



42<sup>nd</sup> ICSOBA International Conference and Exhibition, Lyon, 27-31 October, 2024

**Program at a Glance** (as 9 September 2024)



	LOCAL TIME									
	Brisbane	Beijing Perth	India	Dubai	Moscow	Athens	Paris	London	Sao Paulo	Montreal New York
<b>Introduction</b>	17:00	15:00	12:30	11:00	10:00	9:00	8:00	7:00	4:00	2:00
	17:30	15:30	13:00	11:30	10:30	9:30	8:30	7:30	4:30	2:30
Start	17:30	15:30	13:00	11:30	10:30	9:30	8:30	7:30	4:30	2:30
End	19:00	17:00	14:30	13:00	12:00	11:00	10:00	9:00	6:00	4:00
<b>Networking Break</b>	19:00	17:00	14:30	13:00	12:00	11:00	10:00	9:00	6:00	4:00
	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	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00
<b>Lunch Break</b>	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00
	22:00	20:00	17:30	16:00	15:00	14:00	13:00	12:00	9:00	7:00
Start	22:00	20:00	17:30	16:00	15:00	14:00	13:00	12:00	9:00	7:00
End	23:30	21:30	19:00	17:30	16:30	15:30	14:30	13:30	10:30	8:30
<b>Networking Break</b>	23:30	21:30	19:00	17:30	16:30	15:30	14:30	13:30	10:30	8:30
	0:00	22:00	19:30	18:00	17:00	16:00	15:00	14:00	11:00	9:00
Start	0:00	22:00	19:30	18:00	17:00	16:00	15:00	14:00	11:00	9:00
End	2:00	0:00	21:30	20:00	19:00	18:00	17:00	16:00	13:00	11:00
<b>Break</b>	3:00	1:00	22:30	21:00	20:00	19:00	18:00	17:00	14:00	12:00
	4:00	2:00	23:30	22:00	21:00	20:00	19:00	18:00	15:00	13:00
Start	5:00	3:00	0:30	23:00	22:00	21:00	20:00	19:00	16:00	14:00
End	6:00	4:00	1:30	0:00	23:00	22:00	21:00	20:00	17:00	15:00

October 27, Sunday	Day 1 October 28, Monday				Day 2 October 29, Tuesday				Day 3 October 30, Wednesday				Day 4 October 31
	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 Sponsors Presentation				Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical Field Trips
	Technical session	Technical session	Technical session	Technical session									
	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	
	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	
IAI BAC Meeting (by invitation only)													
					Delegate group photo				Keynotes session B (5 presentations and Q&A)				
					Keynotes session A (4 presentations and Q&A)				Keynotes session C (4 presentations and Q&A)				
					Corporate Members Council				Participants Meeting (tbc)				
									Best Papers Award Ceremony				

Additional program:  
 24 to 26 October 2024 1<sup>st</sup> Bayer Short Course  
 2<sup>nd</sup> Electrolysis Short Course

19:30 ICSOBA welcome cocktail	19:30 Cruse cocktail dinner (registered participants only)	19:30 ICSOBA Gala Dinner Sponsor's and Exhibitor's acknowledgment	19:30 Fun cocktail dinner (registered participants only)
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## 42<sup>nd</sup> Conference and Exhibition ICSOBA 2024

