

IMPC2026

XXXII INTERNATIONAL MINERAL PROCESSING CONGRESS
18 - 22 OCTOBER 2026 CAPE TOWN SOUTH AFRICA

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Empowering a future-fit mineral processing industry

We would like to invite you to attend the
XXXII International Mineral Processing Congress
in Cape Town, South Africa from **18 - 22 October 2026**.

IMPC 2026 will be hosted by the Southern African Institute of Mining and Metallurgy (SAIMM).

PROGRAMME

MONDAY
19 OCTOBER 2026

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Venue:	Auditorium 1	Plenary
Session Chair	A. Mainza	
08:00-08:15	Opening Entertainment	
08:15-08:20	Safety Briefing	
08:20-08:25	Welcome Remarks by the Congress Chair, A. Mainza	
08:25-08:30	Welcome Remarks by the SAIMM President, T. Mmola	
08:30-08:35	Opening Remarks by IMPC President, R. Holmes	
08:40-09:10	Plenary Presentation, C. Miller, Valterra Platinum, South Africa	

Parallel Session 1:
Ore Body Characterisation
Venue: 2.44-2.46

Time	Theme / Session	**Session Chair:** M. Becker, *University of Cape Town, South Africa*
09:20-09:45	Keynote Address	**Scaling laboratory results to orebody-scale geometallurgical models** G.T. Nwaila[1], Í.G. Gonçalves[2], *[1]University of the Witwatersrand, Federal [2]University of Pampa, [1]South Africa, [2]Brazil*
09:50-10:10	Ore Body Characterization | Geometallurgy	**Using deep neural networks to predict ore hardness from geochemical and mineralogical data at a copper mine** T.A. de Almeida, M.P. Bueno , L. Laraa, M. *Powell,* *Geopyörä, Oulu, North Ostrobothnia, Finland*
10:15-10:35	Ore Body Characterization | Geometallurgy	**Developing robust geomet models using a data-driven approach** U. Siddiqui, R. Chandramohan, C. Meinke *Ausenco, Canada*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: C. Ulsen, *University of Sao Paulo, Brazil*
11:00-11:20	Ore Body Characterization | Geometallurgy	**Incorporating bulk-ore properties into particle-based separation models for higher accuracy predictions under varying feed properties** L. Pereira, M. Frenzel, M. Rudolph, R. Tolosana-Delgado *Helmholtz-Zentrum Dresden-Rossendorf, Helmholtz Institute Freiberg for Resource Technology, Germany*

11:25-11:45	Ore Body Characterization | Geometallurgy	**Acoustic wave propagation and machine learning for classification of geological material** C. Zühlke[1], E. Mihankhan[2], J. Zigman[2] *[1]The University of Sydney, [2]Rio Tinto Sydney Innovation Hub, Australia*
11:50-12:10	Ore Body Characterization | Geometallurgy	**Characterising microfracture development in ores using p-wave response and digital volume correlation by x-ray computed tomography** C. Månbro, M. Parian *Luleå University of Technology Sweden*
12:15-12:35	Ore Body Characterization | Mineralogy	**A framework for predicting ore suitability in selective heat ore treatment (S.H.O.T.) technology** B. Trevisa[1], T. Holmes[1], D.A. Craig[2], A. Jones[3], J. Tweed[3] [1]Jenike & Johanson Ltd., Canada [2]Jenike & Johanson Inc, USA, [3]Crescend Technologies, [1]Canada, [2]USA, [3]USA
12:40-13:00	Ore Body Characterization | Geometallurgy	**Development of a laboratory-scale attrition test for estimating rock wear rate** M. Parian[1], G. Moitinho[2], F. Abrahamsson[2], C. Månbro[1], J. Kolodziejczyk[3], E. Öberg[3] [1]Luleå University of Technology, [2]Boliden Mineral AB, [3]LKAB, [1,2,3]Sweden
13:00-14:00	Break	Lunch
		Session Chair: L. Pereira, *Helmholtz-Zentrum Dresden-Rossendorf e.V. Germany*
14:00-14:20	Ore Body Characterizationn | Geometallurgy	**Use of the modified hardgrove mill to determine the energy requirement of iron ore grinding** P.B. Oliveira, M.G. Bergerman *University of São Paulo (USP), Brazil*
14:25-14:45	Ore Body Characterization | Geometallurgy	**AI integration of drill core sawing energy, XRF mineralogy, and DEM simulation for predicting ore competence and comminution behaviour** J. Quist[1], V. Tojaga1, M. Baaz[1], N. Sani1, M. Nehler[2], M. Parian3, A. Krishnan[4], D. Brisling[5], F. Abrahamson[5], A. Mc Elroy[5], J. Kolodziejczyk[6], E. Öberg[6] *[1]Fraunhofer-Chalmers Centre for Industrial Mathematics (FCC), [2]Fraunhofer IEG, Bochum, Germany, [3]Luleå University of Technology, [4]DMT Group, Germany, [5]Boliden Minerals, [6]Luossavaara Kiirunavaara AB, [1,3,5]Sweden, [2,4,6],Germany*
14:50-15:10	Ore Body Characterization | Geometallurgy	**Development of an original method for the direct use of automated quantitative mineralogy data for the simulation of mineral processing processes with uncertainties** J. H. Guidihounme[1], K. Bru[2], S. Brochot[3], F. Bourgeois[1] [1]Université de Toulouse, [2]BRGM, [3]CASPEO, France
15:15:15:35	Ore Body Characterization | Mineralogy	**Decoding sulphide self-heating behaviour through electrical signatures: A review** U. Yenial-Arslan[1,2] ,E. Forbes[1,2] *[1] Julius Kruttschnitt Mineral Research Centre, [2] ARC Centre of Excellence on Eco-Efficient Beneficiation of Minerals, University of Newcastle, Australia*
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: M. Tadie, *Stellenbosch University, South Africa*

