

08:10-08:20 Cultural Dances

NUST

08:40-09:10 Overview Namibia mining

08:20-08:40 Official Welcome, Dr Erold Naomab, Vice-Chancellor

V. Malango, CEO Chamber of Mines Namibia



Final Programme

Wednesday, 7 September 2022 09:10-09:40 Industry Keynote M. Dawe, Managing Director B2Gold Otjikoto Mine Delegates arrive in Windhoek Guest Keynote 09:40-10:10 Check-in N. Plint, Sustainable Minerals Institute Director, Australia Thursday, 8 September 2022 10:10-10:20 Remarks Professor Harmony Musiyarira, SOMP President 10:00-13:00 Drive to Otjiwarongo from Windhoek 2021/2022 13:00-13:30 COVID 19 Tests and security checks 10:20-10:40 Coffee and Snacks Break 13:30-14:30 14:30-17:30 Time at Leisure 10:40-12:10 Session 1: SOMP Business meeting Session Chair: Professor Vladislav Kecojevic, SOMP 17:30 Game Drive Starts Secretary General 19.00 Dinner 12:10-12:30 Cultural Activity (Dance) 12:30-13:00 Friday, 9 September 2022 Official Opening Minister of Mines and Energy **B2 Gold Mine Visit** 13:00-14:00 Network Lunch 07:00-08:00 Breakfast 08:00-10:00 Mine Tour 14:00-16:00 Session 2: Education Session Chair: Associate Professor Rudrajit Mitra, 10:00-10:30 Refreshments South Dakota Mines, USA 11:00-13:00 Crocodile Ranch 14:00-14:20 Keynote Address: Importance of the capstone mine 13:30-16:30 Drive back to Windhoek design and planning project in addressing graduate attributes for accreditation of mining engineering Saturday, 10 September 2022-Windhoek Hotel and programmes in South Africa C. Musingwini, The University of the Witwatersrand, Casino Resort 10:00-12:00 Ministry of Mines and Energy Museum Tour 14:20-14:40 Teaching sustainability in artisanal and small-scale 16:00-18:00 Early Registrations gold mining J.I. Tobón and O.J. Restrepo-Baena, Universidad Sunday 11 September 2022 Nacional de Colombia, Colombia NUST Windhoek Tour + Council Meeting 14:40-15:00 Educating world-class engineers for the 08:30-10:30 Windhoek Tour development of Mongolia T. Hollenberg¹, B. Baatar¹, and F. Wullkopf², ¹German-10:30-11:30 NUST Tour Mongolian Institute for Resources and Technology, 11:30 -14:30 Council Meeting Mongolia and ²Deutsche Gesellschaft für Internationale 14:30-15:00 Coffee Break Zusammenarbeit, Germany 15:00-17:00 Committee meetings I+MC: Development and implementation of a modern 15:00-15:20 17:00-18:00 SOMP Registrations mine closure course A. Hutwalker, A. Binder, and O. Langefeld, Clausthal 18:00-20:00 Welcome Cocktail Function University of Technology, Germany NUST Hotel School (Dress code: Smart casual) Implementing the online teaching in universities 15.20-15.40 Monday, 12 September 2022 - Conference Day 1 during the COVID-19 pandemic: Experience and lessons from China 07:00-08:00 Tea/Coffee/SOMP Registrations L. Liu, H. Li, Z. Sun, and Z. Jiang, Chongqing Session Chair: Dr Anna Matros-Goreses, Namibia University of University, China Science and Technology, Nambia Introducing mining engineering to first-year 15:40-16:00 08:00-08:10 Welcome Address students: The benefits of a digital uplift Z. Botha, SAIMM President G. Bournival and S. Ata, University of New South

Wales, Australia

Potential contribution of mining universities to

C. Dauber, P. Goerke-Mallet, and A. Daniels, TH Georg

improve the 'social license to operate'