### Tentative Detailed Program - Day 1 (Monday 28<sup>th</sup> October)

8:00		Conference Introduction	Auditorium Lumières	Claude Vanvoren and Frank Feret			
Paris Time	#	Stream 1 - Rhône 2 Casthouse	Stream 2 - StClair 3 Electrode	Stream 3 - Rhône 3 Alumina	Stream 4 - Auditorium Pasteur Electrolysis		
8:30		<b>1.1.7.1 Session Chair:</b>	<b>1.2.2.1 Session Chair:</b>	<b>1.3.5.1 Session Chair:</b>	<b>1.4.4.1 Session Chair:</b>		
8:40	1	CH01 Combined Quantitative Analysis of Salt Fluxes Composition by X-ray Diffraction and X-ray Fluorescence in Process Control Oksana Bezrukova	EL01 A Case Study For Emissions Free CPC Production Les Edwards	AA01 Decarbonization of the Bayer Process – A Technical Assessment of Enabling Technologies and Process Economics Michael Barnes	AL01	Historical Development of Aluminium Technologies in Germany Horst Peters	
9:00	2	CH02 Conservation of Energy in Al Cast House – Technology Advancement to Overcome Challenges Praddyum Pavitrakar	EL02 Analysis of Materials For Production and From Production Lorentz Petter Lossius	AA02 Co-firing of Coal and Acai Seed in Bubbling Fluidized Bed Boiler Clara Veiga	AL02	Experience of Potline Restarts in the TRIMET Group Janik Brenk	
9:20	3	CH03 Energy Efficiency and Clean Energy Usage in Cast House Furnaces Lee Allen	EL03 Improved Process Safety of Petroleum Coke Calcination by Improved Knowledges and Control Measures Marie-Josée Dion	AA03 KX Low Temperature Digestion Preliminary Engineering Rob Clegg	AL04	Successful 72-Hour Sleeping Mode Operation on AP40 Pots in Kitimat Smelter: A Case Study. Pradeep Varma Kalidindi	
9:40	4	CH04 Improvement in Sodium Reduction Process During TAC Mehboob Hussain	EL04 A Cradle-to-Gate Life Cycle Assessment of Pre-baked Carbon Anode Production; A Case Study in Quebec Bernard Osei	AA04 Exhaust to Energy: Waste Heat Recovery in Alumina Digestion Santunu Pathy	AL05	EGA Experience in Improving Cell Performance through Design and Control System Upgrade of INALUM Sumitomo S170 Technology Alexander Arkhipov	
10:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>		
10:30		<b>1.1.7.2 Session Chair:</b>	<b>1.2.2.2 Session Chair:</b>	<b>1.3.5.2 Session Chair:</b>	<b>1.4.4.2 Session Chair:</b>		
10:40	1	CH05 Enabling Improved Waste Heat Recovery in Digestion for Energy and Carbon Footprint Reduction Afshin Lutfi	EL05 A Robust FTC of the Global Aluminium Industry Peter Klut	AA05 Enabling Improved Waste Heat Recovery in Digestion for Energy and Carbon Footprint Reduction Andrew Furlong	AL06	Reducing Amperage Due to Rectifier Maintenance in EGA Jebel Ali DX Potline 8 Satheesh Mani	
11:00	2	CH06 Vertical Direct Chilled Casting Facilities (VDC) Reliability Improvement at EGA Nasser Al Khaja	EL06 Rhodax Process – Recent Evolution and Future Challenges Christophe Bouche	AA06 Enhancing Energy Efficiency in Alumina Refineries through Motor Underload Current Monitoring Subhadeep Bhattacharya	AL07	Seasonal Protocol – Strategies to Improve the Thermal Balance in Potline Swapnil Sahu	
