

41 st Conference and Exhibition

Final Program at a Glance - October 16, 2023

		LOCAL TIME											
	Brisbane	Beijing Perth	India	Dubai	Moscow	Athens	Paris Berlin	London	Sao Paulo	Montreal New York			
Introduction	13:40	11:40	9:10	7:40	6:40	5:40	4:40	3:40	0:40	22:40			
introduction	14:10	12:10	9:40	8:10	7:10	6:10	5:10	4:10	1:10	23:10			
Start	14:20	12:20	9:50	8:20	7:20	6:20	5:20	4:20	1:20	23:20			
End	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00			
Networking	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00			
Break	16:30	14:30	12:00	10:30	9:30	8:30	7:30	6:30	3:30	1:30			
Start	16:30	14:30	12:00	10:30	9:30	8:30	7:30	6:30	3:30	1:30			
End	18:30	16:30	14:00	12:30	11:30	10:30	9:30	8:30	5:30	3:30			
Lunch Dunch	18:30	16:30	14:00	12:30	11:30	10:30	9:30	8:30	5:30	3:30			
Lunch Break	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	4:30			
Start	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	4:30			
End	20:50	18:50	16:20	14:50	13:50	12:50	11:50	10:50	7:50	5:50			
	20:50	18:50	16:20	14:50	13:50	12:50	11:50	10:50	7:50	5:50			
Break	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00			
Start	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00			
End	23:00	21:00	18:30	17:00	16:00	15:00	14:00	13:00	10:00	8:00			
Networking	23:00	21:00	18:30	17:00	16:00	15:00	14:00	13:00	10:00	8:00			
Break	23:20	21:20	18:50	17:20	16:20	15:20	14:20	13:20	10:20	8:20			
Start	23:20	21:20	18:50	17:20	16:20	15:20	14:20	13:20	10:20	8:20			
End	0:20	22:20	19:50	18:20	17:20	16:20	15:20	14:20	11:20	9:20			

Sunday 5th November		Da Monday 6tl	ny 1 h Novembe	er			ay 2 h Novembe	r	Day 3 Wednesday 8th November				Day 4 Thursday 9th November
	Stream 1	Stream 2	Stream 3	Stream 4	Stream 1	Stream 2	Stream 3	Stream 4	Stream 1	Stream 2	Stream 3	Stream 4	
	Conference introduction Host Sponsor Presentation					Delegate g	group photo						
	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Outbond trip (two groups starting 7.00
													am and 9.45 am)
	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (5 papers)	Technical session (5 papers)	Technical session (5 papers)	Alumin	a properties for	anniversary: aluminium elec workshop	trolysis	
													Field trip to EGA Al Taweelah plants
IAI Bauxite and Alumina	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)		Technical session (4 papers)	Technical session (4 papers)	Exact schedule TBD
Committee (by invitation only)													
		•	s session A ons and Q&A)			•	s session A ions and Q&A)			•	session A ons and Q&A)		Return trip (two above groups
													returning 1 pm and 4.30 pm respectively)
		Corporate Members Council Delegates Meeting						Best Papers Award Ceremony					
20:00 ICSOBA welcome cocktail	19:30 Social Event					ICSOBA G	0:00 Gala Dinner cor's acknownled	lgment	19:30 Social Event				

Keynote session structure

	Session Chair:
20 minutes	Speaker presentation / no questions
40 minutes	Panel discussion and Q/A with speakers

Technical session structure

Session Chair:							
15 minutes	Speaker presentation						
5 minutes	Q/A with speaker						



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Final Speaker Program - Day 1 (Monday 6th November)