16:00-16:20	Ore Body Characterization | Mineralogy	**The complexities of ... diamond liberation and revenue at risk within a large diamond producer** E van Niekerk[1], P van der Westhuyzen[1], L. de Kock[2] *[1]Lycopodium Marine and Modular, [2]Storm Mountain Diamonds – Kao Mine, South Africa*
16:25-16:45	Ore Body Characterization | Mineralogy	**Mineralogical characterization, pretreatment, and leaching of rare earth elements from circulating fluidized bed boilercoal fly ash** T. Moyo-Mahlangua, J.S.Thellea, N.F. Fuadia, E.A. Ajiboyea, O.S. Ogunmodimua
16:50-17:10	Ore Body Characterization | Mineralogy	**Mineralogical characterisation and carbocatalytic reduction of copper slag for cobalt and copper extraction** T.C. Phiri[1], A.N. Nikoloski[2] *[1]The Copperbelt University, [2]Murdoch University, [1]Zambia, [2]Australia*
17:10	Programme Close	

Parallel Session 2:
Comminution
Venue: Roof Terrace

Time	Theme / Session	**Session Chair:** M. Tavares, *Federal University of Rio de Janeiro, Brazil*
09:20-09:45	Keynote Address	**Transforming equipment selection, process design and mine value by simulating the dynamic impact of ore variability** M. Powell *[1,2]University of Queensland, [2]CMR, University of Cape Town, [1]Australia, [2]South Africa*
09:50-10:10	Comminution | AG/SAG/ Ball Mills	**Tumbling mill power model: An alternative approach** S. Martins Metso, Canada
10:15-10:35	Comminution | AG/SAG/ Ball Mills	**Experimental investigation of particle shape effects in a tumbling mill** D.R. Dharmaraj, A. Karthiga M.N. Mangadoddy, *Indian Institute of Technology Hyderabad, India*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: S. Bremner, *Global Comminution Collaborative, South Africa*
11:00-11:20	Comminution | Crushers	**New technology design of a cone crushing chamber profile to improve process efficiency and increase liner life in a large-scale iron ore mining operation** R.P.V. de Oliveira[1], E.S.N. Filho[2], J.R. Marquesin[3], H. de Siqueira Queiroz[4], J.R.P. Santos[4], J. César da Silva[5], L.F. S. Silva[5] *[1]Centro Universitário Presidente Antônio Carlos (UNIPAC), [2]Fundação Getulio Vargas (FGV), [3]Universidade Federal de Minas Gerais (UFMG), [4]Pontifícia Universidade Católica de Minas Gerais (PUC-MG), [5]Universidade Federal de Catalão, Brazil*

11:25-11:45	Comminution | Crushers	**Modelling the output particle size distribution of TAKRAF sizers and roll crushers** M. Schmidt, *TAKRAF GmbH, Germany*
11:50-12:10	Comminution | Crushers	**Design, commissioning, and operational performance of a pebble crusher circuit at barrick lumwana copper concentrator plant** *N. Monareng, K. Lee, K. Kiangi, A. van Zyl, W. Dixon, M. Katsoulis*
12:15-12:35	Comminution | Crushers	**Decarbonising comminution: An integrated scope 2 + scope 3 energy–wear–carbon model for iron-ore cone crushers** T. Veneroso[1], B. Klein[1], S. Mišković[1], M. Bergerman[2], P. Radziszewski, [1] B. Norman *Keevil Institute of Mining Engineering, University of British Columbia, [2]Universidade de São Paulo, São Paulo, [1]Canda, [2]Brazil*
12:40-13:00	Comminution | Crushers	**Transforming wear challenges into performance gains: practical insights from impact crusher and vertical roller mill applications** F. Destat, B. Clermont, G. Deliége, *Magotteaux International SA, Belgium*
13:00-14:00	Break	Lunch
		Session Chair: H. Benzer, Hacettepe University, Turkey
14:00-14:20	Comminution | Vertical Roller Mills	**Expanding the Scope of Dry Ore Processing Technologies using Vertical-Roller-Mills** C. Gerold[1], C. Schmitz[1], J. Martens[1], D. David[2], S. Baaken[3], J.J. Frausto[4] *[1]Loesche GmbH, [2]Wood Perth, [3]Loesche Australia, [4]Julius Kruttschnitt Mineral Research Centre, Sustainable Minerals Institute, The University of Queensland, [1]Germany, [2,3,4]Australia*
14:25-14:45	Comminution | Vertical Roller Mills	**Adaptation of a mature technology – ore grinding with vertical roller mills** C. Woywadt[1], C. Altherr[2], A. Kluge[1] *[1]Gebr. Pfeiffer Mining GmbH, [2]Gebr. Pfeiffer SE, Germany*
14:50-15:10	Comminution | Vertical Roller Mills	**Use of vertical roller mills in addressing milling challenges in flowsheets for complex ores** A. Mainza, W. Little, S.H. Nyakunuhwa, K.M. Becker, M. Corin, H. Benzer A, C. Gerold
15:15:15:35	Comminution | Vertical Roller Mills	**Vertical Roller Mill start-up optimization to reduce variation in soluble anhydrate content between start-up and steady-state conditions** D. Nkuna, S. Bremner, A.N. Mainza
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: C. Gerold
16:00-16:20	Comminution | Crushers	**A tool to enhance cone crushers' performance: JK Crusher Soft Sensor (JK CSS)** S. Zare, C. Zuluaga Bedoya, M. Yahyaei, M. Hilden, G. Forbes, T. Ledezma *Julius Kruttschnitt Mineral Research Centre, University of Queensland, Australia*

16:25-16:45	Comminution | Crushers	**Insights into iron ore fragmentation through crack propagation analysis** V.F. Moutinho, N.F. Motta, R. Neumann, L.M. Tavares *Federal University of Rio de Janeiro (UFRJ), Brazil.*
16:50-17:10	Comminution | HPGRs	**Reduced energy consumption and optimized performance through replacing SABC with third generation HPGR-ball mill circuit – A case study of Miduk copper beneficiation plant** M. Zareeghajari, M.M. Bahar, A.H. Sepehrnia, S.M. Saghaeian, M.V. Sheikhzadeh *Fakoor Sanet Tehran Company, Iran*
17:10	Programme Close	