11:20	3	CH07 100 % Volumetric Ultrasonic Inspection on 5182 Slabs Post Casting Pierre Jeanroy	EL07 Low Resistance, High Flow PrimaFlow Filters – Latest Results in Carbon Bake Fume Michael Neate	AA29 Influence of Calcination Parameters on Alumina Quality in Gas Suspension Calciner Chandrakala Kari	AL08	SmartCrane Contributes To Proactive Decision Making And Optimization Of Electrolysis Process Clement Pessemesse	
11:40	4	CH08 Automatic Real-Time Chemical Composition Analysis (LP-LIBS) in Casthouse Operations Kristjan Leosson	EL08 NOx Emission Reduction at ALBA (Aluminium Bahrain) Kiln-5 Hesham Hasan Buhazza	AA30 ACH Calcination and Spray Roasting: Opportunities for Closing Gaps Within the Chloride Route David Konlechner	AL09	Pot Control Systems and Safety. Lessons Learned from Real Potline Incidents. Dinesh Umaphathi	
12:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>		
13:00		<b>1.1.7.3 Session Chair:</b>	<b>1.2.2.3 Session Chair:</b>	<b>1.3.5.3 Session Chair:</b>	<b>1.4.4.3 Session Chair:</b>		
13:10	1	CH09 Development of Electrical Wire Rod with Recycled Content at TRIMET France Nicolas Ligonesche	EL09 Data Science applied to Anode Baking Furnace Environmental Foot Print Reduction Christophe Bouche	AA26 Green Specialty Alumina For Greener Energy Products Saurabh Khedekar	AL10	Development, Testing and Deployment of the METRICS Pot Control System Sylvain Fardeau	
13:30	2	CH10 DC-Casting of Rolling Ingots With High Level of Magnesium Alexander Alabin	EL10 Inspection Methodology and Upgrade options for Anode Bake Fume Treatment Centres Mikkel Sorum	AA27 Enhancing Hydrate Properties to cater new age Hydrate Applications Kaushal Gupta	AL11	An Explainable AI Approach for Predictive Bath Temperature Regulation Prateek Kumar Lath	
13:50	3	CH11 Combined Rolling and Extrusion production of Wire Rod Alexander Salnikov	EL11 Enhancing Operational Visibility in Anodes Baking Furnace Edouard Mofor	AA28 Evaluation of Rho Alumina Binder on Setting Behaviour Due to Soda Additives and Retarder Ravi Kiran Das	AL12	Online Display System for Key Parameters of Aluminum Electrolysis Cells Qing Wei	
14:10	4	CH12 Real-time Monitoring of Legionella in Casthouse Water Cooling Systems Geneviève Doyer	EL12 Modern Fume Treatment Centers for ABF; a comparison between 2 Fumes Cooling Technologie Bassam Hureiki	AA-Q&A <i>Panel discussion: Specialty Hydrate &amp; Alumina - Where next?</i>	AL13	EGA Pot Feed Systems - Challenges and Solutions Budoor Rahim Ali	
14:30		<i>Break</i>					
<b>Keynote Session - Auditorium Lumières</b>							
15:00 <b>Delegates group photo</b>							
<b>Session Chair:</b>							
15:20	1	KN01 Pioneering Sustainable Aluminium: Aluminium Dunkerque's Decarbonization and Partnership Strategy			Guillaume de Goys		
15:40	2	KN02 10 Years TRIMET France, a Success Story			Loic Menner		
16:00	3	KN03 Alteo Gardanne Refinery: 130 Years of Adaptation to Meet the Dual Challenge of Environmental Protection and Added Value			Guillaume Bastien		
16:20	4	KN04 Rio Tinto, the Organization Facing Aluminium's Technological and Environmental Challenges			Sylvie Fraysse		
16:40		Panel discussion and Q/A with speakers					