7:40		Conference Introduction	Claude Vanvoren	and Frank Feret							
I		Stream 1	Stream 2				Stream 3		Stream 4		
Dubai Time	#	Sustainability, Bauxite		Alumina			Electrolysis			Electrodes, CastHouse	
		Session Chair: Simon Lobach, Center for Int'l Studies Geneva	Session Chair:	Yves Ocello, Amber Development		Session Chair:	Jeff Keniry, Alumination Consulting		Session Chair:	Edouard Mofor, EGA	
8:20	1	ST01 Resilience to Climate Change – A Tool to Assess Climate Paul Marsh Impacts on Human Health of Aluminium Sector Workers and Communities	AA01	Complementary Advantages of Steel-Alumina Joint Venture to Achieve Efficient and Low-Carbon Development	Zhenyong Luo	AL01	Amperage Increase in EGA Al Taweelah DX Technology Potlines	Ishaq Mohamed Alkharusi	CB01	Effect of Mechanical Stress on Pitch Distribution during Anode Baking	Nafiseh Shadvar
8:40	2	ST02 Decarbonizing the Aluminum Industry – A Pathway to Errol Jaeger Sustainable Growth	AA02	Alumina Production from CaO-Al2O3-SiO2 Slag Produced in SisAl Process	Mengyi Zhu	AL02	Productivity Enhancement at Mahan Aluminium through Amperage Increase	Sasikumar Srinivasan	CB02	Stub to Carbon Design Improvement	Edi Mugiono
9:00	3	ST03 Sustainability of the Indian Aluminium Industry Through Anupam Circular Economy Agnihotri	AA03	Filtration Of Digester Blow-Off - An Option For The Refinery Design Of The Future	Jürgen Hahn	AL04	Application of SAMI Intensive-Current and Energy- Saving Technology in a 240kA Potline	Jinlong Hou (Michael Anshan Ren)	CB03	Upgrade to Narrower and Deeper Slots in Anodes: Improving Efficiency and Mechanical Behavior	Vivek Kumar
9:20	4	ST08 Change Detection: Using Artificial Intelligence in Process Jonilton Automation for the Detection of Land Use Change by Vegetal Paschoal Suppression	AA04	Enhancing Solid-Liquid Separation in Alumina Refineries: A Comparative Study of Gravity Decanters and Diastar Filters	Caio Melo	AL03	The Practice and Effectiveness of Aluminum Reduction 4221-Process Technology in SPIC Nei Mongol Energy Co.Ltd	Zhibin Zhao	CB04	Towards Utilization of Bio-binders in Carbon Anodes for Aluminum Industry	Asem Hussein
9:40	5	ST09 Solid Waste Masterplan: A new approach for the circular Andre das economy in Alunorte alumina refinery Neves Carvalho	AA05	Some Laboratory Pitfalls in Redside Bayer Chemistry	Sebastien Fortin	AL08	Development of China's Aluminum Industry and NFC/NEUI Aluminum Smelting Technology Development and Application	Jian Zhang	CB05	Impact of Heating Rate on Biocoke and Carbon Anode Quality	Belkacem Amara
10:00		Break		Break			Break			Break	
10.00		Session Chair: Anupam Agnihotri, JNRDDC	Session Chair:	Sebastien Fortin, Rio Tinto		Session Chair:	Alexander Arkhipov, EGA - Yasar Kocaefe, UQA	C	Session Chair:		GA
10:30	1	STO6 Research and Development Perspectives in the Mining Wlademir	AA06	Study of Guinean Bauxite Processing Under Low and	Yuguo Chen	AL19	The Continuous Prebaked Anode Cell – a Pathway to	Jeffrey Thomas	CH01	The Impact of Skim Dam Design on the	Martin Fortier
10.30	-	Industry Penna	74100	High Digestion Temperatures	ragao enen	, LLIS	Carbon Capture in Aluminium Production	Keniry	CHOI	Molten Aluminium Temperature Uniformity at Sheet Ingot Mold Periphery	Worth Foreign
10:50	2	ST07 Aluminium from the Amazon: Opportunities and threats Simon Lobach	AA07	Analysis on The Break-Even Point of Guinea Bauxite Digestion at High and Low Temperatures	Zhenyong Luo	AL17	An Anode Crisis – The Pitfalls of an Anode Length Increase	Matthias Ian Dechent	CH02	An Experimental and CFD Based Synergic Approach to Improve Productivity and Quality of Continuous Cast Aluminum Wire Rod	Sasikumar Srinivasa
11:10	3	ST10 The Bauxite Community Development Programme (BCDP): A Kemoy Blueprint For Community Engagement And Sustainable Lindsay Mining	AA08	Initiatives to Increase Bauxite Grinding Mill Throughput	Koushik Ghatak	AL20	Numerical Modelling of Voltage Drop due to Anode Bubbles	Vanderlei Gusberti	CH03	ExtruForm – a New Combined Rolling - Extrusion Process for Wire Rod and Sections	Martijn Vos