Parallel Session 3:
Flotation 1
Venue: Auditorium 1

Time	Theme / Session	**Session Chair:** Prof C. O'Connor, University of Cape Town
09:20-09:45	Keynote Address	**Profitability of the greater South African PGM industry: The need for step change** A. Singh *Valterra Platinum, South Africa*
09:50-10:10	Flotation | Kinetics	**Dependence of flotation rate constant on particle size in the REFLUX™ flotation cell: Development of a robust methodology** S.W.E. Aziblame, M. Firouzi, K.P. Galvin *University of Newcastle, Australia*
10:15-10:35	Flotation | Chemistry	**Evaluating the potential of high-internal phase water-in-oil emulsion in extracting ultra-fine graphite** H.I.R.K. Ralalage, D.J. Borrow, K.P. Galvin *University of Newcastle, Australia*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: Z. Ekmecki
11:00-11:20	Flotation | Chemistry	**A new structure-performance regulation strategy for metal-based colloidal collectors: hydroxylation and electronic effects** Z. Zhang[1], J. Fu[1], H. Han[1,2], W. Sun[1,2], Y. Hu[1,2], Z. Wei[3] *[1]Central South University, [2]State Key Laboratory of Mineral Processing, [3]China University of Mining and Technology, Xuzhou 423000, China*
11:25-11:45	Flotation | Chemistry	**Investigation of a novel depressant for flotation separation of chalcopyrite and galena: Experiments and adsorption mechanisms** C. Liu, Y. Zhu. *BGRIMM Technology Group,China*

11:50-12:10	Flotation | Chemistry	**Influence of a hydrophilic fluidised bed on bubble coalescence dynamics in fluidised bed flotation** A. Skliar[1], I. Verster[1,2], U.Y. Arslan[1,2], G. Forbes[1,2], L. Forbes[1,2] *[1]Julius Kruttschnitt Mineral Research Centre, University of Queensland, [2]ARC Centre of Excellence on Eco-Efficient Beneficiation of Minerals, University of Newcastle, Callaghan, Australia*
12:15-12:35	Flotation | Chemistry	**Mineral occurrences in the DPM-Metals Chelopech ore and their role in bulk sulfide flotation and solid/liquid separation of tailings** P. Mutenabi[1], D. Sabeva[2], S Djamarov[2], M. Aâtach[1], S. Gaydardzhiev[1] *[1]GeMMe- Mineral Processing, University of Liege, [2]DPM Metals, 2087 Chelopech, [1]Belgium, [2]Bulgaria*
12:40-13:00	Flotation | Chemistry	**Fine classes flotation efficiency elevation on the example of the carbon-containing raw materials** V.V. Kuznetsov, T.N. Aleksandrova *Empress Catherine II Saint-Petersburg Mining University, Russia*
13:00-14:00	Break	Lunch
		Session Chair: K. Corin, University of Cape Town
14:00-14:20	Flotation | Chemistry	**Investigation of Ionic Interference: AFM Study of the Specific Effects of Na^+ and Mg^{2+} on Amine Adsorption onto Quartz** M.R.N. Alvares[1,2] ,N.M. Willeman[1], I.D. Santos[2] ,M.B.M. Monte[1] [1]Centre for Mineral Technology (CETEM), [2]Instituto Tecnológico Vale, Brazil
14:25-14:45	Flotation | Chemistry	**Substantiation of new reagent-collectors based on polyvinylcaprolactam and morpholinedithiocarbamate for flotation of minerals of non-ferrous and precious metals** T.N. Matveeva, V.A. Chanturiya, V.V. Getman, A.Yu. Karkeshkina, N.K. Gromova *Institute of Comprehensive Exploitation of Mineral Resources Russian Academy of Russia, Russia*
14:50-15:10	Flotation | Chemistry	**Physical Processing of Printed Circuit Board Production Waste for Metal Recovery and Enrichment** S.A. Patil[1], S. Ahn[1,2] ,D. Hoang[1,3] ,A. Krebs[4], M. Rudolph[1] *[1]Helmholtz -Zentrum Dresden- Rossendorf, Helmholtz Institute Freiberg for Resource Technology (HIF), [2]Institute for Technical Chemistry, [3]Maelgwyn Mineral Services Limited* *[4]FireBox Swiss AG, [1,2]Germany, [3]United Kingdom, [4]Switzerland*
15:15:15:35	Flotation | Chemistry	**Electrochemical Investigation of Sulphide Minerals and Xanthate Collector Interaction in Varying Water Quality** T.V. Chibaya, D. Kasymova, E. Saari, M. Tadie, K. Heiskanen, C.T. O'Connor, K.C. Corin 1Centre for Minerals Research, University of Cape Town, South Africa
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: P. Ngoepe, University of Limpopo, South Africa
16:00-16:20	Flotation | Chemistry	**Adding a macromolecular depressant after collector-a novel investigation in flotation separation of galena from chalcopyrite** X. Tan[1], X.R. Zhang[2], C.Y. Sun[1], Y.G. Zhu[1] *[1]BGRIMM Technology Group, [2]Qingdao University of Science and Technology, China*
16:25-16:45	Flotation | Chemistry	**Effect of dissolved ions and pH on the recovery of copper by flotation from a sulphide ore from Namibia** D. K. Chisiza[1], T. Nghipulile[1], M. S. Manono[2], G. Dzinomwa[1] [1]Namibia University of Science and Technology, [2]University of Cape Town, [1]Namibi, [2]South Africa

16:50-17:10	Flotation | Chemistry	**Low-alkaline flotation of spodumene enabled by Fe^{3+} activation and an ODA-2 depressant** M. Cui, D. Lu, Y. Wang, X. Zheng *Central South University, Changsha, China*
17:10	Programme Close	

