Cimera Progress Seminar 17 November 2016

Venue: Wits, Geosciences Building, Room 101

Programme

TIME	PRESENTER	TITLE
	WITS BASIN	
9:00	Giuliana Costa	A revised classification scheme of pyrite in the Witwatersrand Basin and application to placer gold deposits
9:15	Gillian Drennan	Experimental work on simulation of Wits C-U-Au associations
9:30	Zamaswazi Nkosi	Seismological and mineralogical studies of the Carbon Leader Reef, West Wits Line goldfields (South Africa): Implications for its poor seismic reflective character
9:45	Musa Manzi	Application of 3D seismic attributes to enhance the imaging of the Witwatersrand Basin gold-bearing reefs
10:00	Matthew Terracin	Structural modelling of the northwest Witwatersrand Basin using legacy 2D reflection seismic data in 3D space: New insights into the closure of the Witwatersrand Basin and Transvaal orogenic event.
	MANGANESE	
10:15	Caroline Hlongwani	The stratigraphic, petrographic and geochemical subdivision of the upper Mn ore bed of the Hotazel Fm at KMR, Northern Cape, South Africa
10:30	**COFFEE BREAK**	
	COAL	
10:50	Arnold Matiane	Consideration of Rare Earth Elements (REEs) associated with coal and coal ash in South Africa
11:05	Xitshembiso Makukule	Using petrography, tomography and image analysis to validate washability of southern African coals
	KAROO	
11:20	Ken Liu and N. Malaza	Subsidence analysis and burial history of the Late Carboniferous to Early Jurassic Soutpansberg Basin, Limpopo Province,
11:35	Elijah Adenyi	The limpact of dolerite intrusions on the shale gas potential of organic-rich mudstones of the Ecca Group in a borehole from the central Karoo Basin
11:50	Baiyegunhi, C & Liu, K	Diagenesis of the Permian Ecca sandstones and mudstones, in the Eastern Cape Province, South Africa: Implications for the shale gas potential in the Karoo Basin
12:05	Sinovuyo Myendeki	The mineralogical, petrological and geochemical characterisation of the Ecca Group in the Willowvale

		borehole: Shale gas potential and CO2 sequestration perspectives
MINING		
12:20	Rejune Mundalamo	Ore mineralogy and ore-microscopy of the Musina copper deposits, Limpopo Mobile Belt, South Africa.
12:35	Tshedza Shavhani	Fumani tailings dams: Geo-environmental modelling of heavy metals and evaluation of the economic potential of the tailings, Limpopo province, South Africa
12:50	Grufford Giggler	The transition from hypogene to supergene mineralisation at the Mashitu South Cu-Co prospect, Katanga, DRC
13:05	Nkhupetseng Mohlahlana	The strato-tectonic framework of the Thabazimbi region and mine
13:20	**LUNCH**	
BUSHVELD		
14:00	Zakhele Nkosi	Experimental Investigation of the reactivity of Mg-orthopyroxene and Ca-plagioclase under direct aqueous mineral carbonation – Eastern Bushveld Igneous Complex case study
14:15	Ria Mukherjee	The emplacement mechanism of the UG-1 chromitite in the Bushveld Complex, South Africa
14:30	Ben Hayes	Crystallization and textural development of poikilitic anorthosites in the Bushveld Complex.
MINEROLOGY AND PETROLOGY		
14:45	Warrick Fuchsloch	The Cape Cross - Uis pegmatite belt, Namibia: An outline of pegmatite morphology, structural aspects, whole-rock and Ta-Nb-Sn oxide geochemistry
15:00	Sara Burness	The role of sulfur during partial melting of eclogite in the cratonic mantle: evidence from experiments and xenoliths
15:15	Josia Shilunga	A geological and geophysical study of the Deblin Mine area in Kombat South, southern Otavi Mountain Land, northern Namibia
15:30	Anil Ozturk	SEM results of fenites from the Upper Zone and Nebo Granite of the Bushveld Complex.
15:45	Yashirvad Thakurdin	Petrological and geochemical characterisation of lower crustal xenoliths from Wyoming Craton, Montana (USA), using accessory mineral geochemistry and geochronology
16:00	Nicholas Vafeas	Progressive phase change of low-grade high-carbonate manganese ore of the southern Kalahari Manganese Field during high temperature X-ray diffraction analyses