11:30	4	ST12 Achieving Zero Liquid Discharge through Sustainable Water Paul Management in Hindalco Industries Ltd - Renukoot: A Gupta Comprehensive Approach	AA09	Effect of Pre-desilication Time And Temperature On Desilication Behavior Of Low Silica Guinea Bauxites	Sagar Pandit	AL21	Impact of Slots Inclination and Thickness on the Distribution of Gas Bubbles Generated below the Anode	Mostafa el Mehdi Brik	CH04	Initiatives to Minimize Dross Generation in Casthouse.	Sitaramu Pillala
11:50	5	ST13 Action Plan for the Phase-out of Ozone Depleting Substances Vaishali at Hindalco Surawar	AA10	Kinetic of Silica Dissolution from Post Differential Extraction slurry	Caio Melo	AL22	Alucell Latest Development: Modelling Impact of CO2 Bubbles and Anode Slot Configurations on Liquid Flow in Hall-Héroult Pot	Nadia Chailly	CH05	Optimizing Casting process parameters by using Design of experiments & Machine learning	Jagadish Chandra Achinadka
12:10	6	ST04 Compendium of Climate Change Mitigation Practices at Binuta Patra Smelter Plant of NALCO	AA12	Investigating The Processability of Some of The Lowest Grade Bauxite Available in Jamaica and Its Impact on Bauxite Residue Settling and Chemical Additive Consumption	Machell Henry	AL44	A Deep Learning-Based Robot for Anode Cover Thickness (R-FACT) Measurement in Aluminum Reduction Cells	Mostafa Aboelnaga	СН06	Autonomous Furnace Charging, Skimming and addition of Alloying Elements Leading The Way To Maximize Safety for Operators and Reducing Waste and Energy Consumption	James Tomkinson
12:30		Break		Break			Break			Break	
		Session Chair: Wlademir Penna, Rio Tinto	Session Chair:	Jorg Ruster, EGA		Session Chair:	Ciro Kato, Sohar Aluminium		Session Chair:	Martijn Vos, Rusal	
13:30	1	ST14 Production of Hydrogen Using Fine Waste Aluminium Dross: Upendra Singh Secondary Source of Next Generation Fuel	AA15	Conversion to Single Dosing Flocculant from Dual Dosing of Flocculant	Muthukumar Tharumar	AL15	Smart Cranes at Emirates Global Aluminium	Satheesh Mani	CH07	Real-Time Crucible Chemical Composition (LP-LIBS) Analysis Implementation at a Casthouse	Karl Agust Matthiasson
13:50	2	BX13 Decarbonisation and Cost Reduction Obtained by Replacing Lincoln Transit Vehicles in Bauxite Mining Felisardo	AA17	Successful Application and Installation of SWIRLFLOW® Mixing Technology in an Inverted Cone Precipitation Tank at the Hindalco Alumina Refinery in India	Bon Nguyen	AL06	Introducing Forced Convection Network in AP Potlines in Aluminium Bahrain (Alba)	Mohamed A. M. A. Zainal	СН08	Developments in Billet Casting Ring Technology	Emma Cedillo
14:10	3	BX17 Contributions from 10-year Biodiversity Research Consortium Jonilton to the sustainability of bauxite mine operations Paschoal	AA18	Importance of Chemical Cleaning for Precipitation Optimization	Marc Thomas	AL07	STARprobe Implementation in Sohar Aluminium Potline	· Swapnil Sahu	СН09	Hydrogen-Ready Oxyfuel Solutions for Decreased Fuel Consumption and Increased Melt Rate: Technology and Results	Johannes Lodin
14:30	4	BX14 Carbon Emissions Reduction in the Refrigeration and air Lincoln Conditioning Process in Bauxite Mining Felisardo	AA19	Extended Operation Experience of Superhex High Corrosion Resistance Low Carbon Steel at Alumina Refineries	Darwin Del Aguila	AL11	Relocation of a 400 kA Potline – Pot Upgrade and Energy Saving Roadmap	Zhuojun Xie	CH10	Dross: A Solution to the Conflicting Goals of Maximum Economic Returns and Minimal Environmental Footprint	Patrick Pollmann
14:50		Break									
		Session Chair: Abdalla AlZarooni, EGA			<u></u>			<u></u>			
15:00	1	KN01 Sustainability at Emirates Global Aluminium			Sergey Akhmetov	,					
	- 2	KN02 The Decarbonization Journey of the Aluminium Industry – Opportunities	and Challenges to A		Martin Iffert						
15:20	2		_								
15:40	3	KN03 Net-zero Emissions from Primary Aluminium Production - Is it technicall	y and economically p	ossible by 2050?	Halvor Kvande						
16:00	4	KN04 The Business-climate Emergency Kit for the Aluminium Industry			Jerome Lucaes						
		Panel discussion and Q/A with speakers									