Parallel Session 4:
Flotation 2
Venue: 1.61-1.62

Time	Theme / Session	
		Session Chair: B. Gorain
09:20-09:45	Keynote Address	**The Frontiers of Flotation** R. Kappes, *Newmont Corporation, USA*
09:50-10:10	Flotation | Cells	**Evaluation of intensified flotation cells in hybrid circuits for enhanced metallurgical performance** J. Yianatos, M. Benítez, P. Vallejos, I. Sherrel, A. Yañez, D. Betancourt 1. Universidad Técnica Federico Santa María, Chile. 2. Metso Finland Oy, Rauhalanpuisto 9, 02230 Espoo, Finland. Chile
10:15-10:35	Flotation | Cells	**Jameson cell technology piloting for Au-Cu recovery at Goldex** J. L. Khouri[1], L. Belzileb[2] L. Lavigne[2], V. Tremblay[2], G. Gagnon[2], M. Auch-Roy[1], N. Singh[1], F. Robichaud[1] *[1]Agnico Eagle Mines – CSD, [2]Agnico Eagle Mines – Goldex Division, Canada*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chairs: N. Patterson, Sylvania Platinum, South Africa
11:00-11:20	Flotation | Cells	**Study on Flow Field Characteristics of a Novel Mechanical Flotation cell for Fine Particles** C. Feifei[1], S. Shuaixing[1], F. Xuesai[1], Z. Ming[1], Y. Yue[1], S. Weicheng[1], D. Lili[2] *[1]BGRIMM Machinery and Automation Technology Co., Ltd., [2]Tianjin Tianhe Computer Technology Co. Ltd, China*
11:25-11:45	Flotation | Cells	**Reprocessing fine and ultrafine copper, gold and cassiterite tailings using pneumatic imhoflot cells** D. H. Hoang[1,2,3] A. Hassanzadeh[1], M. Rudolph[2] *[1]Maelgwyn Mineral Services Limited, [2]Helmholtz Institute Freiberg for Resource Technology, [3]Hanoi University of Mining and Geology, [1]United Kingdom, [2]Germany [3]Vietnam*
11:50-12:10	Flotation | Cells	**Cluster layer and froth phase dynamics in fluidized-bed flotation** S.J. Anzoom[1,2] ,Seher Ata[1] *[1]University of New South Wales, [2]Université de Lorraine, [1]Australia, [2]France*
12:15-12:35	Flotation | Cells	**Modernization of molybdenum flotation: A case study with Rio Tinto Kennecott Copper** C. Smith, C. Strauss, D. Hatton, T. Banerjee *Woodgrove Technologies Inc. Canada*

12:40-13:00	Flotation | Cells	**X-ray Radiography for revealing particle dynamics in flotation froth** I. Shaha, G. Bournivala, S. Ataa, *University of New South Wales, Australia*
13:00-14:00	Break	Lunch
		Session Chair: M. Safari, Mintek, South Africa
14:00-14:20	Flotation | Cells	**Unlocking Alcohol – Collector Synergy in Coarse Flotation Through Reflux Flotation Cell Hydrodynamics** J. Chen, L. Cao, Y. Penga *The University of Queensland, Australia*
14:25-14:45	Flotation | Cells	**Three-phase cfd simulation and optimization of dynamic parameters in an industrial-scale wemco flotation cell** R. Navab, O. Mohammad, D. Reza, H. Rasool, B. Zeinab, A. Gholamreza *Fakoor Meghnatis Spadana, Companylran*
14:50-15:10	Flotation | Cells	**To study the behavior of kinetic models with green chemicals by using bubble view technique** K. Mohanty, J. Oliva, C.H. Sampaio, H. Anticoi, P.O. Cot, D.A. Hernandez, A.A. Casanovas *UPC Barcelona, Spain*
15:15:15:35	Flotation | Cells	**Evolution of flotation cells: Dealing with flotation of fine and coarse particles** H.R. Manouchehri[1,2] [1] *Northland OreTech AB (Mining, Mineral & Metallurgical Processing, Waste Treatment)* [2] *NBK Institute of Mining Engineering, University of British Columbia (UBC), Canada*
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: D. Deglon, University of Cape Town, South Africa
16:00-16:20	Flotation | Cells	**Pulp and froth interactions - The link between air recovery and gas holdup** J. Martinez, D. Mesa, S.J. Neethling, P.R. Brito-Parada *Imperial College London, United Kingdom*
16:25-16:45	Flotation | Cells	**Research and application progress of BGRIMM flash flotation technology** ZHANG Fu-yaa, SHI Shuai-Xinga, ZHANG Yue-Juna, FAN Xue-Saia, ZHANG Minga *BGRIMM Machinery & Automation Technology Co., Ltd., State Key Laboratory of Mineral Processing, China*
16:50-17:10	Flotation | Cells	**Enhanced flotation separation of copper and sulfur by different shape/material grinding media during regrinding of mixed concentrate** *Xin Jin, Shihong Xu, Wei Sun, Zhiyong Gao* *Central South University, China*
17:10	Programme Close	

Parallel Session 5:
Extractive Metallurgy
Venue: 1.63-1.64

Time	Theme / Session	**Session Chair:** J. Petersen, University of Cape Town, South Africa
09:20-09:45	Keynote Address	**Critical Metals and Materials: Fundamental Science and Metallurgical Separation** J. Liu, *Zhengzhou University, China*
09:50-10:10	Extractive Metallurgy | Hydrometallurgy	**New impeller innovation for HPAL applications** M. Labusch, N. Bussmann, N. Rohn, W. Keller *EKATO Rühr- und Mischtechnik GmbH, Germany*
10:15-10:35	Extractive Metallurgy | Hydrometallurgy	**Investigation of the nickel recovery and iron removal from nickel matte: Comparison between atmospheric and pressure leaching** S.Lee, C.Nam, W.L.E.E. Y.Jang, M.Kim *Resources Utilization Division, Korea Institute of Geoscience and Mineral Resources (KIGAM) Republic of Korea*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: *G. Dzinomwa, Namibia University of Science and Technology, Namibia*
11:00-11:20	Extractive Metallurgy | Hydrometallurgy	**Controlled reduction of low-grade goethitic nickel laterite: Insights into phase transformations and enhanced nickel leaching** T. Amos-Judge[1,2,4] ,Zijan Liu[3,4],R. Asamoah[1,2,4] *[1]University, Mawson Lakes, [2]Adelaide University, [3]University College London, [4]Australia - India Strategic Research Fund (ASIRF), Adelaide University, Australia, [1,2,4]Australia, [3]United Kingdom*
11:25-11:45	Extractive Metallurgy | Hydrometallurgy	**Synergistic effects of mechanical activation and additive leaching on nickel and cobalt extraction from refractory laterite ores** G. Acquah, J. Addai-Mensah, R. Asamoah *University of South Australia Australia*
11:50-12:10	Extractive Metallurgy | Hydrometallurgy	**Converting the magnesium liabilities into opportunities in nickel laterite hydrometallurgy process** P.T. Ikhbal Indoterra Metallurgy Solutions, Indonesia
12:15-12:35	Extractive Metallurgy | Hydrometallurgy	**Cost-efficient graphite recovery from LFP black mass without thermal treatment** M. Muller, L.N. Mettke, H.E. Obuz, B. Yagmurlu *Clausthal University of Technology, Germany*
12:40-13:00	Extractive Metallurgy | Hydrometallurgy	**From toxic waste to critical mineral: Valorisation of spent pot liner for high-purity graphite recovery** S.K. Mahanta, U. Balaji *CSIR Institute of Minerals and Materials Technology,India*

