



42nd ICSOBA International Conference and Exhibition, Lyon, 27-31 October, 2024

Program at a Glance (updated on 17 October 2024)



	LOCAL TIME									
	Brisbane	Beijing Perth	India	Dubai	Moscow	Athens	Paris	London	Sao Paulo	Montreal New York
Introduction	17:00	15:00	12:30	11:00	10:00	9:00	8:00	7:00	4:00	3:00
	17:30	15:30	13:00	11:30	10:30	9:30	8:30	7:30	4:30	3:30
Start	17:30	15:30	13:00	11:30	10:30	9:30	8:30	7:30	4:30	3:30
End	19:00	17:00	14:30	13:00	12:00	11:00	10:00	9:00	6:00	5:00
Coffee Break	19:00	17:00	14:30	13:00	12:00	11:00	10:00	9:00	6:00	5:00
	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	5:30
Start	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	5:30
End	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	7:00
Lunch	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	7:00
	22:00	20:00	17:30	16:00	15:00	14:00	13:00	12:00	9:00	8:00
Start	22:00	20:00	17:30	16:00	15:00	14:00	13:00	12:00	9:00	8:00
End	23:30	21:30	19:00	17:30	16:30	15:30	14:30	13:30	10:30	9:30
Coffee Break	23:30	21:30	19:00	17:30	16:30	15:30	14:30	13:30	10:30	9:30
	0:00	22:00	19:30	18:00	17:00	16:00	15:00	14:00	11:00	10:00
Start	0:00	22:00	19:30	18:00	17:00	16:00	15:00	14:00	11:00	10:00
End	0:20	22:20	19:50	18:20	17:20	16:20	15:20	14:20	11:20	10:20
End	2:00	0:00	21:30	20:00	19:00	18:00	17:00	16:00	13:00	12:00
Break	2:00	0:00	21:30	20:00	19:00	18:00	17:00	16:00	13:00	12:00
	2:30	0:30	22:00	20:30	19:30	18:30	17:30	16:30	13:30	12:30
Start	2:30	0:30	22:00	20:30	19:30	18:30	17:30	16:30	13:30	12:30
End	3:30	1:30	23:00	21:30	20:30	19:30	18:30	17:30	14:30	13:30

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

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	
IAI BAC Meeting (by invitation only)													
		Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	Technical session	
		Delegate group photo				Keynotes session B (5 presentations and Q&A)				Keynotes session C (4 presentations and Q&A)			
	Keynotes session A (4 presentations and Q&A)												
									17:10 Best Papers Award Ceremony				
	Corporate Members Council												
19:30 ICSOBA welcome cocktail	19:30 Cruise cocktail dinner (registered participants only)				19:30 ICSOBA Gala Dinner Sponsor's and Exhibitor's acknowledgment				19:30 Fun cocktail dinner (registered participants only)				

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		1.1.7.1 Session Chairs: Josée Colbert & Joseph Langlais		1.2.2.1 Session Chairs: Duygu Kocafe & Houshang Alamdari		1.3.5.1 Session Chairs: Laurent Guillaumont & Sébastien Fortin		1.4.4.1 Session Chairs: Stephan Broek & Vinko Potocnik					
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	Coal and Acai Seed Co-firing 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		Break		Break		Break		Break					
10:30		1.1.7.2 Session Chairs: Josée Colbert & Joseph Langlais		1.2.2.2 Session Chairs: Edouard Mofor & Houshang Alamdari		1.3.5.2 Session Chairs: Michael Barnes & Thymis Balomenos		1.4.4.2 Session Chairs: Sylvain Fardeau & Dagoberto Severo					
10:40	1	CH05	Increase Casting Capacity of DC-5 Caster at EGA Jebel Ali	Nilay Shah	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	Shaiju Soman	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		Break		Break		Break		Break					
13:00		1.1.7.3 Session Chairs: Philippe Gauthier & Joseph Langlais		1.2.2.3 Session Chairs: Francesco Baccala & Houshang Alamdari		1.3.5.3 Session Chairs: Ken Evans & Andrey Panov		1.4.4.3 Session Chairs: Herve Roustan & Vinko Potocnik					
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	Martijn Vos	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	Martijn Vos	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	AL13	EGA Pot Feed Systems - Challenges and Solutions	Budoor Rahim Ali
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 & Alumina - Where next?</i>		AL13		
14:30		Break		Break		Break		Break					
Keynote Session - Auditorium Lumières													
Delegates group photo													
Session Chair: Stephan Broek													
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 Maenner						
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										

