Society of Mining Professors 6th Regional Conference 2018 Preliminary Progamme

Welcome Rec	ay, 11 March 2018 eption		Effect of recycled bauxite grog addition on andalusite-containing refractory castables for tundish applications S.L. Msibi*† and E. Matinde†, *Scaw Metals Group, South Africa, †University of the	
17h00-19h00	Cocktail/Registration			
Day 2: Mond	lay, 12 March 2018		Witwatersrand, South Africa	
Official Opening Session Chair: R. Mitra		12:10–12:30	An evaluation index system for 'green' surface coal mining based on fuzzy theory	
07:00–08:00	Conference Registration and Tea/Coffee		Q. Cai, W. Zhou, X. Lu, F. Liu, and L. Li, China University of Mining and Technology, China	
08:00–08:10	Welcome from Chair and OHS Briefing			
08:10–08:15	Welcome from Vice Chancellor University of the Witwatersrand	12:30–13:20	Lunch	
08:15–08:20	Welcome from Dean FEBE, University of the Witwatersrand	Poster Pro	PESTLE and SWOT analysis of the potential for mining Zambia's low-grade copper ore deposits: the case of Kakosa South deposit S. Kangwa and V. Mutambo, University of Zambia, Zambia	
08:20-08:35	General overview of SOMP B. Hebblewhite, Secretary General, SOMP			
08:35–08:50	Welcome Address S. Ndolu, <i>SAIMM President</i>			
08:50-09:20	Keynote Address 1 L. Kgatle, SASOL	13:25–13:30	Use of the attainable region approach for the determination of the run-of-mine size	
Session 1: Research & Development Session Chair:			distribution for optimal downstream processing F.K. Mulenga* and A.M.M. Mwashi†,	
09:20-09:40	Development of wear- and corrosion- resistant coatings for pump sleeves in a copper mine		*University of South Africa, South Africa, †Kambove Concentrator, Democratic Republiof Congo	
	S.I. Hango*†‡§, J.W. van der Merwe*†§, L.H. Chown*†§, F.P.L. Kavishe†‡§, and L.A. Cornish*†§, *University of the Witwatersrand, South Africa, †DST-NRF	13:30–13:35	Coal as a strategic resource in South Africa P. Dikgwatlhe, University of South Africa Factors influencing operational effectiveness in the Zambian copper mining industry M.K. Banda*, C. Sichinsambwe†, and J.M. Tembo‡, *School of Information and	
	Centre of Excellence in Strong Materials, hosted by the University of the Witwatersrand, †University of Namibia, Namibia, and §African Materials Science and Engineering Network (A Carnegie-IAS RISE Network)	13:35–13:40		
09:40–10: 00	Geological mapping and modelling in the University of the Witwatersrand mine tunnel, South Africa		Communication Technology, †School of Business, and ‡The Copperbelt University, Kitwe, Zambia	
10:00–10:30	C. Birch, <i>University of the Witwatersrand</i> Coffee and Tea Break	Session 2: Su Session Chair	ustainable Development	
10:30–10:50	An evaluation of the economic viability of mining Bench 7B at Grootegeluk Colliery	13:40–14:10	Keynote Address 2: D. Naidoo, <i>Vedanta</i>	
40.50 44.40	S. Mhlongo* and C.K. Chabedi [†] , *The University of the Witwatersrand and [†] Exxaro, South Africa Integrated phytomining and ethanol	14:10–14:30	Mining and metallurgical wastes: a review of recycling and re-use practices E. Matinde, G.S. Simate, and S. Ndlovu,	
10:50–11:10	production in the Zambian Copperbelt to minimize mine decontamination costs and environmental and social impacts: a review	14:30–14:50	University of Witwatersrand, South Africa Limits to artisanal and small-scale mining: evidence from the first kimberlite mines W.P. Nel, University of South Africa, South Africa	
11:10–11:30	T. Sinkala, <i>University of Zambia, Zambia</i> Prediction of the spontaneous combustion liability of coal and coal-shale using statistical analysis M. Onifade and B. Genc, <i>University of the</i>	14:50–15:10	Post-mining excellence: strategy and transfer J. Kretschmann, <i>TH Georg Agricola University, Germany</i>	
	Witwatersrand, South Africa	15:10–15:30	Afternoon Tea	
11:30–11:50	The costs of sampling errors and bias to the mining industry R.C.A. Minnitt, <i>University of the Witwatersrand, South Africa</i>	15:30–15:50	Appropriate technologies for titanium extraction and processing for sustainable development of titanium-zirconium placers in red sand floor area of Binh Thuan, Vietnam	