13:00-14:00	Break	Lunch
		Session Chair: *T. Coetzee, Memcon, South Africa*
14:00-14:20	Extractive Metallurgy | Hydrometallurgy	**Pre-treatment of rare earth phosphate minerals to enhance leaching of rare earth elements - A review** S. Mokoena[1], G. Ndlovu[1], E. Muller[1], P. Petersen[2], T. Mokone[2] *[1]Mintek, [2]University of Cape Town, South Africa*
14:25-14:45	Extractive Metallurgy | Hydrometallurgy	**Sustainable recovery of critical metals from metallic end-of-life sources** B. Yagmurlua *Clausthal University of Technology, Germany*
14:50-15:10	Extractive Metallurgy | Hydrometallurgy	**Two-stage acid leaching of rare earth elements from waste fluorescent lamp phosphors** L. Bumhira[1], C. Dorfling[1], G. Akdogan[1,2] *[1]Stellenbosch University, [2]University of Alaska Fairbanks, [1]South Africa, [2]USA*
15:15:15:35	Extractive Metallurgy | Hydrometallurgy	**The state of copper heap leaching: A technological** A. Johnston, R. Dunne, Canada
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: *D. Verwey, BME Metallurgy, South Africa*
16:00-16:20	Extractive Metallurgy | Hydrometallurgy	**Effect of mechanical pre-treatment and ammonium salts on copper and nickel extraction from waste printed circuit boards** K.E. Nkubu, J. Petersen, C.T. Mangunda *University of Cape Town, South Africa*
16:25-16:45	Extractive Metallurgy | Hydrometallurgy	**Enhancing Copper Solvent Extraction Efficiency Overcoming Bottlenecks** M. Hesampour, N. Mautsa, B. Nel, M. Mbonambi, K. Henttunen, X. Yin, J. Miller *Kemira, USA*
16:50-17:10	Extractive Metallurgy | Hydrometallurgy	**Exploring the feasibility of integrating a nanofiltration membrane in the hydrometallurgical processing of copper-cobalt to recover acid and improve process efficiency** *W.A. Ngobeni, D. Verwey* *(BME Metallurgy, South Africa), T. Coetzee (Memcon, South Africa)*
17:10	Programme Close	

Parallel Session 6:
Plant Design | Process Modelling and Control | Classification | Dewatering
Venue: 2.41-2.43

Time	Theme / Session

09:20-09:45	Keynote Address	**Modelling and Simulating Minerals Processing Systems** S. Neethling *Imperial College London, United Kingdom*
09:50-10:10	Plant Design | Integrated Flowsheets	**A hybrid approach to processing complex iron ores: Development of a flowsheet for the karakuz deposit** A. Moeini, R. Hejazi, B. Pourabdolahnejad, G. Alavi, K. Shirazi *Fakoor Meghnatis Spadana (FMS) Company, Iran*
10:15-10:35	Plant Design | Integrated Flowsheets	**Application of the hybrid classification concept to improve grinding and flotation circuit performance** O. Darilmaz[1], N.A. Toprak[2], B. Zhang[3], B. Arabacilar[3], A. Tirnakcioglu[1], O. Altun[2] *[1]Cayeli Bakir Isletmeleri, [2]Hacettepe University, [3]Derrick Corporation, [1,2]Turkiye, [3]USA*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: *K. Uys, Mining3, South Africa*
11:00-11:20	Process Modelling & Control | Simulation and Modelling	**Enabling the comminution booster: PSA sensors, magosense and magoload** B. de Haas[1], M. Kuckart[1], C. Rohwer[2] *[1]Magotteaux International SA, [2]Stone Three Digital, [1]Belgium, [2]South Africa*
11:25-11:45	Process Modelling & Control | Simulation and Modelling	**Mineral quantification from bulk assays in a polymetallic deposit using linear programming with bayesian regularisation and its application in a geometallurgical program** T.O. Silva, A.F.M Junior Nexa Resources
11:50-12:10	Process Modelling & Control | Simulation and Modelling	**Modelling mineral separation processes using deep machine learning algorithms** K.V. Fedotov, R.V. Kononenko, M.A. Popov *Federal State Budget Educational Institution of Higher Education, Irkutsk National Research Technical University, Russia*
12:15-12:35	Process Modelling & Control | Simulation and Modelling	**Microstructure-aware stochastic-geometry-based breakage models** S. Ncube, F. Mulenga, M. Namaiko *University of South Africa, Zambia*
12:40-13:00	Future Mining & Processing | Small-scale & Artisanal Mining	**Analysis of the time dependent behaviour of soundless chemical demolition agents in gemstone artisanal and small-scale mining in zambia: Redefining the future of rock breaking without explosives** S. Ncube, F. Mulenga, M. Namaiko *University of South Africa, Zambia*
13:00-14:00	Break	Lunch
14:00-14:20	Classification | Cyclones	**Mechanism of the influence of fine particles on the separation effect in water-medium cyclone separation** J. Kangpeia, F. Yuping, D. Xianshu, Zhong Zhen, Z Junyang University of Technology, China
14:25-14:45	Classification | Cyclones	**Quantifying the Influence of Classification with the Three-Product Hydrocyclone on Flotation Response of Platreef Ore** E. Mavhungu, S. Bremner, A.N. Mainza South Africa

14:50-15:10	Classification | Cyclones	**Detection of spray and roping conditions in a hydrocyclone using electrical resistance tomography and its implications for performance** S. Diddi, P.Jampana, N. Mangadoddy *Indian Institute of Technology Hyderabad, India*
15:15:15:35	Classification | Cyclones	**Particle-composition-dependent instability of the hydrocyclone air core: A ct study of morphology, diameter evolution, and fluctuation** M. Chunhan, D. Xianshu, F. Yuping ,L. Yaning University of Technology, China
15:35-16:00	Break	Afternoon Refreshments
16:00-16:20	Dewatering | Filtration	**Advances in mining centrifugation: Retrospective analysis and future directions in solid/liquid separation** S. Benyo[1], N. Schwarz[2], R. Klug[1], J. Cordova[1], T. Ostrom[1] [1]Flottweg, [2]Schwarz Global Consulting, USA
16:25-16:45	Dewatering | Thickening	**Comprehensive Modelling of Solid-Bowl and Screen-Bowl Centrifuges for Digital Twin Applications** H. Park, L. Wang, The University of Queensland, Australia
16:50-17:10	Dewatering | Thickening	**Mechanisms enhancing ultra-high-pressure dewatering: critical pressure effects and chemical regulation of tailings slurry pore interfaces mediated by chemical agents** Yanze Mua; Xiaomin Maa,b,c; Xianshu Donga; Yuping Fana; Pengcheng Wena
17:10	Programme Close	

