

41st Conference and Exhibition Draft Program at a Glance

	LOCAL TIME										
	Brisbane	Beijing Perth	India	Dubai	Moscow	Athens	Paris Berlin	London	Sao Paulo	Montreal New York	
Introduction	13:30	11:30	9:00	7:30	6:30	5:30	4:30	3:30	0:30	22:30	
	13:50	11:50	9:20	7:50	6:50	5:50	4:50	3:50	0:50	22:50	
Start	14:00	12:00	9:30	8:00	7:00	6:00	5:00	4:00	1:00	23:00	
End	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00	
Networking Break	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00	
	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 Break	18:30	16:30	14:00	12:30	11:30	10:30	9:30	8:30	5:30	3:30	
	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	
Break	20:50	18:50	16:20	14:50	13:50	12:50	11:50	10:50	7:50	5:50	
	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 Break	23:00	21:00	18:30	17:00	16:00	15:00	14:00	13:00	10:00	8:00	
	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	Day 1 Monday 6th November				Day 2 Tuesday 7th November				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 group photo								
	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Outbond trip (two groups starting 6.30 am and 10.30 am)
	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	ICSOBA 60th anniversary: Alumina properties for aluminium electrolysis Interactive workshop				Field trip to EGA Al Taweelah plants Exact schedule TBD
IAI Bauxite and Alumina Committee (by invitation only)	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)	Technical session (4 papers)	
Exact schedule TBD	Keynotes session A (4 presentations and Q&A)				Keynotes session A (4 presentations and Q&A)				Keynotes session A (4 presentations and Q&A)				Return trip (exact time to be specified)
	Corporate Members Council				Delegates meeting				Best papers Award Ceremony				

20:00 ICSOBA welcome cocktail	19:30 Social Event	20:00 ICSOBA Gala Dinner Sponsor's and Exhibitor's acknowledgment	19:30 Social Event
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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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Draft Speaker Program - Day 1 (Monday 6th November)

Dubai Time	#	Stream 1 Sustainability	Stream 2 Alumina	Stream 3 Electrolysis	Stream 4 Electrodes, CastHouse
8:00	1	ST01 Resilience to Climate Change – A Tool to Assess Climate Impacts on Human Health of Aluminium Sector Workers and Communities Paul Marsh	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
8:20	2	ST02 Decarbonizing the Aluminum Industry – A Pathway to Sustainable Growth Errol Jaeger	AA02 Alumina Production from CaO-Al ₂ O ₃ -SiO ₂ Slag Produced in SisAl Process Mengyi Zhu	AL02 Productivity Enhancement at Mahan Aluminium through Amperage Increase Sasikumar Srinivasan	CB02 Stub to Carbon Design Improvement Dolfy Antonio Sinaga
8:40	3	ST03 Solar Energy for the Aluminum Industry's Transition into the Future Markus Balz	AA03 Filtration Of Digester Blow-Off - An Option For The Refinery Design Of The Future Jürgen Hahn	AL03 The Practice and Effectiveness of Aluminum Reduction 4221-Process Technology in SPIC Nei Mongol Energy Co.Ltd Guijun Ge	CB03 Upgrade to Narrower and Deeper Slots in Anodes: Improving Efficiency and Mechanical Behavior Vivek Kumar
9:00	4	ST04 Sustainability of the Indian Aluminium Industry Through Circular Economy Anupam Agnihotri	AA04 Enhancing Solid-Liquid Separation in Alumina Refineries – The Potential of Diastar Filters Caio Melo	AL04 Application of SAMI Intensive-Current and Energy-Saving Technology in a 240kA Potline Jinlong Hou	CB04 Towards Utilization of Bio-binders in Carbon Anodes for Aluminum Industry Asem Hussein
9:20	5	ST05 Compendium of Climate Change Mitigation Practices at Smelter Plant of NALCO Binuta Patra	AA05 Some Laboratory Pitfalls in Residue Bayer Chemistry Sebastien Fortin	AL05 Critical Pots Index Report in EGA Potlines Sajid Hussan Faisal	CB05 Impact of Heating Rate on Biocoke and Carbon Anode Quality Belkacem Amara
9:40	6	ST08 Aluminium from the Amazon: Opportunities and threats Simon Lobach	AA06 Study of Guinean Bauxite Processing Under Different Digestion Conditions Yuguo Chen	AL06 Introducing Forced Convection Network in AP Potlines in Aluminium Bahrain (Alba) Hassan Almohri	CB06 Bio-pitch Improvement For Coal Tar Pitch Replacement In Pre-baked Anodes Marie Aimee Tuyizere Flora