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Final Speaker Program - Day 2 (Tuesday 7th November)

		Stream 1			Stream 2			Stream 3			Stream 4	
Dubai Time	#	Bauxite Residue			Bauxite, Alumina			Electrolysis			Electrodes, Electrolysis	
		Session Chair: Ken Evans, IAI		Session Chair:	TBC		Session Chair:	Nadia Ahli, EGA		Session Chair:	•	
8:20	1	BR05 Iron Source from Bauxite Residues by Using Microwave	Dimitris Sparis	AA20	Real time Prediction of Evaporator Circuit	Ameet Chaure	AL30	The Role of New Sensors for Hall-Héroult Process	Jayson Tessier	CB06		Marie Aimee
5.25		Technology	5c. 5 5pa. 15	78.20	Performance Using ML Based Soft Sensors	, and conduct	7.250	Control, Optimization and Advanced Analytics	30 7 3011 1 233121		Replacement In Pre-baked Anodes	Tuyizere Flora
8:40	2	BR07 Experimental Study on Hydrogen Reduction of Bauxite Residue Pellets Using H2-H2O Mixtures	Dali Hariswijaya	AA21	Optimization of Sodium Oxalate Removal within The Bayer Process	e Marc Thomas	AL32	Maintaining Optimal Setpoint Voltage in Smelter Pots Using Digital Technologies and ML Algorithms	Dimitrios Karavas	CB07	Research on Premixed Stable Combustion Process of Vertical Shaft Furnace	Chao Liu
9:00	3	BR06 Ferrotitanium Production from BR: A Study of the Aluminothermic Process	Dimitris Sparis	AA22	Corrosion Inhibitor Use in the Gland Seal Water System of a Greenfield Alumina Refinery	Mireille Wonoredjo	AL33	Al-Based Autonomous Cell Control in RA-550 Cell Technology	Yuriy Shtefanyuk	CB08	Practical Use of Online Chemical Analyzer for Spent Anodes Quality Control	Edouard Gerard Mengue Mofor (Petra Mühlen)
9:20	4	BR08 Sustainably Transforming Bauxite Residue into Critical Minerals	Christopher Young	AA27	Digital Services for Alumina Refineries	Andrei Panov	AL05	Critical Pots Index Report in EGA Potlines	Sajid Hussan Faisal	CB09	Active Dust Aspiration During Packing Coke Filling	Franck Fruleux
9:40	5	BR09 Technology of Scandium Oxide Production from Bauxite Residue	Alexander Suss	AA28	LIBS – Emerging Technique of Real-Time Elemental Analysis for Process Control in Alumina Production	Mindaugas Dailide	AL54	Model Predictive Control of Maintaining the Superheat of an Aluminium Smelting Cell during Power Modulation	Luning Ma	CB10	Introduction of a Vertical Shaft Kiln Coke at Ma'aden Green Mill	Manoj Kumar Mishra
10:00		Break			Break			Break			Break	
		Session Chair: Markus Graefe, EGA		Session Chair:	Emilio Dal Pai Neto, EGA		Session Chair:	Vanderlei Gusberti, CAETE Engenharia		Session Chair:	Rajesh Singh, BALCO	
10:30	1	BR10 Flowsheets That Can Turn BR Into Building Materials And Save CO ₂	David Konlechner	AA25	A Sustainable and Substitute Energy Resource Mode with LPG Utilization in the Alumina Production Process	el Ali Toptas	AL24	Experience with Homogeneous Cu Collector Bars Directly Fitted into Cathode Blocks	Eirik Hagen	CB11	Challenges in Operation of Rodding Induction Furnaces in Ma'aden	Arvind Kumar Verma
10:50	2	BR11 Scaling up Soil Conditioner Production Using Bauxite Residue and Oil Palm Wastes	e Caio Melo	AA26	Application of OT Cybersecurity in Alumina Refining	Giovanni Djotiko	AL25	Collector Bar Copper Insert Design and Improvements in EGA Technologies	Sheikha Almualla	CB12	Improvements in Baked Anode Quality through Reducing Process Variations and Debottlenecking Carbon Plant	Rawa Nabeel Foad Ba Raheem
11:10	3	BR12 The use of Dealkalised Bauxite Residue in Cement Applications	Panagiotis Davris	AA23	Carbon Footprint Reduction In Alumina Calciners	Pungkuntran Jaganathan	AL26	Modelling Study of Impact of Copper Insert Design on Aluminium Reduction Cell Heat Balance and Voltage	Alexander Mukhanov	CB13	Impact of Sulphur Content on the Electrical Resistivity of Carbon Anodes	Khalil Khaji