Parallel Session 7:
Grade Engineering
Venue: 2.61-2.63

Time	Theme / Session	**Session Chair:** N. Naude, University of Pretoria, South Africa
09:20-09:45	Keynote Address	**DE-XRT signal fine tuning for improving sorting for selective mining and processing of coal seams** M. Holuszko, Y.R. Zhang, N. Yoon, L.H. Li, University of British Columbia, Canada
09:50-10:10	Grade Engineering | Preconcentration	**Advantages of the triple product multi-sensor sorting system for flexible mineral preconcentration and mining waste treatment** J. Kolacz, J. Progorowicz, *Norway*
10:15-10:35	Grade Engineering | Preconcentration	**Methodology for assessing the applicability of pre-concentration using small sample masses: A case study of a Brazilian sulfide copper ore** J. G. Sanches[1], I. O. Milagres[2], P. M. Esteves[2], H. A. Queiroz[3], C. Ulsen[3], P. F. A. Braga[1], M. G. Bergerman[3] *[1]Coordination of Mineral Processes– Centre for Mineral Technology, Rio de Janeiro, [2]Steinert Latinoamericana, [3]University of Sao Paulo, Brazil*

10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: *M.G. Bergerman, Escola Politécnica da USP, Brazil*
11:00-11:20	Grade Engineering | Ore Sorting	**Managing process plant feed grade using sensor-based classification technologies for improved productivity at a large-scale copper mine** G. Pamparana[1], B. Klein[2], M. Haest[1] *[1]MineSense Technologies Ltd., [2]The University of British Columbia, Canada*
11:25-11:45	Grade Engineering | Ore Sorting	**Advanced analytical chemistry for rhodium recovery and quantification in merensky and platreef ores, advanced analytical chemistry for rhodium recovery and quantification in merensky and platreef ores** M.R. Letsoalo, N. Mukwevho J. Sehata, T.L.. Moodley J. Tshilongo, *Mintek, South Africa*
11:50-12:10	Grade Engineering | Preconcentration	**Strategic assessment of x-ray ore sorting for pre-concentration** C. O. Petter[1], W. C. Schmitzhaus[2], R. Petter[1], H. Campos[1] *[1]Universidade Federal do Rio Grande do Sul (UFRGS), [2]Instituto Federal de Mato Grosso do Sul, Brazil*
12:15-12:35	Grade Engineering | Preconcentration	**Reducing water and energy consumption of magnetite beneficiation plant by introducing multi-stage dry pretreatment** A. H. Sepehrnia, M. Mohammadinejadbahar, M. Zareeghajari, S. M. Saghaeian, M. V. Sheikhzadeh *Fakoor Sanat Tehran Company, Iran*
12:40-13:00	Grade Engineering | Preconcentration	**Evaluation of two different processing approaches for beneficiation of low-grade hematite-goethite ores of the iron processing plant's tailings dams** N. Esmaeili, L. Hosseini, A. D. Ahmadabadi, M. Zareeghajari, S.M. Saghaeian, M.Va. Sheikhzadeh *Fakoor Sanat Tehran Company, Iran*
13:00-14:00	Break	Lunch
		Session Chair: B. Klein, University of British Columbia, Canada
14:00-14:20	Grade Engineering | Waste Rejection	**Mineralogical-based modeling for comilog's ultrafine mn ore recovery** L. Ferraraa[2], Y. Foucaud[3], T. Wallmach[2], F. Tsamob[3], M. Dade[2], S. Lafon[2], T. Riegler[2], S. Munnier[2], M. Badawi[1] [1]Université de Lorraine, [2]Eramet IDEAS, Trappes, [3]Université de Lorraine, CNRS, GeoRessources, France
14:25-14:45	Grade Engineering | Ore Sorting	**Manganese ore fines: Challenges, and utilization prospectives** Y.R. Murthy, G.U. Kapure, S. Misra, *Tata Steel Ltd., India India*
14:50-15:10	Grade Engineering | Waste Rejection	**Investigation of macroscopic, chemical, and physical factors influencing discrepant responses of the de-xrt sensor: A copper ore case study** E.G. Santos
15:15:15:35		
15:35-16:00	Break	Afternoon Refreshments
16:00-16:20	Grade Engineering | Ore Sorting	

16:25-16:45	Education - Minerals Processing	
16:50-17:10	Grade Engineering | Ore Sorting	
17:10	Programme Close	

Parallel Session 8:
Sustainability
Venue: 1.41-1.42

Time	Theme / Session	**Session Chair:** A. Orbecido, De La Salle University, Philippines
09:20-09:45	Keynote Address	**Integration and flexibility from geology to sales** A. Köttgen, *First Quantum Minerals Ltd*
09:50-10:10	Sustainable Development | Sustainable Mining	**Closing the Loop: Sequestration of Industrial CO^2 and Mining Waste Using CO^2 Swing Process for Stable Magnesium Carbonate Precipitation** E.C. Stimpson, K.C.Sole, S. Ramjee, *University of Pretoria South Africa*
10:15-10:35	Sustainable Development | Sustainable Mining	**Redefining artisanal and small-scale mining (ASM): The mineral security pivot** D. Mashizha, L.T. Mashizha Rwanda
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: C. Antonio, *The University of Queensland, Australia*
11:00-11:20	Sustainable Development | Sustainable Mining	**The dynamics of supply disruptions along the value chains of battery materials** G. Poelzer, M. Pettersson, J. Rosenkranz *Division of Minerals and Metallurgical Engineering, Luleå University of Technology Sweden*
11:25-11:45	Sustainable Development | Sustainable Mining	**Comparative evaluation of conventional and agglomeration flotation for Cu, Pb, and Zn recovery from namibian old tailings** M. B. Ncube, T. Nghipulile, G. Dzinomwa
11:50-12:10	Sustainable Development | Sustainable Mining	**Slag design for aluminium circular processing in aluminothermic reduction of MnO^2–type ore** T. Coetsee[1], F.J. De Bruin[2] *[1]University of Pretoria, Pretoria 0002, [2]Independent Metallurgical Consultant, Pretoria South Africa*
12:15-12:35	Sustainable Development | Sustainable Mining	**Evaluation of Mextral 3739H C for early stage lithium solvent extraction in hydrometallurgical battery recycling** L.N. Mettke, B. Yagmurlu *[1]Clausthal University of Technology, Institute of Geotechnology and Mineral Resouorces, Germany*

