

24 hr Global Muster: Future Processing



Program of Presentations



Date	GMT	Presentation Type	Presenters & panelists	Organisation	Title	GMT-6	GMT-4	GMT+2	GMT+2	GMT+8	GMT+10
	UTC					Denver	Santiago	Berlin	Johannesbur	Beijing	Melbourne
	26th May 22:00 pm					26th May 16:00 pm	26th May 18:00 pm	26th May midnight	26th May midnight	27th May 6:00 am	27th May 8:00am
26th May	22:00	presentation	Welcome and Introduction of Muster Chair: Aleks Nikoloski	Amira & Murdoch University	Welcome and Introduction of Muster Chair: Aleks Nikoloski	16:00	18:00	0:00	0:00	6:00	8:00
	22:30	presentation	Alan Taylor	ALTA Metallurgical Processes	Connection with ALTA, ALTA2020	16:30	18:30	0:30	0:30	6:30	8:30
	22:40	presentation	Adele Seymon	Amira	Amira Futures Program	16:40	18:40	0:40	0:40	6:40	8:40
	23:00	presentation	Lourdes Valle	BHP	BHP Global Tailings Challenge and Vision	17:00	19:00	1:00	1:00	7:00	9:00
	23:20	presentation	Robin Batterham	The University of Melbourne	A new method for dewatering tailings	17:20	19:20	1:20	1:20	7:20	9:20
	23:40	presentation	Damian Connelly	Mineral Engineering Technical Services	Gold Heap Leaching Takes a Step Up	17:40	19:40	1:40	1:40	7:40	9:40
27th May	0:00	demo	Nick Beaton	CRC ORE	Integrated Extraction Simulator (IES) whole-of-mine optimisation simulator	18:00	20:00	2:00	2:00	8:00	10:00
	0:20	panel	Marcin Ziemiński, Lourdes Valle, Geoffrey Batt, Aleks Nikoloski	Chaired by Clytie Danger, CRC ORE	Future Processing's role in optimisation of the Mine Value Chain - an ecosystem perspective	18:20	20:20	2:20	2:20	8:20	10:20
	0:40	presentation	Paul Lucey	Project 412	CoLabs - Innovation & Implementation	18:40	20:40	2:40	2:40	8:40	10:40
	1:00	presentation	Mike Leffer	FLSmith	Mercury Abatement/Control in gold processing plants - operations best practice	19:00	21:00	3:00	3:00	9:00	11:00
	1:20	presentation	Nigel Grigg	Gekko Systems	Developments in the digital transformation space	19:20	21:20	3:20	3:20	9:20	11:20
	1:40	presentation	Alexandre Cesa	KPMG	Use of machine learning to detect processing plant anomalies	19:40	21:40	3:40	3:40	9:40	11:40
	2:00	presentation	Gabor Csicsovszki	Outotec	Breaking the limits with Courier 6G – latest advances in online analysers to improve plant performance	20:00	22:00	4:00	4:00	10:00	12:00
	2:20	presentation	Grant Wellwood	Jenike and Johanson	Hidden value: Materially lifting your project's NPV	20:20	22:20	4:20	4:20	10:20	12:20
	2:40	panel	Chris Ward, Simon Tyrrell, Rick Valenta, Angela Escolme	Chaired by Adele Seymon, Amira Global	Geoscience to mineral product - The holistic perspective challenge in processing	20:40	22:40	4:40	4:40	10:40	12:40
	3:00	presentation	Haiying LIU	BGRIMM	Harmless disposal and utilization of hazardous electrolytic aluminum waste	21:00	23:00	5:00	5:00	11:00	13:00
	3:20	presentation	Ivan Cole	RMIT University	Cheap in-situ water quality analysis	21:20	23:20	5:20	5:20	11:20	13:20
	3:40	presentation	Yufei XUE	BGRIMM	Technology and equipment for lithium extraction from salt lake	21:40	23:40	5:40	5:40	11:40	13:40
	4:00	panel	Matthew Schneider, Mohsen Yahyaei, Gabor Csicsovszki,	Chaired by Paul Lucey, Project412	Mining Industry 4.0 & Future of Processing	22:00	0:00	6:00	6:00	12:00	14:00
	4:20	presentation	Alan Taylor	ALTA Metallurgical Processes	Reducing Costs of Processing Nickel/Cobalt Laterites to Supply the Battery Industry	22:20	0:20	6:20	6:20	12:20	14:20
	4:40	presentation	Ewan Sellers	Mining3	In Mine Recovery – saving energy by bringing mining and processing closer	22:40	0:40	6:40	6:40	12:40	14:40
	5:00	presentation	Boris Albjanic	Curtin University	Addressing challenges in mineral processing	23:00	1:00	7:00	7:00	13:00	15:00
	5:20	presentation	David Thiel	Griffith University	Dry Beneficiation of Conductive Ores using AI Machine Control	23:20	1:20	7:20	7:20	13:20	15:20
	5:40	presentation	Tao Song	BGRIMM Technology Group	Mineral Processing Simulation Application in BGRIMM	23:40	1:40	7:40	7:40	13:40	15:40
	6:00	presentation	Matthew Schneider	Optika Solutions	The intelligent plant of the future how decision making will transform from Manuel to automated and the impact it will have on operations.	0:00	2:00	8:00	8:00	14:00	16:00
	6:20	presentation	Matt Sinnott	CSIRO Data61	Virtual comminution circuit unit processes using particle based modelling	0:20	2:20	8:20	8:20	14:20	16:20