11:30	4	BR13 Application of Synthetic Aggregate from Bauxite Residue in Structural Elements	Caio Melo	AA24	Decarbonizing Alumina Calcination by Fuel Conversion	Edgar Gasafi	AL47	Modelling Study of Bath Agitation by Bubbles and its Effect on the Bath-Metal Interface Stability	Samuel Théberge	AL28	Fully Automated XRD Analysis of Electrolytic Bath– An Advanced and Flexible Approach for Rapid and Accurate Process Monitoring	Sheida Makvandi
11:50	5	BR14 The Effects of Bauxite Residue on Mechanical and Architectural Properties of Portland Cement-Based Compositions	Roberto Romano	ВХ09	Online Predictive Asset Monitoring Via Cloud Specialist System	Jessica Almeida	AL49	Impact of Metal Pad Heave on Shell Temperature of Aluminum Reduction Cells	Andre Felipe Schneider	AL29	Plant-Floor Chemical Composition Analysis of Liquid Aluminum	Kristjan Leosson
12:10	6	BR04 Experimental Study on Mineral Phase Transformation - Low Intensity Magnetic Separation of High Iron Red Mud of Guinea Bauxite	Jun Wei Ma									
12:30		Break			Break			Break		1	Break	
		Session Chair: Steve Rosenberg, EGA		Session Chair:	Caio Melo, Hydro		Session Chair:	Andre Felipe Schneider, Hatch		Session Chair:		
13:30	1	BR01 Mineralogical and Compositional Description of Al Taweelah Alumina Refinery's Bauxite Residue	Markus Graefe	BX08	lot Vibration Monitoring System Interfacing with PI System	Jessica Almeida	AL51	Cathode Design Effects on MHD Stability of Aluminium Reduction Cells	Marc Dupuis	AL31	Quick And Safe Replacement of an Existing Pot Control System by ALPSYS	Jean-Louis Thibaut Mattei
13:50	2	BR02 Red to Green Projects in Alumina Refineries of Hindalco	Vaishali Surawar	BX01	Pilot tests with Tertiary Cyclone for Reactive Silica Removal from Amazonian Bauxite	Geraldo Duarte	AL48	Impact of Anode Change on MHD in Aluminum Reduction Cell	Zhibin Zhao (Michael Anshan Ren)	AL36	Visualization of Anode Effect in High Temperature Transparent Aluminum Electrolysis Cell	Bingliang Gao
14:10	3	BR03 Bauxite Residue Management Governance in the Americas and the Future Global Focus on Critical Minerals	Shanti Persaud	BX02	Reactive Silica Reduction on Bauxite by Flotation	Geraldo Duarte	AL50	Impact of TE-MHD Coupling on Cell Performance	Louis Bugnion	AL53	Modeling of the Distribution of Alumina Aggregates in an Electrolysis Cell Based on a Multi-Slice Method	Thomas Roger
14.10						Pravin Bhukte	AL52	A New Mechanical Model of Magnetohydrodynamic	Marc Dupuis	AL55	A Study on Predicting Electrolyte	Wong Choon Jie
14:30	4	BR15 The House of Bauxite	Efthymios Balomenos	BX04	A Process for the Development of Calcined Bauxite from Ferruginous Bauxite			Instabilities in Aluminium Electrolysis Cells			Temperature of Aluminium Smelting Cells for Power Modulation	
	4	BR15 The House of Bauxite Break	•	BX04	•			Instabilities in Aluminium Electrolysis Cells				
14:30	4	Break	•	BX04	•			Instabilities in Aluminium Electrolysis Cells				
14:30	1		Balomenos		from Ferruginous Bauxite	Stephan Broek		Instabilities in Aluminium Electrolysis Cells				
14:30	1	Break Session Chair: Martin Iffert, Martin Iffert Consulting	Balomenos		from Ferruginous Bauxite			Instabilities in Aluminium Electrolysis Cells				
14:30 14:50 15:00	1	Break Session Chair: Martin Iffert, Martin Iffert Consulting KN05 Towards Carbon Neutral Primary Aluminium Smelting v KN06 The Aluminium Industry's Progress on Sustainability	Balomenos ia Carbon Dioxid		from Ferruginous Bauxite	Stephan Broek		Instabilities in Aluminium Electrolysis Cells				