12:40-13:00	Sustainable Development | Sustainable Mining	**Desalinated water supplies for the mining industry: Evaluating environmental impacts under uncertainty in the Atacama region** R. Ryder[1], J. Avalos-Patino[1], J. Segura-Salazar[2], Y. Plancherel[1], P. Brito-Parada[1] *[1]Royal School of Mines, Imperial College London, United Kingdom [2]University of Queensland, Brisbane, Australia*
13:00-14:00	Break	Lunch
		Session Chairs: *J. Rosenkranz*
14:00-14:20	Sustainable Development | Sustainable Mining	**Vacuum deaeration: a reagent-free technology for destabilising overly stable froths in iron ore flotation** L. Cao[1], L. Liu[1], Q. Liu[2], Y. Peng[1] *[1]The University of Queensland, Brisbane, [2]University of Alberta, Edmonton, Alberta, 1 Australia, [2]Canada*
14:25-14:45	Sustainable Development | Environmentally Responsible Processing	**Quantifying the impact of roping events on the recovery and net metal production** R. Bruna, R. Maron, A. Jaque, A. Ramos, Cidra USA
14:50-15:10	Sustainable Development | Sustainable Mining	**Exploring decarbonisation strategy zones (dszs) for sustainable development in zambian mining towns** L Lunga, Konkola Copper Mines, iCRAG SFI Research Centre for Applied Geosciences, Zambia
15:15:15:35	Sustainable Development | Sustainable Mining	**Using the functional resonance analysis method (fram) to promote risk awareness in a mineral processing laboratory** L. Tong, B. Klein, B. Norman *Keevil Institute of Mining Engineering, University of British Columbia, Canada*
15:35-16:00	Break	Afternoon Refreshments
16:00-16:20		
16:25-16:45		
16:50-17:10		
17:10	Programme Close	

Parallel Session 9:
Sustainability
Venue: 1.43-1.44

Time	Theme / Session	**Session Chairs:** A. Salces
09:20-09:45	Keynote Address	**Life cycle engineering for sustainable battery material supply** C. Hermann *Technische Universität Braunschweig, Germany*

09:50-10:10	Sustainable Development | Circular Economy	**Combining wet high-intensity magnetic separation and froth flotation for direct recycling of NMC-type black mass: challenges and opportunities** L. A. Gomez-Moreno, A. Klemettinen, R. Serna-Guerrero, *Aalto University, Espoo, Finland*
10:15-10:35	Sustainable Development | Circular Economy	**Enabling circular battery industry through green acid purification of waste-derived carbon** M.J.C. Bondoc[1], J. H. Jorolan[1], J. Gamutan[1], J. Martin[2], Hyung-Sub Eom[3], R. Diaz Alorroa, [1]*Western Australian School of Mines, Curtin University, Australia* [2]*Department of Physics and Astronomy, Curtin University, Australia* [3]*Industrial Materials Research Group Rare Metals Cell, Research Institute of Industrial Science and Technology, South Korea*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chair: L. Hockaday, Curtin University, Australia
11:00-11:20	Sustainable Development | Circular Economy	**Spent lithium-ion battery recycling: Solvometallurgical extraction of valuable metals from black mass** J.H. Jorolan[1], G. Gi Lee[2], R.D. Alorro[1] [1]WA School of Mines, Faculty of Science and Engineering, Curtin University, Australia [2]Materials & Processing Research Laboratory, Research Institute of Industrial Science & Technology (RIST), Republic of Korea
11:25-11:45	Sustainable Development | Circular Economy	**Developing a systematic approach for identifying appropriate bulk repurposing options for mine tailings** H.M. Stander, S. Govender, J.R.A. Filho, M. Becker, J.L. Broadhurst *University of Cape Town, South Africa*
11:50-12:10	Sustainable Development | Circular Economy	**Repurposing of Coal Fly Ash into Secondary Raw Material of Rare Earth Elements** V.J. Resabal, C.B. Tabelin, J.B. Zoleta, M.L.P. Pongcol, M.V. Cabatingan, L.C. Silva, A.A. Mugot, L.R. Lumasag, V.B.C. Sullaga, J.C. Gadapan, F.J.E. Salo *University-Iligan Institute of Technology, Philippines*
12:15-12:35	Sustainable Development | Circular Economy	**Leaching of BOF Slag in Carbonic Acid and Citric Acid – Possible Ways of Recycling Iron Oxides and Phosphorus** A. Boehm, *Institute of Mineral Processing / Technical University of Leoben, Austria*
12:40-13:00	Sustainable Development | Circular Economy	**Resource flows and material composition of end-of-life tyres in Togo: Implications for secondary raw material recovery** M.M. Narra[1], K. Agboka[2], S. Narra[1] [1]*University of Rostock,* [2]*University of Lomé,* [1]*Germany,* [2]*Togo*
13:00-14:00	Break	Lunch
		Session Chair: C. Hoffman, Universitat Politècnica de Catalunya, Spain
14:00-14:20	Sustainable Development | Environmentally Responsible Processing	**Developing a systematic approach for identifying appropriate bulk repurposing options for mine tailings** F. Norlund[1,2], J. Sikström[2], M. Bauer[3] [1]Lund University, Lund, [2]Boliden AB, [3]University of Applied Sciences, [1,2]Sweden, [3]Germany
14:25-14:45	Sustainable Development | Sustainable Mining	**The feasibility of replacing truck-based transport with IPCC in a large-scale open-pit iron ore mine: Cost-benefit and operational analysis** M. Mohammadinejadbahar, M. Zareeghajari, S. Majid Saghaeian, M.V. Sheikhzadeh