6:40	panel	Ludovic DUMÉE, Peter Clarke ,Dr Angus McFarlane ,AMIR RAZMJOU	Chaired by Mark Woffenden	Vertical Supply Chain: Processing for Society's demands	0:40	2:40	8:40	8:40	14:40	16:40
7:00	presentation	Oscar Vasquez	Solvay	Solutions to Address the Challenges of the Metals Industry	1:00	3:00	9:00	9:00	15:00	17:00
7:20	presentation	Jake Salgado	FLSmith	Conventional Flotation Froth Recovery Optimization – recently launched retrofit package that focus on optimization of the froth zone (not the traditional pulp zone)	1:20	3:20	9:20	9:20	15:20	17:20
7:40	presentation	Bill Skinner	University of South Australia	P260 Flotation	1:40	3:40	9:40	9:40	15:40	17:40
8:00	demo	Zeljka Pokrajcic	PETRA	MAXTA - A digital approach to mine to mill	2:00	4:00	10:00	10:00	16:00	18:00
8:20	presentation	Chris Greet	Magotteaux Australia Pty Ltd	What about the chemistry?	2:20	4:20	10:20	10:20	16:20	18:20
8:40	presentation	Teresa McGrath	Curtin University	P420 Gold Processing Technology Benchmarking	2:40	4:40	10:40	10:40	16:40	18:40
9:00	demo	Sandy Gray	Gekko Systems	Intensive Cyanidation / ILR	3:00	5:00	11:00	11:00	17:00	19:00
9:20	panel	Aidan Giblett, Adit Nugraha,,	Chaired by Teresa McGrath	The importance of Benchmarking	3:20	5:20	11:20	11:20	17:20	19:20
9:40	presentation	Herman Potgieter	University of the Witwatersrand	Pie in the Sky metallurgy, or real sustainable metals extraction technology for the 21st century?	3:40	5:40	11:40	11:40	17:40	19:40
10:00	presentation	Michelle van Rooyen	Mintek	Sulphate removal technologies for the treatment of mine-impacted water	4:00	6:00	12:00	12:00	18:00	20:00
10:20	presentation	Yongjun Peng	University of Queensland	Addressing the challenges in flotation plants	4:20	6:20	12:20	12:20	18:20	20:20
10:40	presentation	Chris du Plessis	Lhoist	Lime optimization in metallurgical processing	4:40	6:40	12:40	12:40	18:40	20:40
11:00	presentation	Paul Lucey	Project 412	CoLabs - Innovation & Implementation	5:00	7:00	13:00	13:00	19:00	21:00
11:20	Panel	Laurence Dyer, Sabina Shugg, Alex Wiese, Bogale Tadesse	Chaired by Andy Hart	Mineral Processing's Role in the Future Industrial Ecosystem	5:20	7:20	13:20	13:20	19:20	21:20
11:40	presentation	Caroline Olsen, Eric Proulx	Corem	How to evaluate and counter negative impact of reactive sulfidic ore (pyrrhotite) in grinding, pre-oxidation and cyanidation circuits of operating plants	5:40	7:40	13:40	13:40	19:40	21:40
12:00	presentation	Olga Bazhko	Mintek	Sustainable Integrated Cyanide Management strategy (SICM) as a new tool for gold industry	6:00	8:00	14:00	14:00	20:00	22:00
12:20	presentation	Alan Butcher	GTK	BATRACE: a project developing protocols for geochemical and isotopic characterization of critical metals provenance and material flows	6:20	8:20	14:20	14:20	20:20	22:20
12:40	presentation	Simon Michaux	GTK	How to set up and develop a geometallurgy program	6:40	8:40	14:40	14:40	20:40	22:40
13:00	presentation	Lawrence Hooley	SIP STRIM	SIP STRIM: Success Through Collaboration in the Swedish Mining Industry	7:00	9:00	15:00	15:00	21:00	23:00
13:20	presentation	Lawrence Hooley	SIP STRIM	SIP STRIM: Success Through Collaboration in the Swedish Mining Industry	7:20	9:20	15:20	15:20	21:20	23:20
13:40	panel	Mehdi Safari, Alex Mkama Rumazi, Petrus van Staden,	Chaired by Jacqui Coombes, Amira Global	Remote Ops, Automation & Robotics: Future Processing challenges & opportunities	7:40	9:40	15:40	15:40	21:40	23:40
14:00	presentation	Terry Braden	Amira Global	Amira Global Futures Program	8:00	10:00	16:00	16:00	22:00	0:00
14:20	presentation	Alun James	Solvay	Solutions to Address the Challenges of the Metals Industry	8:20	10:20	16:20	16:20	22:20	0:20
14:40	presentation	Mike Moats	MUST	Future of copper electrowinning	8:40	10:40	16:40	16:40	22:40	0:40
15:00	presentation	Caroline Olsen, Eric Proulx	Corem	How to evaluate and counter negative impact of reactive sulfidic ore (pyrrhotite) in grinding, pre-oxidation and cyanidation circuits of operating plants	9:00	11:00	17:00	17:00	23:00	1:00
15:20	presentation	Jack Zhang	Saskatchewan Research Council	From solar ponds to SOPs (Sulphate of Potash) - processing advances for Australian ponds	9:20	11:20	17:20	17:20	23:20	1:20
15:40	panel	Charlene Van Wyngaardt, Romke Kuyvenhoven, Andres Mitnik,	Chaired by Chris du Plessis, Lhoist	Whole of value chain optimisation for a more sustainable industry - Future Processing's role?	9:40	11:40	17:40	17:40	23:40	1:40
16:00	presentation	Petro Nakutnyy	Saskatchewan Research Council	Computer Tomography Application for Mineral Characterization	10:00	12:00	18:00	18:00	0:00	2:00
16:20	presentation	Bernabe Lopez	TIMining	Improving the accuracy of short-term mining plans with simulations	10:20	12:20	18:20	18:20	0:20	2:20
16:40	presentation	Nick Kuryluk	ColdBlock	Application of ColdBlock Digestion Technology for Gold & Base Metal Analysis	10:40	12:40	18:40	18:40	0:40	2:40