16:20

Panel discussion and Q/A with speakers



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Draft Speaker Program - Day 3 (Wednesday 8th November)

Dulai Tiara		Stream 1	Stream 2			Stream 3			Stream 4			
Dubai Time	#	Bauxite	Alumina		Electrolysis				Electrodes , Electrolysis			
		Session Chair: TBC	Session Chair: Panagiotis Davris, Mytilineos	s	Session Chair:	Stephan Broek, Kensington Technology		Session Chair:	Rashid Muqbeli, Sohar Alu	minium		
8:20	1	BX05 Phase quantification of Bauxite by Thermogravimetric Vinod Kumar analysis Verma	AA29 Gallium Balance in a Greenfield Alumina Refinery	Emilio Dal Pai Neto	AL13	• •	Raymond Johansen	CB14	Superior Sensitivity of Blaine Method Compared to Sieving Analysis of Ultrafines	Francesco Carlos Baccalà		
8:40	2	BX10 Performance changes in Alunorte Bauxite Dewatering Bruno Mendes	AA31 Extraction of Gallium from Jamaican Bayer Process Operations	Tandose Sambo	AL14	Project Management of New Pot Feed and New Cranes Procurement at EGA Jebel Ali Potlines 5 and 6	Vivek Malang	CB15	Improving Prebaked Anodes Electrical Resistivity in Aluminium Bahrain "Alba"	Rajesh Grag		
9:00	3	BX11 Mechanism of Action of Filter Aids for Bauxite Concentrate Bruno Fecchio Filtration and Performance Validation at Laboratory and Industrial Scale	AA35 Morphological Studies on Spark Plug Grade Alumina for the Improvement of the Electro - Mechanical Properties of the Material	Sagar Pandit	AL37	Retrofitted GTC Performs Better than New	Geir Wedde	CB16	Electrical Resistivity and Baking Level Improvement through Anode Manufacturing Process Optimization	Sasikumar Srinivasan		
9:20	4	BX12 Cutting-edge Technology Supporting Hydro Paragominas Jessica Transmission Line Management System Almeida	AA34 New Products from RUSAL's Super-Fine Precipitated Aluminum Hydroxide	Andrey Panov	AL38		Mikkel Sørum (Auhood Aljasmi)	CB17	How the CPC Specification and Smelter Strategies Impact Performance and Anode Quality	Edouard Gerard Mengue Mofor		
9:40	5	BX06 Lithological Layer Prediction (LLP) through Machine Learning Jefferson in Mineral Exploration at Paragominas Bauxite Province, Klister Brazil	AA36 Effect of Submicron Reactive Alumina on the Rheological and Physico-Mechanical Properties of Microsilica Free Low Cement Refractory Castable	Sagar Pandit	AL40	Study of Gibbsite Effect on HF Emission in Aluminum Reduction Cells	Ravi Selvaraj	CB18	Anode Properties Improvements at Sohar Aluminium	Rashid Salim Rashid Khalfan Al Muqbali		