14:50-15:10	Sustainable Development | Sustainable Mining	**Process robustness in Brazilian chromite: Friable to compact transition at Santaluz deposit** T. Ribeiro
15:15:15:35	Sustainable Development | Sustainable Mining	**An investigation into the dissolution of mercury and arsenic during gold leaching using glycattm** S. Mosallanejad, F. Trask, G. OMalley *Draslovka Mining Innovation Centre, Australia*
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: V.J. Resabal, Mindanao State University-Iligan Institute of Technology , Philippines
16:00-16:20	Sustainable Development | Environmentally Responsible Processing	**Overcoming limited data challenges for conducting lca feasibility studies of mining waste facilities** X. Xiao[1], K. Bhadani[1], G. Asbjörnsson[1], M. Varelija[2], V.B. Erlandsson[3], R. Hellingwerf[4], P. Hartlieb[2], M. Evertsson[1] [1]Chalmers University of Technology, [2]University of Leoben, [3]Technical University of Leoben, [4]Grangex AB, [1,4]Sweden [2,3]Austria
16:25-16:45	Sustainable Development | Environmentally Responsible Processing	**Dry concentration of phosphate ore by using a pilot scale Triboelectrostatic Belt Separator** S.C.C. Brenda, E.S. Gleisson, G. Hervé and S.L.F. Laurindo *University of São Paulo / ST Equipment & Technology LLC*
16:50-17:10	Sustainable Development | Social Performance	**Integrating social mapping and gis to strengthen community participation in decision-making for rehabilitating legacy mines** M. Suelto, D. Alonzo, I.M. Dalona, R. Armstrong, A. Beltran, A. Orbecido, C.B. Tabelin, M. Villacorte-Tabelin, M.A. Promentilla, P.R. Brito-Parada, Y. Plancherel, A.D. Jungblut, A. Santos, P.F. Schofield, V.J. Resabal, J. Pocaan, R. Herrington *University of Philippines Mindanao, Philippines*
17:10	Programme Close	

Parallel Session 10:
Future Mining
Venue: 2.64-2.66

Time	Theme / Session	**Session Chair:** A. Seyfaee, Mining3, Australia
09:20-09:45	Keynote Address	**Anatomy of communicative process automation (CPA): A look at future-ready decision architecture** M. Yahyaei, *The University of Queensland, Australia*
09:50-10:10	Future Mining & Processing | AI	**JK-GEM: A retrieval-augmented generative ai system for accessing legacy mineral processing knowledge** G. Forbes, C.Z. Bedoya, M. Yahyaei JKMRC, *University of Queensland, Australia*

10:15-10:35	Future Mining & Processing | AI	**Dynamic flotation simulation for tool-use by large language models** D. Bovim[1], A. Haasbroek[2], C. Botha[2], L. Auret[2] *[1]Stellenbosch University, [2]Stone Three, South Africa*
10:35-11:00	Break	Mid-Morning Refreshments
		Session Chairs: *G. Forbes, The University of Queensland, Australia*
11:00-11:20	Future Mining & Processing | AI	**Monitoring of process plants with quantum gramian angular fields and convolutional neural networks** C. Aldrich, *Curtin University, Australia*
11:25-11:45	Future Mining & Processing | AI	**Multi objective optimization of hydrocyclone design using machine learning models** A. Pathirikattu *National Institute of Technology Calicut India*
11:50-12:10	Future Mining & Processing | AI	**The utilisation of neural networks for multivariate optimisation and closed loop control of mineral beneficiation processes** *L.E. Theron, M.D. De Wet,* Hatch, South Africa
12:15-12:35	Future Mining & Processing | AI	**Adaptive mineral blending and routing under uncertainty using reinforcement learning** W. Xu, M. Arief, A. Elghali, J. Caers *Stanford University, United States of America*
12:40-13:00	Future Mining & Processing | AI	**A two-stage vision segmentation and grinding optimization decision model for ore particles size recognition at mill feed** K. Zhang, G. Zou, J. Yang, J. Yu, H. Zhang, M. Liu *BGRIMM Technology Group, China*
13:00-14:00	Break	Lunch
		Session Chair: C. Aldrich, Curtin University, Australia
14:00-14:20	Future Mining & Processing | AI	**Revolutionising mining with Gen-AI: A virtual assistant for integrated operations applied to iron ore** T.C. Nunes, F.N. Caldas, R.M. Gomes, A.C. Souza, T.M. Pantuza, N.N. Paula, P.P.S. Cavalcanti *VALE S.A., Brazil*
14:25-14:45	Future Mining & Processing | AI	**Harness engineering: A chemical engineering framework for agentic system Design** P. Harvey, A. Kader, Z. Honiball, *South Africa*
14:50-15:10	Future Mining & Processing | AI	**AI-driven development of mining waste facilities (MWF) ontology** X. Xiao, K. Bhadani *Department of AKKODIS Research, France*

15:15:15:35	Future Mining & Processing | AI	**Agentic AI tool for soft-sensor data analysis and validation** C.C. Zuluaga-Bedoya[1], M. Lan[2], M. Yahyaei[1], G. Forbes[1] *[1]Julius Kruttschnitt Mineral Research Centre, University of Queensland, [2]University of Queensland, Australia*
15:35-16:00	Break	Afternoon Refreshments
		Session Chair: *L. Olivier, Analyte Control, South Africa*
16:00-16:20	Process Modelling & Control | Simulation and Modelling	**Validation of Discrete Element Method Simulations Using PEPT: Axial Charge Distribution in Tumbling Mill as a Congruence Metric** A.N. Mainza *Centre for Minerals Research, University of Cape Town, South Africa*
16:25-16:45	Future Mining & Processing | Urban Mining	**Microwave-assisted black mass pre-treatment for improved froth flotation efficiency in lithium-ion battery recycling** J. Sygusch[1], O.S. Akinyele[2], A. Salces[1], M. Rudolph[1] [1]Helmholtz Institute Freiberg for Resource Technology, [2]Federal University of Technology, Akure, [1]Germany, [2]Nigeria
16:50-17:10	Future Mining & Processing | Big Data	**Predicting Autogenous Mill Throughput From Operational Data Using Statistical And Machine Learning Models** K. Machaba, L.E. Mualusi, B.D. Mayayise, R. Moagi, R.B. Khumalo, T.N. Mokalapa, F.M. Facela, F.K. Mulenga *Palabora Mining Company, South Africa*
17:10	Programme Close	