



<b>T23.11 - Applied Mineralogy and Geometallurgy</b>	<i>Date</i> <b>Thursday, 01 September 2016</b>	<i>Time</i> <b>08:00</b> <i>to</i> <b>10:00</b>
	<i>Chair</i>	<i>Room</i> <b>Westin - Marco Polo</b>

<b>Times</b>	<b>Paper # Title</b>	<b>Speaker</b>	
08:00 08:30	5556 Applied mineralogy for the responsible utilisation of natural resources	Dr. Deshenthree Chetty	Keynote
08:30 08:45	3940 Towards developing an integrated geometallurgical modelling framework of the minerals beneficiation chain	Dr. Edson Charikinya	
08:45 09:00	4551 Characterising flotation performance for geometallurgy - where are we at?	Prof. Dee Bradshaw	
09:00 09:15	4704 Considering rheology as a key geometallurgical tool	Mr. Theophilus Dzingai	
09:15 09:30	208 Mineralogy of excessive fines-producing manganese ore, Kalahari Manganese Field, South Africa	Dr. Nicolaas Steenkamp	
09:30 09:45	4413 Identifying extremely low-concentration non-target components in copper ores and concentrates	Prof. Nigel Cook	

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10:30	10:45	1217	Geochemical analysis of the European Kupferschiefer – from method development to data assessment	Anne Rahfeld
10:45	11:00	2011	Towards a geometallurgical model for by-product resource estimation of strategic metals within the St Austell kaolin deposits	Mr. Quentin DEHAINE
11:00	11:15	4866	The geometallurgy of the Namakwa Sands heavy mineral deposit: Challenges and solutions	Dr. Carlo Philander
11:15	11:30	5269	Mineralogy of TiO <sub>2</sub> -ilmenite heavy mineral sand deposit of Nataka	Mr. Silvio Jose Elias
11:30	11:45	5436	Importance of Geometallurgy in the Siilinjärvi Phosphate Mine	Mr. Pasi Heino
11:45	12:00	4472	Mineralogical analysis of a fluorspar deposit: A case study from three ore zones at the Okorusu fluorspar Mine, Namibia	Mr. Piet Sebola

Times		Paper # Title	Speaker
14:00	14:15	4738 Platinum-group mineral composition and mineralogy of LG6 and LG6a chromitites of the western Bushveld Complex, South Africa	Mr. Kai Bachmann
14:15	14:30	1915 Recovery of valuable elements from Platinum Group Metal (PGM) tailings and synthesis of iron-based materials	Ms. Sameera Mohamed
14:30	14:45	3384 Further development of a chemistry proxy for geometallurgical modelling at the Mogalakwena Mine	Prof. Robert Schouwstra
14:45	15:00	3282 Mineralogical and Geochemical variations in the UG2 reef at Booysendal and Zondereinde mines, with implications for beneficiation of PGM	Mr. Michael-John McCall
15:00	15:15	3628 Platinum group minerals in oxidised chromitite layers and their behaviour during chromite concentration: a process mineralogy approach	Mr. Themba Mothupi

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16:00	16:15	3855 Quantifying the resource potential of flotation tailings storage facilities – the role of geometallurgical characterisation	Dr. Jens Gutzmer
16:15	16:30	3097 Application of computer data processing and image analysis in studies of pore space in the Pennsylvanian sandstones from Western Pomerania	Dr. Aleksandra Kozłowska
16:30	16:45	3988 Development of a novel approach for integration of fundamental geological parameters with rock strength. Case Study : Los Bronces, Chile.	Malcolm Powell Dee Bradshaw
16:45	17:00	3057 Using X-ray Computed tomography (XCT) for the 3D textural analysis of drill core in geometallurgy	Dr. Megan Becker
17:00	17:15	2039 PLSR and XRD for process monitoring and exploration of ores	Dr. Uwe König
17:15	17:30	3040 Advanced Mineral Identification and Characterisation by $\mu$ -XRF	Mr. Samuel Scheller
17:30	17:45	4952 COMBINING EDS AND MICRO - XRF FOR ADVANCED MINERAL CLASSIFICATION AND ORE CHARACTERIZATION.	Mr. Max Patzschke

Times	Paper # Title	Speaker
	4912 Efficient search for accessory phases and chemical characterisation of major rock forming minerals for petrologic applications by combining Electron Probe Microanalysis and SEM automated mineralogy	Dr. Joachim Krause
	3191 Quantitative characterisation of low temperature hydrothermal alteration of magmatic Ni-Cu-PGE sulfide ores	Zeinab Adeyemi
	166 Mineralogical Characterizations of Low-grade Nickel–Iron Laterites from North Oman: MLA-SEM based automated quantitative mineralogy approach	Dr. Salah Al-Khribash
	5276 Understanding the progression of leaching in microwave treated particles using X-ray Computed tomography (XCT) analysis	Dr. Edson Charikinya
	5050 Mineralogy in process control – Reasons for furnace build-up and metal losses to slag	Ms. Wilma Clark
	3305 A Geometallurgical Assessment of the P1 and P2 units of the Platreef at Lonmin's Akanani Project, Northern Limb, Bushveld Complex	Ms. Gloria Motloba
	3637 "Hidden" gold	Dr. Julie Hunt
	879 Beneficiation of feldspar-rich pegmatites for the ceramic industry applications	Ms. Refilwe Moeletsi
	1635 A Geometallurgical Study of the Mineralized Footwall Underlying the Brakspruit Facies of Merensky Reef at the Lonmin Karee Pt Mine, Bushveld Complex, South Africa.	Mr. Matome Moitsi
	2068 By-product recovery of critical elements from ores and concentrates using deep eutectic solvent ionic liquids: BRIO	Dr. Gawen Jenkin