10:00		Break	Break			Break			Break			
10:30		ICSOBA 60th anniversary: Alumina properties for aluminium electrolysis Inter	active workshon	Panel: Jorg Ruster Facilitators: Claud	•	y, Mark Taylor, Yves Occello; Fiot						
	1	KN13 Smelter Grade Alumina Properties - The Alumina Refinery Challenge		Jorg Ruster								
	2	KN14 Smelter Grade Alumina Properties - The Smelter Requirements		Stephen Lindsay								
12:30		Break	Break			Break			Break			
		Session Chair: Shanti Persaud, JBI			Session Chair:	Shane Polle, EGA		Session Chair:	<u> </u>			
13:30	1	BX15 Environmental Licensing Operational Plan for Mining Jonilton Industries - A Case Study at Mineração Paragominas Paschoal			AL41	Artificial Neural Networks for Predicting and Improving . HF Generation and Recovery Efficiency	Joseph Ndjebayi	AL23	Research and Application of Advanced Energy-Saving Technology for Aluminum Reduction Cells	Yungang Ban		
13:50	2	BX18 Optimization of the Environmental Recovery Process - An Lívian de Paula Alternative for Rehabilitating Failures in Recovered Areas			AL42	Removal of SO2 from Cell Effluent Gases Using	Karthikeyan Rajan (Duygu Evirgen Kocaefe)	AL10	Industrial Application of Double-Port Energy Saving Technology and HORRS System for Aluminum Electrolytic Cells	Zhili Liang		
14:10	3	BX16 Tailing Dam Closure with Revegetation: the Use of Green Jonilton Manure for the Improvement of Technosoil Built from Paschoal Bauxite Tailings			AL35	Fluoride: A Comparative Study on Flowability and	Hanna Sjöberg (Jesper Holmquist)	AL16	Industrial Internet of Things Based Measurement Instrument in Potroom	Bibhudatta Mohanty		
14:30	4	BX19 Rehabilitation in a Bauxite Tailing Dam System: A Pilot Diogo Project Chevalier			AL12	•	Sasikumar Srinivasan	AL27	Silicon Carbide Sidelining Materials in Reduction Cells: Corrosion Resistance, Service Life and Testing	Andrey Yurkov		
14:50		Break	<u> </u>									
		Session Chair: TBC										
15:00	1	KN08 Bauxite And Alumina Market Outlook - Upstream Investments Remain A	ttractive	Anthony Everiss								
15:20	2	KN09 Outlook For The Aluminium Market: The Shape of Things To Come		Uday Patel								
15:40	3	KN11 Navigating the Energy Crisis: Alunorte's Journey Towards Low Carbon Al	umina and its Impact on the Global Aluminium Industry	Sandy Sutherland								
	4	KN12 Solar Energy for the Aluminum Industry's Transition into the Future		Markus Balz								
16:20		Panel discussion and Q/A with speakers										