**42<sup>nd</sup> Conference and Exhibition ICSOBA 2024**  
**Tentative Detailed Program - Day 2 (Tuesday 29<sup>th</sup> October)**

Paris Time	#	Stream 1 - Rhône 2 Casthouse - Electrode	Stream 2 - StClair 3 Alumina	Stream 3 - Rhône 3 Electrolysis	Stream 4 - Auditorium Pasteur Electrolysis
8:00		<b>2.1.3.1 Session Chair:</b>	<b>2.2.2.1 Session Chair:</b>	<b>2.3.5.1 Session Chair:</b>	<b>2.4.4.1 Session Chair:</b>
8:10	1	Reserved	AA12 An Effective Filter Aid for the Direct Filtration of Digester Blowoff Scott Moffat	AL15 Arguments for Keeping Uniform Alumina Concentration and Anode-Cathode Distance in Aluminium Electrolysis Cells Asbjørn Solheim	AL46 Re-adjustment of Anode Vertical Height After Anode Change Using Anode Current Pickup Profile Choon-Jie Wong
8:30	2	CH13 Casthouse Refractory Methods for Risk Control and Quality Assurance Philippe Gauthier	AA13 Assessment of Chemical Additives Impact on Alumina Refinery Processes Raquel Singulani	AL16 A Local Alumina and ACD Observer for Aluminium Electrolysis Cells Using Anode Currents Andrea Mattioni	AL39 Reduction of Net Carbon Consumption - Different Avenues Tested Stephane Mermet-Guyenet
8:50	3	CH14 Atlantic Operation Centre (AOC): The Foundation Towards the Best Operator to Overcome the Industry Challenges and Ensure Competitiveness Jean-Luc Allard	AA25 Improved Product Hydrate Filtration Efficiency of Alumina Refinery Through Nalco Water's FilterMax Technology Shounak Banerjee	AL17 Research on Different Characteristics and Local Control of Alumina in an Aluminium Electrolysis Cell Wei Liu	AL40 Carbon Dusting Mechanisms and Countermeasures Matthias Dechent
9:10	4	CH15 Advanced Data Analytics Tools to Identify the Root Cause of Filter Clogging During Casthouse Operation Josée Colbert	AA15 Iron Impurity in Liquor - Impact on Product Quality and Control Methods Amit Gupta	AL18 Unlocking the Secrets of Alumina Dissolution: Navigating the Dynamic Interplay of Bath Composition Jonathan Alarie	AL41 Experimental Study of Multi-Bubble Dynamics Below a Small Anode Using an Air-Water Model Ali Amiri Gheisvandi
9:30	5	CH16 Batscan: the Coming of Age of a New Tool for Inclusion Detection in Liquid Aluminium Jean-Louis Achard	AA16 Study on The Removal Mechanism of Vanadium from Strong Alkaline Solution Hui-bin Yang	AL19 Multilevel Robust State Observer for Spatial Alumina Concentration Estimation Choon-Jie Wong	AL42 Experience and Learnings with Inclined Anode Slots in High Amperage Aluminium Reduction Cell Alexandre Blais
10:00		Break	Break	Break	Break
10:30		<b>2.1.3.2 Session Chair:</b>	<b>2.2.2.2 Session Chair:</b> xx	<b>2.3.5.2 Session Chair:</b>	<b>2.4.4.2 Session Chair:</b>
10:40	1	EL13 Thermal Cycling Tests on Dense Refractoriests José Almeida	AA14 Gardanne Plant - Lessons Learn of Bayer-type Process on Stand-by for a Few Weeks Laurent Guillaumont	AL20 Enhancing Operational Efficiency through Advanced Thermal Management Tools Patrice Côté	AL52 CFD Modelling of Potroom Ventilation Vandertei Gusberti
11:00	2	EL14 Anode Baking Furnace with Optimized Heating Curves and Natural Gas Consumption Reduction at Sohar Aluminium Ahmed Belfoul	AA17 Agglomeration Process Optimization Pedro Costa	AL21 Systematic Approaches to Reduce Specific DC Power Consumption at Vedanta Jharsuguda Smelter Bibhudatta Mohanty	AL53 Impact of Cathode Ring Busbars on Potshell Temperature by Radiation Heat Transfer André Felipe Schneider