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Detailed Program - Day 2 (Tuesday 29th 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		2.1.3.1 Session Chairs: Martijn Vos & Josph Langlais	2.2.2.1 Session Chairs: Stephan Beaulieu & Andrey Panov	2.3.5.1 Session Chairs: Till Reek & Dagoberto Severo	2.4.4.1 Session Chairs: Pablo Navarro & Vinko Potocnik
8:10	1	Reserved	AA12 An Effective Filter Aid for the Direct Filtration of Digester Blowoff Scott Moffat	AL46 Re-adjustment of Anode Vertical Height After Anode Change Using Anode Current Pickup Profile Choon-Jie Wong	AL15 Arguments for Keeping Uniform Alumina Concentration and Anode-Cathode Distance in Aluminium Electrolysis Cells Asbjørn Solheim
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	AL39 Reduction of Net Carbon Consumption - Different Avenues Tested Stephane Mermet-Guyenet	AL16 A Local Alumina and ACD Observer for Aluminum Electrolysis Cells Using Anode Currents Andrea Mattioni
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	AL40 Carbon Dusting Mechanisms and Countermeasures Matthias Dechent	AL17 Research on Different Characteristics and Local Control of Alumina in an Aluminum Electrolysis Cell Wei Liu
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	AL41 Experimental Study of Multi-Bubble Dynamics Below a Small Anode Using an Air-Water Model Ali Amiri Gheisvandi	AL18 Unlocking the Secrets of Alumina Dissolution: Navigating the Dynamic Interplay of Bath Composition Jonathan Alarie
9:30	5	CH16 Batscan: the Coming of Age of a New Tool for Inclusion Detection in Liquid Aluminium Pierre-Yves Menet	AA16 Study on The Removal Mechanism of Vanadium from Strong Alkaline Solution Hui-bin Yang	AL42 Experience and Learnings with Inclined Anode Slots in High Amperage Aluminium Reduction Cell Alexandre Blais	AL19 Multilevel Robust State Observer for Spatial Alumina Concentration Estimation Choon-Jie Wong
10:00		Break	Break	Break	Break
10:30		2.1.3.2 Session Chairs: Lorentz Petter Lossius & Houshang Alamdari	2.2.2.2 Session Chairs: Daniel Manché & Sébastien Fortin	2.3.5.2 Session Chairs: Andre-Felipe Schneider & Vinko Potocnik	2.4.4.2 Session Chairs: Nadia Ahli & Dagoberto Severo
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	AL52 CFD Modelling of Potroom Ventilation Vandertei Gusberti	AL20 Enhancing Operational Efficiency through Advanced Thermal Management Tools Patrice Côté
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	AL53 Impact of Cathode Ring Busbars on Potshell Temperature by Radiation Heat Transfer André Felipe Schneider	AL27 Impact of Lining Material Degradation on Performance of Hall-Héroult Reduction Cell Ali Jasim
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	AL54 Comparison of CVD, Horizontal Currents and MHD Stability of Different Cathode Designs Marc Dupuis	AL24 Production Process Optimization of a 240 kA Potline Under SAMI's Deep Energy-saving Aluminum Electrolysis Technology System Michael Ren
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	AL55 Thermo-electrical Modeling of the Effect of Metal Height and Cathode Erosion on Cell Heat Balance Simon-Olivier Tremblay	AL25 Application of Shell Heat Exchanger Supplied with Compressed Air for Pot Sidewall Cooling Gratha Adhitya Putra
12:00		Break	Break	Break	Break
13:00		2.1.3.3 Session Chairs: Les Edwards & Houshang Alamdari	2.2.1.3 Session Chairs: Mehani Boufedji & Frank Feret	2.3.5.3 Session Chairs: Vanderlei Gusberti & Dagoberto Severo	2.4.5.3 Session Chairs: Pierre Marcellin & Bernard Allais
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	AL56 Modelling Study of the Impact of Daily Power Modulation on Cell Thermal Balance Mohamad Ismail	AL03 Ma'aden Reduction Potline Partial Failure Incident and Recovery Subah Al-Shammari
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	AL57 Analysing the Stability of Aluminium Electrolysis Cells Using a Mechanical Model Marc Dupuis	AL59 The Complexity of PFC Generation in Alumina Reduction Morten Isaksen
13:50	3	EL19 Effect of Wood Type on Biocoke Wettability by Coal Tar Pitch Belkacem Amara	AA23 Adaption of 80 m ² Belt Filter from Processing Fine Classified Seed to Coarse Product Rob Clegg	AL58 Upgrade Experiment on Magneto-hydrodynamic Stability of 350 kA Aluminum Reduction Pot Liu Wei	AL60 PFC Measurements - A Review of Equipment Necessary to Fulfill Accurate Measurements Luis Espinoza-Nava
14:10	4		AA24 How Additional Vacuum Disc Filter Design Can Support Operations Christelle Zschernitz	AL43 A CFD Study of Bubble Dynamics and Voltage Drop in Slotted Anodes Mostafa El Mehdi Brik	AL61 New Products from Sulphate Wet Scrubbers of Aluminium Reduction Andrey Panov
14:30		Break			
		Keynote Session - Auditorium Lumières	Session Chair: Magali Gendre		
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			

