:50	**Jazmynn Eksteen** (UKZN)	The changing fortunes of a mudbelt: Why seafloor mapping matters
	5	11:50 – 12:10	**Ishta Maharaj** (UKZN)	Detailed bedrock morphology and structural geology controls on diamond traps offshore Hottentot's Bay, southern Namibia.
	6	12:10 – 12:30	**Mphanama Thangeni** (UV)	Geological Controls on Copper-Sulphide mineralisation in the Mutale Copperfield, Soutpansberg Group, South Africa
	7	12:30 – 12:50	**Matebello Mokoena** (Wits)	Sulphide paragenesis in the Okiep copper deposists, South Africa
		12:50 – 13:40	GROUP PHOTOGRAPHS AND LUNCH	

PROGRAMME (cont.)

SESSION 3: CHAIR ▪ Dr. Nombuso Ngcobo (Wits)	8	13:40 – 14:00	**Mangapa Moloto** (UL)	Effect of mafic dykes on gold mineralisation in the Windmill orebody at the Kalahari Goldridge deposit, Kraaipan greenstone belt, South Africa
	9	14:00 – 14:20	**Elvis Tamilo** (Wits)	Geophysical Investigation of the Zebra Lobe, Angola & Namibia
	10	14:20 – 14:40	**Bokang Ngalo** (UFS)	A Sr-isotopic investigation of the Giant Mottled Anorthosite, Western Limb, Bushveld Complex
	11	14:40 – 15:10	POSTER PRESENTATIONS (7 presenters)	
		15:10 – 15:50	COMFORT BREAK AND POSTER VIEWING	
SESSION 4: CHAIR ▪ Busisiwe Maphalala (CIMERA)	12	15:50 – 16:10	**Amahle Ngcobo** (UKZN)	A geochemical investigation of the Bethal Limb of the Bushveld Complex
	13	16:10 – 16:30	**Ayakha Komzi** (UJ)	Petrogenesis of mafic-ultramafic intrusions in the Goboboseb Mountains, Namibia, and implications for their Cu-Ni-PGE prospectivity
	14	16:30 – 16:50	**Cicilia Motha** (UJ)	The structural and economic geology of Ohamaremba and Ombuku North MUM intrusions at the periphery of the Kunene Complex in northern Namibia.
		16:50 – 17:30	WITS ANGLO AMERICAN DIGITAL DOME SHOW	
		17:30 – 20:30	NETWORKING SESSION	

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Centre of Excellence for Integrated Mineral and Energy Resource Analysis

PROGRAMME (cont.)

DAY 2: **17 November 2026**				
		08:00 – 08:45	REGISTRATION AND TEA	
		08:45 – 09:00	**Prof Sue Webb** DSTI-NRF CIMERA Co-Director	WELCOME
SESSION	SLOT	TIME	PRESENTER	TOPIC
SESSION 5: CHAIR ▪ Dr. Khulekani Khumalo (Wits)	15	09:00 – 09:20	**Phambano Mudzanani** (UV)	Developing a scalable mobile application to promote geotourism of geosites: A case study of the malachite exposure, Musina Area, South Africa.
	16	09:20 – 09:40	**Dr Charl D. Cilliers** (UWC)	Digital Geology: Virtual Field Trips, mapping, outcrop analysis.
	17	09:40 – 10:00	**Nomaswazi Makhombothi** (Wits)	Mineral chemistry as vectors to granite associated magmatic-hydrothermal mineralisation in the Northern Cape, South Africa.
	18	10:00 – 10:20	**Pamela Mabuza** (UP)	The subcontinental lithospheric mantle below the Kaapvaal Craton: Insights from peridotite xenoliths from the Cullinan kimberlite pipe
	19	10:20 – 10:40	**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
		10:40 – 11:10	TEA BREAK	
SESSION 6: CHAIR ▪ Susan Webb (CIMERA, Wits)	20	11:10 – 11:30	**Bokani Moyo** (UCT)	Enhancing diamond breakage classification using the morphology of natural stones
	21	11:30 – 11:50	**Ratshalingwa Patience Mudanalwo** (Wits)	Crustal Evolution of the Northern Part of the Kaapvaal Craton: Implications for Pietersburg block geodynamic setting.
	22	11:50 – 12:20	KEYNOTE SPEAKER **Dr Lauren Hoyer** (UKZN)	She Rocks the Field: Building a More Inclusive Future for Geoscience
		12:20 – 13:00	GROUP PHOTOGRAPHS AND LUNCH	
		13:00 – 13:15	Translate your research presentations and winners	
		13:10 – 13:30	Best presentation & poster, vote of thanks, & Colloquium close	
		13:30 – 16:30	Soft Skills Workshop in collaboration with WiMSA; ICDP discussion forum (academics)	
		16:30	**END**	

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POSTER PROGRAMME

14:40 – 15:10 **MONDAY 16 NOVEMBER 2026**	
PRESENTER	TOPIC
Wendy Hlungwane (UJ)	Critical elements in the Tshipise Subbasin, Soutpansberg Coalfield, South Africa
Elihle Jojile (UFH)	Petrophysical and Geomechanical Assessment of CO2 Storage in Sandstone Reservoirs: A Case Study of the E-M Field in the Bredasdorp Basin, offshore South Africa
Keabetswe Mannathoko (UKZN)	Heavy Mineral Potential of Submerged Spitbars: The Cape St Lucia Spitbar of Northern KwaZulu-Natal
Monica Oghenekome (UP)	U-Pb geochronology of hematite in the Transvaal Supergroup Banded Iron Formations: review perspectives.
Aubrey Junior Matsila (Wits)	Characterising the provenance of sediments and gold in the Witwatersrand Supergroup, the world's oldest and largest intracratonic sedimentary basin, through novel detrital geochronologic methods.
Kwame Fynn (UJ)	Provenance of magnetite within the Palaeoproterozoic Tarkwaian Group of Ghana
Thabiso Mokobodi (UL)	Geological mapping and investigation of natural hydrogen gas potential in the Nkangala district, Mpumalanga province, South Africa.