Agricola University, Germany

16:00-16:20 Coffee Break

16:20-16:40





Final Programme

16:40-17:00	Perception of climate change risk in Zambian mining	10:45-10:50	Welcome and Committee Introductions
	industry: A case study	10:50-10:55	Supporting Women in Mining
47.00.47.00	S. Mulenga and B. Besa, <i>University of Zambia, Zambia</i>	10:55-11:30	Panel Discussion
17:20–17:20	Optimizing the production schedule for transition mines A. Anani¹, I.O. Flores², and H. Li³, ¹University of Arizona, ²Pontificia Universidad Catolica de Chile, Chile and ³University of Missouri-St, USA	11:30–12:10	World Cafe Format - Group Discussion MDC Members
		Emerging Trends in Curricula	
17:20-17:40	Multidisciplinary group project based courses in mining engineering programme B. Li, C. Zhang, and S. Saydam, <i>The University of New South Wales, Australia</i>	12:10–12:25	Alignment of tertiary curricula and needs of future mines - A case study of the world's top mining engineering schools T. Tholana and P.N. Neingo, <i>University of the</i>
17:40-17:50	Delegates photo		Witwatersrand, South Africa
17:50-18:30	Free time	12:25–12:40	The expansion of mineral education in Southern Africa – An update
18:30	Buses leave for evening event Welcome—Cultural evening event Dress code: Casual, Africa theme		G. Dzinomwa ¹ , P. Shava ¹ , H. Musiyarira ¹ , and R.S. Suglo, ¹ Namibia University of Science and Technology, Namibia and ² Botswana International University of Science and Technology, Botswana
	3 September 2022 – Conference Day 2	12:40-13:10	World Cafe Format - Group Discussion
07:00-08:00	Tea/Coffee/Hotel		MDC Members
08:00-10:45	Session 3: Education Session Chair: Associate Professor Rudrajit Mitra, South Dakota Mines, USA	13:10–14:10	Lunch
		14:10-14:20	Three Key themes for the future of mining programmes
08:00-08:20	08:20 Underground mine safety: An integrated approach for the course and personnel development A. Binder, A. Hutwalker, O. Langefeld, J. Bauermeister, M. Bothe-Fiekert, and S. Nowosad, Clausthal University of Technology, Germany	14:20-14:40	Presentation on survey results
		14:40-15:10	Group Discussion - Status updates
		15:10-15:40 15:40-16:10	Group Discussion - Barriers and opportunities Summary of Discussions MDC Members
08:20-08:40	Future mining education using immersive visualization technologies C. Zhang, S. Saydam, and I. Canbulat, <i>University of New South Wales, Australia</i>		
		16:10–16:25	Coffee Break
		16:25-17:15	Poster Session: 5-Minute presentation for authors
08:40-09:00	•		to introduce poster Session Chair: Professor Godfrey Dzinomwa, Namibia University of Science and Technology, Namibia
			Influence of controllable factors affecting pre-split quality at Navachab Gold Mine S.L. Iyambo, A.P. Shivute, and J.M. Akande, <i>University</i> of Namibia, Namibia
09:00-09:20	Developing competitive and soft skills in mining engineering students: Mining games and mining competitions		
	C. Gómez and D. Javier, <i>University of Huelva, Spain</i>	16:30–16:35	A comparison of discounted cash flow and Monte
09:20-09:55	Discussion: Curriculum Review		Carlo discounted cash flow valuation techniques on a gold mining project A.P. Shivute¹ and T. Tholana², ¹University of Namibia, Namibia and ²University of the Witwatersrand, South Africa
09:20-09:55	Curriculum review – My experience S. Raval, <i>University of New South Wales, Australia</i>		
09:55-10:25	Tim Shaw Award Presentation – George Barakos		
10:25-10:45	Coffee and Snacks Break	16:35–16:40	Compressive strength and controllable blasting
10:45–13:10	Session 4: Members Development Session Chairs: Associate Professors: Emily Sarver, Virginia Tech, USA and Andrea Brickey, South Dakota School of Mines and Technology, USA		parameters analysis for predicting muck-pile size and heave height at Husab Uranium Mine A.P. Shivute¹ and B. Adebayo¹,²,¹University of Namibia, Namibia and ²Federal University of Technology, Akure