11:20	3	EL15 Challenges in Reduction of Stub to Carbon Voltage Drop for Amperage Increase Sudhir Patel	AA19 Optimization of Aluminum Hydroxide Seeded Crystallization Using Predictive Model Andrey Panov	AL23 Development and Application of Aluminum Electrolysis Series Energy Saving Technology based on Steady Flow and Heat Preservation Yanan Zhang	AL54 Comparison of CVD, Horizontal Currents and MHD Stability of Different Cathode Designs Marc Dupuis
11:40	4	EL16 Modelling of Cast Iron to Carbon Electrical Contact Resistance to Reproduce Anode Voltage Measurements Louis Bugnion	AA20 Intelligence-Driven Precipitation Control for Enhanced Alumina Productivity with Consistent Quality: A Machine Learning Approach Subhadeep Bhattacharya	AL22 Reduction of Auxiliary Energy Consumption in Aluminium Smelter Vignesh Rajendran	AL55 Thermo-electrical Modeling of the Effect of Metal Height and Cathode Erosion on Cell Heat Balance Simon-Olivier Tremblay
12:00		Break	Break	Break	Break
13:00		<b>2.1.3.3 Session Chair:</b> xx	<b>2.2.1.3 Session Chair:</b>	<b>2.3.5.3 Session Chair:</b>	<b>2.4.5.3 Session Chair:</b>
13:10	1	EL17 Anode Centre Modifications to Accommodate Potrooms Amperage Increase Vinko Potocnik	AA21 Reflections on 25 Years of Swirlflow® Operation at QAL Refinery Mark Dorreen	AL24 Production Process Optimization of a 240 kA Potline Under SAMI's Deep Energy-saving Aluminum Electrolysis Technology System Michael Ren	AL56 Modelling Study of the Impact of Daily Power Modulation on Cell Thermal Balance Mohamad Ismail
13:30	2	EL18 Time-Dependent Response of Coke-Glycerin Mixtures to Mechanical Vibration Amir Kafaei	AA22 Utilization of a Modern Scale Management Technique for Precipitation Tanks Ahlam AlMajrafi	AL25 Application of Shell Heat Exchanger Supplied with Compressed Air for Pot Sidewall Cooling Gratha Adhitya Putra	AL57 Analysing the Stability of Aluminium Electrolysis Cells Using a Mechanical Model Marc Dupuis
13:50	3	EL19 New Solutions and Products of Inert Anode Technology Alexander Gusev	AA23 Adaption of 80 m <sup>2</sup> Belt Filter from Processing Fine Classified Seed to Coarse Product Rob Clegg	AL59 The Complexity of PFC Generation in Alumina Reduction Morten Isaksen	AL58 Upgrade Experiment on Magneto-hydrodynamic Stability of 350 kA Aluminum Reduction Pot Liu Wei
14:10	4	EL20 Effect of Wood Type on Biocoke Wettability by Coal Tar Pitch Belkacem Amara	AA24 How Additional Vacuum Disc Filter Design Can Support Operations Christelle Zschernitz	AL60 PFC Measurements - A Review of Equipment Necessary to Fulfill Accurate Measurements Luis Espinoza-Nava	AL43 A CFD Study of Bubble Dynamics and Voltage Drop in Slotted Anodes Mostafa El Mehdi Briq
14:30		Break			
		<b>Keynote Session - Auditorium Lumières</b>	<b>Session Chair:</b>		
15:00	1	KN05 Preventing Molten Metal Explosions In Smelters Alex Lowery			
15:20	2	KN06 Creating a Safety Culture Tim Murray			
15:40	3	KN07 Journey of Hindalco as an Integrated Aluminium Producer Kananand Sokkuraj			
16:00	4	KN08 New Development of Energy-saving and Digital Intelligence Technologies for Aluminum Electrolysis Industry in China Kaibin Chen			
16:20	5	KN09 Guinea's Golden Decade of Bauxite Export Growth Alan Clark			
16:40		Panel discussion and Q/A with speakers			