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	N. Nguyen* and G. Nguyen [†] *Hanoi University of Mining and Geology and		South Africa	
	†National Institute of Mining-Metallurgy Science and Technology, Hanoi, Vietnam	11:45–12:05	Digital transformation in mining M. Woodhall and E. Strydom, <i>MineRP</i> , South Africa	
15:50–16:10	The role of mining heritage in society engagement D.J. Carvajal, <i>University of Huelva, Spain</i>	12:05–12:25	Optimizing the extractive capacity of the mining loading, and haulage fleet at Nchanga Open Pit mine, Zambia	
16:10-16:30	Wrap up Discussion and Closure		G. Dembetembe* and V. Mutambo [†] ,	
17:30 18:30–21:00	Bus leaves for dinner venue Conference Dinner		*University of Zimbabwe, Zimbabwe, †University of Zambia, Zambia	
10.30-21.00	Comercince Diffiner	12:25–13:30	Lunch	
Day 3: Tuesday, 13 March 2018		Poster Presentations		
07:00-07:55	Conference Registration and Tea/Coffee	13:30–13:35	The influence of work pressure on worker	
07:55–08:00	Welcome and Safety Briefing	10.00 10.00	attitudes towards health and safety in a	
Session 3: Innovation in Teaching & Learning Session Chair: 08:00-08:30 Keynote Address: The importance of			platinum mining stope P. Nelwamondo, M. Mpanza, and S. Rupprecht, <i>University of Johannesburg</i> , South Africa	
00.00	teaching mineral reporting and valuation codes in mine planning and valuation discourses within a mining engineering curriculum	13:35–13:40	A safety and accident communication system for underground mines B. Besa, S. Mulenga, and C. Mazimba, University of Zambia, Zambia	
	C. Musingwini, <i>University of the</i> Witwatersrand, South Africa	13:40–13:45	Comparison of cut-off grade models in mine planning for improved value creation	
08:30–09:15	Panel Discussion: Mining Education of the Future		based on npv J. Githiria, C. Musingwini, <i>University of the</i>	
09:15–09:35	Mine Design course at the University of the Witwatersrand		Witwatersrand, South Africa	
	B. Genc and R. Mitra, <i>University of</i> Witwatersrand, South Africa	13:45–13:50	Selection of Zambia's optimal copper mining excess profit tax W. Banda, <i>University of Zambia, Zambia</i>	
09:35–09:55	A review of work-integrated learning in south african mining engineering universities	13:50–14:00	Tax relief for mining companies: the cart before the horse K. Thambi, <i>University of Witwatersrand, South</i>	
	L.A. Maseko, <i>University of South Africa,</i> South Africa		Africa	
09:55–10:15	Enhancing sustainability of minerals engineering programmes through the development of a Minerals Resource Centre	Session 5: Mining Schools/Programs Session Chair:		
		14:00–14:15	Presentation 1 (MEESA) - Prof Ronny Weber Youngman	
	H. Musiyarira, T. Hollenberg, and P. Shava, Namibia University of Science Technology, Namibia	14:15–14:30	Presentation 2 (Namibia) - Dr Harmony Musiyarira	
10:15-10:45	Coffee and Tea Break	14:30–15:00	Afternoon Tea	
Session 4: Re	esearch & Development	15:00–15:15	Presentation 3 (Zambia) - Dr Bunda Besa	
Session Chair:		15:15–15:30	Presentation 4 (Botswana) - Dr Raymond Suglo	
10.40-11.03	mine of the future S. Rupprecht, <i>University of Johannesburg</i> ,	15:30–15:45	Presentation 5 (MEA) - Prof Bruce Hebblewhite	
11:05–11:25	South Africa A net smelter return model for a	15:45–16:00	Q & A Session	
11.05–11.25	polymetallic deposit	16:00–16:10	Wrap up session	
	P. Shava* and C. Musingwini [†] , *Namibia University of Science and Technology, Namibia and [†] University of Witwatersrand, South Africa	16:10–16:20	Vote of Thanks	
11:25–11:45	Using mine planning case studies for empirical estimation of the maximum number of criteria and alternatives for multi-criteria decision-making M.J. Mahase, C. Musingwini, and A.S. Nhleko, University of the Witwatersrand			

A.S. Nhleko, University of the Witwatersrand,