Z. Agioutantis, University of Kentucky, USA



Final Programme

16:40–16:45	The role of the pulp-froth/ water-air interface on particle detachment in froth flotation C. Chipili and C. Bhondayi, <i>University of South Africa</i> ,	10:30 - 12:30	Session 8: Capacity Building Committee Session Chair: Professor Domingo Javier Carvajal Gomez, University of Huelva, Spain
	South Africa	10:30-11:30	Senior SOMP Members (Their Journey)
16:45–16:50	Knisselwoods: Our media lab A. Binder, A. Hutwalker, and O. Langefeld, Clausthal University of Technology, Germany Phytomining pollution at the Tsumeb smelter with the desert tamarisk tree, Tamarix usneoides I.M. Weiersbye¹, I. liyambo², V. Kvandjima², C. Sililo¹², and B.L. Dawson¹, ¹University of the Witwatersrand, South Africa and ²Dundee Precious	11:30-11:50	Humanitarian engineering Colombia: An initiative for engineering students from historically underserved communities J.C. Lucena², J. Fernando Pacheco², and O.J. Restrepo- Baena³, 'Colorado School of Mines, USA, 2'Uniminuto Bogotá, Colombia and 3'Universidad Nacional de Colombia, Columbia
16:50–16:55			
	Metals, Namibia	11:50-12:10	Teaching and learning collaboration M. Hitch, Western Australia School of Mines; Minerals,
16:55–19:00 19:30	Time at leisure Awards Dinner Dress code: Formal/traditional		Energy and Chemical Engineering, Faculty of Science and Engineering
		12:10-12:30	Future Regional Meetings
07:30-08:00	7, 14 September 2022 – Conference Day 3 Tea/Coffee/Hotel	12:30–13:10	Session 9: A Focus on Post Mining Session Chair: Professor Benjamin Mapani, Namibia University of Science and Technology, Namibia
08:00-10:00	Session 6: Research and Development and Industry Session Chair: Professor Kwame Awuah-Offei, Missouri University of Science and Technology, USA	12:30–12:50	Monitoring of land surface movements in a seismically active post-mining area during mine
08:00-08:20	Update on our work on the publication practices		closure - A case study V. Sokoła-Szewioła¹ and Z. Siejka², ¹Silesian University
08:20-08:40	Raw materials for the energy transition in view of the Russia-Ukraine war W. Frenz, <i>RWTH Aachen University, Germany</i>		of Technology, and ² University of Agriculture in Krakow, Poland
08:40-09:00	A generic central information environment framework for mining operations - a plausible alternative N.S. Mageza, A.S. Nhleko, and P.J.K. Leeuw, University of the Witwatersrand, South Africa	12:50–13:10	Post-mining for a better future: The development of the research center for post-mining at the TH Georg Agricola University J. Kretschmann, P. Goerke-Mallet, C. Dauber, and M. Hegemann, <i>TH Georg Agricola University, Germany</i>
09:00-09:20	Development of an automated roof bolting machine for underground coal mines S. Schafrik, P. Kolapo, and Z. Agioutantis, <i>University of</i>	13:10–13:50	Session 10: Closing Ceremony (Cultural Activity) Session Chair: Professor Harmony Musiyarira, Namibia University of Science and Technology, Namibia
00 20 00 40	Kentucky, USA	13:20-13:30	Handover of SOMP Flag: Outgoing President
09:20-09:40	The ultimate need for copper mining L. Rattmann, <i>TH Georg Agricola University, Germany</i>	13:30–13:50	New SOMP President Address
09:40-10:10	Coffee and Snacks Break		Conference Close
10:10-10:30	Session 7: IT Committee Session Chair: Professor Zach Agioutantis University of Kentucky, USA	13:50–14:30	Lunch
10:10-10:30	Overview of the IT Committee		