## 42<sup>nd</sup> Conference and Exhibition ICSOBA 2024

### Tentative Detailed Program - Day 3 (Wednesday 30<sup>th</sup> October)

Paris Time	#	Stream 1 - Rhône 2 <i>Bauxite Residue</i>	Stream 2 - StClair 3 <i>Bauxite - Alumina</i>	Stream 3 - Rhône 3 <i>Electrolysis</i>	Stream 4 - Auditorium Pasteur <i>Electrolysis</i>
8:00		<b>3.1.1.1 Session Chair:</b>	<b>3.2.2.1 Session Chair:</b>	<b>3.3.5.1 Session Chair:</b>	<b>3.4.4.1 Session Chair:</b>
8:10	1	BR01 Reduction of Water Infiltration on the BRDA of the Gardanne Alumina Refinery Arthur Caer	AA07 Some Lessons Learnt from an R&D Project: the ILTD Process case Gyorgy Banvolgyi	AL26 Cell Design Modifications to Reduce Specific Energy Consumption Maria Fernanda Jaitman	AL03 Ma'aden Reduction Potline Partial Failure Incident and Recovery Subah Al-Shammari
8:30	2	BR03 Spectroscopic Investigations of Mining Residues Drying Kinetics To Predict And Prevent Fugitive Dust Emissions Gilles-Alex Dessap Pefete	AA08 Bauxite Beneficiation at the Grinding stage in Kazakhstan Alumina Production Sanzhar Kazymov	AL27 Impact of Lining Material Degradation on Performance of Hall-Héroult Reduction Cell Ali Jasim	AL44 Anode Spike Model: A Case Study of Challenges and Future Directions Sayed Khursid Ahemad
8:50	3	BR04 Applying CFD Modelling and FEA to Enhance Bauxite Residue Slurry Flow through Distribution Rings in Filter Presses Thomas Grillot	AA10 Kinetics of Quartz Dissolution and Impact on Boehmite Extraction Rajanikant Jadhav	AL28 Exploring Refractory Material Degradation in Aluminum Electrolysis Cells Mohamed Hassen Ben Salem	AL45 Validation of Anode Current Distribution Measured by A Smart Individual Anode Monitoring System Maitha Ismail Faraj
9:10	4	BR02 Modern Concept for the Desanding of Red Mud Thomas Baumann	BX05 Influence of Sodium Hexametaphosphate as Dispersant on Amazonian Bauxite Flotation Geraldo Duarte	AL29 Behavior of Different Lining Designs with FCN in High Productivity Pots in ALBA Hassan Almohri	AL14 Scale-up Of Pneumatic Conveying Systems Inside Existing Plants Jan Paepcke
9:30	5	BR05 Re-examining the Risks and Environmental Indicators in the Closure Governance of Bauxite Residue Disposal Areas in Jamaica Shanti Persaud	BX06 Kaolinite Reduction on Bauxite through Mechanochemical Activation with Lime Geraldo Duarte	AL30 The Successful Testing and Implementation of AP30 Technology Spinoff Pot Designs at Alcoa Fjarðaal Katarzyna Mirek-Sliwa	AL61 New Products from Sulphate Wet Scrubbers of Aluminium Reduction Alexander Suss
10:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
10:30		<b>3.1.1.2 Session Chair:</b>	<b>3.2.2.2 Session Chair:</b>	<b>3.3.5.2 Session Chair:</b>	<b>3.4.4.2 Session Chair:</b>
10:40	1	BR07 Technical and Engineering Insights into Green Iron Production from Bauxite Residue: A Microwave Plant Assembly Process Marecelo Montini	BX01 Mineralogical and Geochemical Characterization of the Paranas Bauxite Deposit, Samar Island, Philippines Jayvhel Guzman	AL31 Towards a Greener Aluminium Production: A Carbon Footprint Assessment of Graphitized Cathodes for Electrolysis Pots Tristan Carrère	AL48 Successful Implementation of INALUM Pilot Cells Using EGA Cell Upgrade Technological Know-How Sajid Hussain
11:00	2	BR08 Alkaline Extraction of Alumina from Hydrogen Reduced Bauxite Residue Pellets Dimtrios Panias	BX02 Hyperspectral Imaging, Data Processing and Prediction of Bauxite Samples from Paragominas, Brazil Acacio Pina Neto	AL32 Online Chemical Analysis of Aluminium Metal in Primary Production Plants using a Preparation Free Sample and Mobile Laser OES Analyser Martin Kendall	AL49 Design of Shunts for DX+ Cell Preheat and In: Mahasal Khan