10:00	<i>Break</i>				
10:30	1	ST07 Research and Development Perspectives in the Mining Industry Wladimir Penna	AA07 Analysis On The Break-Even Point Of Guinea Bauxite Digestion On High And Low Temperature Zhenyong Luo	AL17 An Anode Crisis – The Pitfalls of an Anode Length Increase Matthias Ian Dechent	CH01 The Impact of Skim Dam Design on the Molten Aluminium Temperature Uniformity at Sheet Ingot Mold Periphery Martin Fortier
10:50	2	ST09 Change Detection: Using Artificial Intelligence in Process Automation for the Detection of Land Use Change by Vegetal Suppression Jonilton Paschoal	AA08 Initiatives to Increase Bauxite Grinding Mill Throughput Koushik Ghatak	AL18 Application of Nano-Ceramic Anti-Oxidation Coating on Anodes of Aluminium Reduction Pots Hong Bo	CH02 An Experimental and CFD Based Synergic Approach to Improve Productivity and Quality of Continuous Cast Aluminium Sasikumar Srinivasan
11:10	3	ST10 Solid Waste Masterplan: A new approach for the circular economy in Alunorte alumina refinery Andre das Neves Carvalho	AA09 Effect Of Pre-desiccation Time And Temperature On Desiccation Behavior Of Low Silica Guinea Bauxites Sagar Pandit	AL19 The Continuous Prebaked Anode Cell – a Pathway to Carbon Capture in Aluminium Production Jeffrey Thomas Keniry	CH03 Extrusion Process for Wire Rod and Sections Martijn Vos
11:30	4	BX17 Tailing Dam Closure with Revegetation: the Use of Green Manure for the Improvement of Technosoil Built from Bauxite Tailings Jonilton Paschoal	AA10 Kinetic of silica dissolution from post Differential Extraction slurry Caio Melo	AL20 Numerical Modelling of Voltage Drop due to Anode Bubbles Vanderlei Gusberti	CH04 Initiatives to Minimize Dross Generation in Casthouse. Sitaramu Pillala
11:50	5	ST11 The Bauxite Community Development Programme (BCDP): A Blueprint For Community Engagement And Sustainable Mining Kemoy Augustus Lindsay	AA11 Research on Digestion Performance of High Carbonate Bauxite Xiaotao Lu	AL21 Impact of Slots Inclination and Thickness on the Distribution of Gas Bubbles Generated below the Anode Mostafa el Mehdi Brik	CH05 Optimizing Casting process parameters by using Design of experiments & Machine learning Jagadish Chandra Achinadka
12:10	6	BX18 Contributions from 10-year Biodiversity Research Consortium to the sustainability of bauxite mine operations Jonilton Paschoal	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	AL22 Alucell Latest Development: Modelling Impact of CO ₂ Bubbles and Anode Slot Configurations on Liquid Flow in Hall-Héroult Pot Nadia Chailly	CH06 Autonomous Furnace Charging, Skimming and addition of Alloying Elements Leading The Way To Maximize Safety for Operators and Reducing Waste and James Tomkinson
12:30	<i>Break</i>				
13:30	1	ST13 Achieving Zero Liquid Discharge through Sustainable Water Management in Hindalco Industries Ltd - Renukoot: A Comprehensive Approach Paul Gupta	AA13 Research On Characteristics Of Goethite Red Mud And Synthesis Of A Novel Flocculant Chao Zhang	AL13 Alumina Distribution and Transport System to Pots Retrofitted in EGA Jebel Ali Potlines 5 and 6 Raymond Johansen	CH07 Real-Time Crucible Chemical Composition (LP-LIBS) Analysis Implementation at a Casthouse Karl Agust Matthiasson
13:50	2	ST12 Sustainable Robotized Floating System for Collecting Debris from Discharge Basin for Aluminum Industries Waleed Ahmed	AA14 Implementation of Leaf Filter Cake Recovery Process Fengjiang Zhou	AL14 Project Management of New Pot Feed and New Cranes Procurement at EGA Jebel Ali Potlines 5 and 6 Vivek Malang	CH08 Developments in Billet Casting Ring Technology Emma Cedillo
14:10	3	ST14 Action Plan for the Phase-out of Ozone Depleting Substances at Hindalco Vaishali Surawar	AA15 Dual Dosing of Powder & Hydroximate Flocculant Converted to Single Flocculant with Processing Low Grade Bauxite. Ameet Chaurae	AL15 Smart Cranes at Emirates Global Aluminium Sathesh Mani	CH09 Hydrogen-ready Oxyfuel Solutions for Decreased Fuel Consumption and Increased Melt Rate: Technology and Joachim von Scheele