17:00	presentation	Joe Dziedzina	FLSmith	Future of comminution- focus on moving past the HPGR to Vertical Roller Mill (VRM) technology. Used extensively in cement and massive opportunities exist in hard rock mining (as a SAG replacement).	11:00	13:00	19:00	19:00	1:00	3:00
17:20	presentation	Romke Kuyvenhoven	Sustainable Minerals Institute - International Centre of Excellence	Visualisation of cobalt within IOCG pyrites: its importance in the development of a metallurgical process	11:20	13:20	19:20	19:20	1:20	3:20
17:40	presentation	Jane Danoczi	Saskatchewan Research Council	Sensor-based Sorting Technology - which sensors, which applications and which benefits/disadvantages to this technology	11:40	13:40	19:40	19:40	1:40	3:40
18:00	presentation	Sean Guidi	Forte Dynamics	Metallurgical Accounting and Optimization of Heap Leach Facilities	12:00	14:00	20:00	20:00	2:00	4:00
18:20	presentation	Alun James	Solvay	Solutions to Address the Challenges of the Metals Industry	12:20	14:20	20:20	20:20	2:20	4:20
18:40	presentation	Rajiv Chandramohan	Ausenco	Integrated Optimisation – turning data into insight into value.	12:40	14:40	20:40	20:40	2:40	4:40
19:00	presentation	Laura Mottola	Flow Partners	Circular Lean Mining(R) - Learning to see circularity in our production systems, from orebody to market and beyond.	13:00	15:00	21:00	21:00	3:00	5:00
19:20	presentation	Brant Tapley	Mintap	Crusher Closed Side Setting (CSS) Measurement- its importance and a new alternative	13:20	15:20	21:20	21:20	3:20	5:20
19:40	presentation	Matt Pyle	Ausenco	Preconcentration; how much value can it really add?	13:40	15:40	21:40	21:40	3:40	5:40
20:00	presentation	Terry Braden	Amira Global	P9R - Implementing Integrated Simulation on the IES Platform	14:00	16:00	22:00	22:00	4:00	6:00
20:20	presentation	Kevin Galvin	Newcastle Institute for Energy and Resources	CoE Eco-Beneficiation	14:20	16:20	22:20	22:20	4:20	6:20
20:40	presentation	Andres Mitnik	Fundación Chile	\$10 Million Tailings Challenge, unleashing the power of the circular economy	14:40	16:40	22:40	22:40	4:40	6:40
21:00	presentation	Anna Littleboy	Sustainable Minerals Institute	So you want a mine you can close? The role of advanced processing	15:00	17:00	23:00	23:00	5:00	7:00
21:20	panel	Andres Mitnik,Aleks Nikoloski, Kevin Galvin, Anna Littleboy	Chaired by Jacqui Coombes, Amira Global	Integrating the Mine Value Chain for Effective Future Processing - leading the way	15:20	17:20	23:20	23:20	5:20	7:20
21:40	presentation	Aleks Nikoloski and Jacqui Coombes	Muster Chair (Murdoch University) and Amira Global	Closing comments	15:40	17:40	23:40	23:40	5:40	7:40
22:00	Close of the Muster				16:00	18:00	0:00	0:00	6:00	8:00