11:20	3	BR11 Field Evaluation of a New Road Subbase Concept Including Bauxite Residue and Other Industrial By-Product Stephan Beaulieu	BX03 Enhancing Efficiency in Mining Operations through Closed-loop Real-time Ore Control System (CROCS) Fei Fei Wang	AL33 Response Characteristics of Zone Resistance in Aluminium Reduction Cell Jun Lei	AL50 The Robustness Of Ready To Use Cathodes (RuC®): A Mature Technology Available For The Primary Aluminium Industry Oscar Alberto Vera Garcia
11:40	4	BR06 European Aluminium's Innovation Hub: Enhancing Bauxite Residue Valorisation Pathways Through Collaborative EU Projects Kostantinos Kollias	BX07 Optimization of Cyclone Geometry for Bauxite Beneficiation Geraldo Duarte	AL34 Understanding the Factors Influencing the Carbon Dioxide Dilution in an Aluminium Electrolysis Cell Mohammadreza Basohbatnovinzad	AL51 EGA Experience with Full Copper Cathode Collector Bars Nadia Ahli
12:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
13:00		<b>3.1.1.3 Session Chair:</b>	<b>3.2.2.3 Session Chair:</b>	<b>3.3.5.3 Session Chair:</b>	<b>3.4.5.4 Session Chair:</b>
13:10	1	BR12 Strength Development Of Blended Cements Containing Co-Calcined Bauxite With Kaolinitic Clay Natalia Piresmartins	BX04 Changing Lining Technology at the SAG Bauxite Mill at Hydro Paragominas Tiago Silva	AL35 Improving Cell Performance with Artificial Intelligence Multi-Objective Optimisation of Bath Composition Joseph Ndjebabyi Nloga	AL62 Treatment and Valorisation of Solid Wastes from Smelters with the LCL&L Process Hervé Gauthier
13:30	2	BR13 Co-Calcination of BR with Kaolin for Economic Production of SCM. Industrial Pilot Results Efthymios Balomenos	BX08 Fast Growing Nitrogen-fixing Bacteria Engineered for Seedling Production Applied at Post Mining Restoration Areas. Igor do Vale	AL36 Real-Time Estimation of Electrolytic Bath Using Temporal Neural Networks Alexandre Beaulieu	AL63 Massive Recycling of Underpot Material to Pots at Sohar Aluminium Smelter Ciro Kato
13:50	3	BR15 Low-Carbon Cements from Aluminum Chain By-Products Marecelo Montini	BX09 Using Soil Bioengineering to Recover a Gully in the Amazon Forest Igor do Vale	AL37 Reduction of Specific AlF3 Consumption in Hindalco Hirakud Smelter Gaurav Verma	AL64 Study on Utilization and Disposal Technology of Spent Potlining Tingting Du
14:10	4	BR14 Development of Concretes with Different Strength Classes and Variations of Untreated Bauxite Residue Consumption Markus Rebmann	BX10 Implementation of the Global Industry Standard on Tailings Management (GISTM) in Norsk Hydro Bauxite and Alumina Paulo Alfenas	AL38 Bath Chemistry control with Different Alumina Compositions Vishal Ahmad	AL65 Recovery of Aluminium from Metal Pads in Shutdown Aluminium Electrolysis Cells Samuel Senanu
14:30		<i>Break</i>			
		<b>Keynote Session - Auditorium Lumières</b>	<b>Session Chair:</b>		
15:00	1	KN10 Can the Aluminium Industry Meet Global Climate Change Targets? Miles Prosser			
15:20	2	KN11 Opening the Automatic Frequency Restoration Reserve Markets in Europe: an Opportunity for Electrolyzers Marion Perrin			
15:40	3	KN12 Aluminium Market Outlook: Reaching An Inflection Point? Uday Patel			
16:00	4	KN13 Low-carbon Aluminium: Market Dynamics and Pathway to Green Transition Perrine Faye			
16:20		Panel discussion and Q/A with speakers			