14:30	4	ST15 Production of Hydrogen Using Fine Waste Aluminium Dross: Secondary Source of Next Generation Fuel Upendra Singh	AA16 Development of Red Mud Rheology Modifiers Alpha Barry	AL16 Industrial Internet of Things Based Measurement Instrument in Potroom Bibhudatta Mohanty	CH10 Dross: A solution to the conflicting goals of maximum economic returns and minimal environmental footprint Frank Pollmann
14:50	<i>Break</i>				
15:00	1	KN01 Sustainability at Emirates Global Aluminium	Sergey Akhmetov		
15:20	2	KN02 The Decarbonization Journey of the Aluminium Industry – Opportunities and Challenges to Achieve Net-Zero	Martin Ifert		
15:40	3	KN03 Net-zero Emissions from Primary Aluminium Production - Is it technically and economically possible by 2050?	Halvor Kvande		
16:00	4	KN04 The Business-climate Emergency Kit for the Aluminium Industry	Jerome Lucaes		
16:20	Panel discussion and Q/A with speakers				

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

Dubai Time	#	Stream 1 Bauxite Residue	Stream 2 Bauxite, Alumina	Stream 3 Electrolysis	Stream 4 Electrodes, Electrolysis
8:00	1	BR04 Experimental Study on Mineral Phase Transformation - Jun wei Ma Low Intensity Magnetic Separation of High Iron Red Mud of Guinea Bauxite	AA17 Study the Effects on Decomposition Rate of Sodium Aluminate Solution Shuai Shao	AL07 STARprobe Implementation in Sohar Aluminium Potline Swapnil Sahu	CB07 Research on Premixed Stable Combustion Process of Vertical Shaft Furnace Shanhong Zhou
8:20	2	BR05 Iron Source from Bauxite Residues by Using Microwave Technology Dimitris Sparis	AA18 Successful Application and Installation of SWIRFLOW® Mixing Technology in an Inverted Cone Precipitation Tank at the Hindalco Alumina Bon Nguyen	AL08 Development of China's Aluminum Industry and NFC/NEUI Aluminum Smelting Technology Development and Application Jian Zhang	CB08 Practical Use of Online Chemical Analyzer for Spent Anodes Quality Control Edouard Mofor
8:40	3	BR07 Experimental Study on Hydrogen Reduction of Bauxite Residue Pellets Using H ₂ -H ₂ O Mixtures Dali Hariswijaya	AA19 Importance of Chemical Cleaning for Precipitation Optimization Marc Thomas	AL09 Research and Discussion on High Quality Technology Upgrade Plans for Chinese Smelters under New Government Policies Shaoyong Ruan	CB09 Active Dust Aspiration During Packing Coke Filling Franck Fruleux
9:00	4	BR06 Ferrotitanium Production from BR: A Study of the Aluminothermic Process Dimitris Sparis	AA20 Extended Operation Experience of Superhex High Corrosion Resistance Low Carbon Steel at Alumina Refineries Darwin Del Aguilá	AL10 Industrial Application of Double-Port Energy Saving Technology and HORRS System for Aluminum Electrolytic Cells Zhi li Liang	CB10 Introduction of a Vertical Shaft Kiln Coke at Ma'aden Green Mill Ghanem Saud Al-Osaimi
9:20	5	BR08 Sustainably Transforming Bauxite Residue into Critical Minerals Christopher Young	AA21 Real time Prediction of Evaporator Circuit Performance Using ML Based Soft Sensors Ameeta Chaur	AL11 Relocation of a 400 kA Potline – Pot Upgrade and Energy Saving Roadmap Zhuojun Xie	CB11 Challenges in Operation of Rodding Induction Furnaces in Ma'aden Arvind Verma
9:40	6	BR09 Technology of Scandium Oxide Production from Bauxite Residue Alexander Suss	AA22 Optimization of Sodium Oxalate Removal Within The Bayer Process Marc Thomas	AL12 Online Shunting of Pots in Hirakud Potline Sasikumar Srinivasan	CB12 Improvements in Baked Anode Quality through Reducing Process Variations and Debottlenecking Carbon Plant Rawa Nabeel Baraheem
10:00		Break	Break	Break	Break
10:30	1	BR10 Flowsheets That Can Turn BR Into Building Materials And Save CO ₂ David Konlechner	AA23 Corrosion Inhibitor Use in the Gland Seal Water System of a Greenfield Alumina Refinery Mireille Wonoredjo	AL23 Research and Application of Advanced Energy-Saving Technology for Aluminum Reduction Cells Yungang Ban	AL43 Modification of Aluminum Electrolytic Flue Gas Semi-Dry Desulfurization Technology to Reduce the Consumption of Hydrated Lime Reagent Shanyong Chen