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Paris Time	#	Stream 1 - Rhône 2 Bauxite Residue	Stream 2 - StClair 3 Bauxite - Alumina	Stream 3 - Rhône 3 Electrolysis	Stream 4 - Auditorium Pasteur Electrolysis
8:00		3.1.1.1 Session Chairs: Marcelo Montini & Thymis Balomenos	3.2.2.1 Session Chairs: Errol Jaeger & Frank Feret	3.3.5.1 Session Chairs: Yasar Kocafe & Vinko Potocnik	3.4.4.1 Session Chairs: Ciro Kato & Dagoberto Severo
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		
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	AL44 Anode Spike Model: A Case Study of Challenges and Future Directions Sayed Khursid Ahemad	AL26 Cell Design Modifications to Reduce Specific Energy Consumption Maria Fernanda Jaitman
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	AL45 Validation of Anode Current Distribution Measured by A Smart Individual Anode Monitoring System Maitha Ismail Faraj	AL29 Behavior of Different Lining Designs with FCN in High Productivity Pots in ALBA Hassan Almohri
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	AL28 Exploring Refractory Material Degradation in Aluminum Electrolysis Cells Mohamed Hassen Ben Salem	AL30 The Successful Testing and Implementation of AP30 Technology Spinoff Pot Designs at Alcoa Fjarðal Katarzyna Mirek-Sliwa
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	AL14 Scale-up Of Pneumatic Conveying Systems Inside Existing Plants Jan Paepcke	
10:00		Break	Break	Break	Break
10:30		3.1.1.2 Session Chairs: Laurent Birry & Thymis Balomenos	3.2.2.2 Session Chairs: Clara Veiga & Sébastien Fortin	3.3.5.2 Session Chairs: Bertrand Alano & Vinko Potocnik	3.4.4.2 Session Chairs: Jeff Keniry & Dagoberto Severo
10:40	1	BR07 Technical and Engineering Insights into Green Iron Production from Bauxite Residue: A Microwave Plant Assembly Process Lucas Arantes Araújo	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 Instability Control at EGA Al Taweelah 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 Basohbat-novinzad	AL51 EGA Experience with Full Copper Cathode Collector Bars Nadia Ahli
12:00		Break	Break	Break	Break
13:00		3.1.1.3 Session Chairs: Frédérique Ferey & Thymis Balomenos	3.2.2.3 Session Chairs: Roberto Seno & Andrey Panov	3.3.5.3 Session Chairs: Alexander Arkipov & Vinko Potocnik	3.4.5.4 Session Chairs: Eliezer Batista & Dagoberto Severo
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 Foteini Kratouna	BX08 Fast Growing Nitrogen-fixing Bacteria Engineered for Seeding 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 Darllan do Rosario Pinheiro	BX09 Using Soil Bioengineering to Recover a Gully in the Amazon Forest Igor do Vale	AL37 Reduction of Specific AlF ₃ Consumption in Hindalco Hiraakud 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 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		Break			
		Keynote Session - Auditorium Lumières	Session Chair: Caroline Alglave		
15:00	1	KN10 Can the Aluminium Industry Meet Global Climate Change Targets? Miles Prosser		<p>The conference program is managed using the </p> <p>Please check the Actual Program at Whova to take into account any late change that occurs.</p>	
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			