10:50	2	BR11 Scaling up Soil Conditioner Production Using Bauxite Residue and Oil Palm Wastes Caio Melo	AA24 Carbon Footprint Reduction in Alumina Calciners Pungkuntran Jaganathan	AL24 Experience with Homogeneous Cu Collector Bars Directly Fitted into Cathode Blocks Eirik Hagen	AL44 A Deep Learning-Based Robot for Anode Cover Thickness (R-FACT) Measurement in Aluminum Reduction Cells Mostafa Aboelnaga
11:10	3	BR12 The use of Dealkalised Bauxite Residue in Cement Applications Dimitrios Panias	AA25 Decarbonizing Alumina Calcination by Fuel Conversion Edgar Gasafi	AL25 Collector Bar Copper Insert Design and Improvements in EGA Technologies Sheikha Almualla	AL45 Thermal Conductivity Measurement and Heat Loss Analysis of Anode Cover Material for Aluminium Reduction Cell Tao Yang
11:30	4	BR13 Application of Synthetic Aggregate from Bauxite Residue in Structural Elements Caio Melo	AA26 A Sustainable and Substitute Energy Resource Model with LPG Utilization in the Alumina Production Process Ali Toptas	AL26 Modelling Study of Impact of Copper Insert Design on Aluminium Reduction Cell Heat Balance and Voltage Alexander Mukhanov	AL46 Simulation and Analysis of the Impact of Current Variations on Thermal Balance in Aluminium Electrolysis Cell Ao Hongmin
11:50	5	BR14 The Effects of Bauxite Residue on Mechanical and Architectural Properties of Portland Cement-Based Compositions Roberto Romano	AA27 Application of OT Cybersecurity in Alumina Refining Giovanni Djotiko	AL27 Silicon Carbide Sideline Materials in Reduction Cells: Corrosion Resistance, Service Life and Testing Andrey Yurkov	AL47 Modelling Study of Bath Agitation by Bubbles and its Effect on the Bath-Metal Interface Stability Samuel Théberge
12:10	6	BR15 The House of Bauxite Efthymios Balomenos	AA28 Digital Services for Alumina Refineries Andrey Panov	AL28 Fully Automated XRD Analysis of Electrolytic Bath – An Advanced and Flexible Approach for Rapid and Accurate Process Monitoring Sheida Makvandi	AL48 Impact of Anode Change on MHD in Aluminium Reduction Cell Zhibin Zhao
12:30		Break	Break	Break	Break
13:30	1	BR01 Mineralogical and Compositional Description of Al Taweelah Alumina Refinery's Bauxite Residue Markus Graefe	BX01 Pilot tests with Tertiary Cyclone for Kaolinite Removal from Amazonian Bauxite Geraldo Duarte	AL29 Plant-Floor Chemical Composition Analysis of Liquid Aluminum Kristjan Leosson	AL49 Impact of Metal Pad Heave on Shell Temperature of Aluminum Reduction Cells André-Felipe Schneider
13:50	2	BR02 Red to Green Projects in Alumina Refineries of Hindalco Vaishali Surawar	BX02 Kaolinite Reduction in Amazonian Bauxite by Reverse Flotation Geraldo Duarte	AL30 The Role of New Sensors for Hall-Héroult Process Control, Optimization and Advanced Analytics Jayson Tessier	AL50 Impact of TE-MHD Coupling on Cell Performance Louis Bugnion
14:10	3	BR03 Bauxite Residue Management Governance in the Americas and the Future Global Focus on Critical Minerals Shanti Persaud	BX03 The Research Of Technology For Combined Desulfurization Of Refractory Ultra-high Sulfur Bauxite by Gravity Flotation Jianqiang Zhang	AL31 Quick And Safe Replacement of an Existing Pot Control System by ALPSYS Thibaut Mattei	AL51 Cathode Design Effects on MHD Stability of Aluminium Reduction Cells Marc Dupuis
14:30	4	BX05 Phase quantification of Bauxite by Thermogravimetric analysis Vinod Kumar Verma	BX04 A Process for the Development of Calcined Bauxite from Ferruginous Bauxite Pravin Bhukte	AL32 Maintaining Optimal Setpoint Voltage in Smelter Pots Using Digital Technologies and ML Algorithms Dimitrios Karavas	AL52 A New Mechanical Model of Magneto-hydrodynamic Instabilities in Aluminium Electrolysis Cells Marc Dupuis
14:50		Break			
15:00	1	KN05 Towards Carbon Neutral Primary Aluminium Smelting via Carbon Dioxide Capture (and Storage)		Stephan Broek	
15:20	2	KN06 The Aluminium Industry's Progress on Sustainability		Miles Prosser	
15:40	3	KN07 Future of Indian Aluminium Sector : Challenges and Progress		Nitin Kumar Tiwari	
16:00	4	KN08 Bauxite And Alumina Market Outlook - Upstream Investments Remain Attractive		Anthony Lewis Everiss	
16:20		Panel discussion and Q/A with speakers			

