



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

Program at a Glance
(1 August 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	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	
Networking Break	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	
Lunch Break	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	
Break	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	
Networking Break	2:00	0:00	21:30	20:00	19:00	18:00	17:00	16:00	13:00	11:00	
	2:30	0:30	22:00	20:30	19:30	18:30	17:30	16:30	13:30	11:30	
Start	2:30	0:30	22:00	20:30	19:30	18:30	17:30	16:30	13:30	11:30	
End	3:30	1:30	23:00	21:30	20:30	19:30	18:30	17:30	14:30	12:30	

Sunday	Day 1				Day 2				Day 3				Day 4
	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 (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)	Technical Field Trips
	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)	
	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)	
	Keynotes session A (4 presentations and Q&A)				Keynotes session B (4 presentations and Q&A)			Keynotes session C (4 presentations and Q&A)					
	Corporate Members Council				Delegates Meeting (tbc)				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				

Preliminary list of papers see at the next pages...

Provisional List of Papers (01 August 2024)



#	paperID	Topics	Paper Title	Presenter	Presenters organisation
1	310	Keynote	Alteo Gardanne Refinery: 130 Years of Adaptation to Meet the Dual Challenge of Environmental Protection and Added Value	Guillaume Bastien	Alteo
2	306	Keynote	Pioneering Sustainable Aluminium: Aluminium Dunkerque's Decarbonization and Partnership Strategy	Guillaume de Goys	Aluminium Dunkerque
3	316	Keynote	Creating a Safety Culture	Tim Murray	Cardinal Virtues Consulting
4	319	Keynote	New Development of Energy-saving and Digital Intelligence Technologies for Aluminum Electrolysis Industry in China	Kaibin Chen	Chinalco
5	298	Keynote	Guinea's Golden Decade of Bauxite Export Growth	Alan Clark	CM Group
6	295	Keynote	Journey of Hindalco as an Integrated Aluminium Producer	Kanakanand Sokkuraj	Hindalco
7	321	Keynote	Can the Aluminium Industry Meet Global Climate Change Targets?	Miles Prosser	International Aluminium Institute
8	305	Keynote	Rio Tinto, the Organization Facing Aluminium's Technological and Environmental Challenges	Sylvie Fraysse	Rio Tinto
9	309	Keynote	10 Years TRIMET France, a Success Story	Loïc Maenner	TRIMET France
10	307	Keynote	Preventing Molten Metal Explosions In Smelters	Alex Lowery	Wise Chem
11	322	Keynote	Low-carbon aluminium: market dynamics & pathway to green transition	Perrine Faye	FastMarkets
12	113	Keynote	Aluminium Market Outlook: Reaching An Inflection Point?	Uday Patel	Wood Mackenzie
13	311	Bauxite	Preparation and Characterization of Sr-Celsian Derived from a Zeolite Precursor Synthesized from Amazonian Bauxite Residue	Nayara Couto	Federal Institute of Pará
14	312	Bauxite	Transformation of bauxite tailings from the Amazon into Advanced Ceramic Material with Ba-celsian Structure	Nayara Couto	Federal Institute of Pará
15	111	Bauxite	Hyperspectral Imaging, Data Processing and Prediction of Bauxite Samples from Paragominas, northern region of Brazil	Acácio de Pina Neto	Hydro Bauxite & Alumina
16	260	Bauxite	Kaolinite Reduction on Bauxite through Mechanochemical Activation with Lime	Allan Reis	Hydro Bauxite & Alumina
17	301	Bauxite	Optimization of Cyclone Geometry for Bauxite Beneficiation	Allan Reis	Hydro Bauxite & Alumina
18	261	Bauxite	Gully's Sustainable Erosion Control: A Natural Engineering Approach by Hydro Paragominas	Jonilton Paschoal	Hydro Bauxite & Alumina
19	263	Bauxite	Fast Growing Nitrogen-Fixing Bacteria Engineered for Seedling Production Applied at Post-Mining Restoration Areas	Jonilton Paschoal	Hydro Bauxite & Alumina
20	255	Bauxite	Automated Governance: An Integrated Microsoft Application for Enhanced Management Processes	Israel Rocha	Hydro Bauxite & Alumina
21	256	Bauxite	Influence of Sodium Hexametaphosphate as Dispersant on Amazonian Bauxite Flotation	Geraldo Duarte	Hydro Bauxite & Alumina
22	267	Bauxite	The Implementation of the Global Industry Standard on Tailings Management (GISTM) in Norsk Hydro Bauxite and Alumina	Paulo da Silva	Hydro Bauxite & Alumina
23	114	Bauxite	Changing Lining Technology at the SAG Bauxite Mill at Hydro Paragominas	Tiago Silva	Hydro Bauxite & Alumina
24	124	Bauxite	Mineralogical and Geochemical Characterization of the Paranas Bauxite Deposit, Samar Island, Philippines	Jayvhel Guzman	Marcventures Holdings
25	149	Bauxite	Enhancing Efficiency in Mining Operations through Closed-loop Real-time Ore Control System (CROCS)	Fei Fei Wang	Rio Tinto
36	296	Alumina	Green Specialty Alumina For Greener Energy Products (Alumina Keynote)	Saurabh Khedekar	Hindalco
27	177	Alumina	Gardanne Plant - Lessons Learn of Bayer-type Process on Stand-by for a Few Weeks	Guillaumont Laurent	Alteo
28	160	Alumina	How Additional Vacuum Disc Filter Design Can Support Operations	Christelle Zschernitz	BOKELA
29	189	Alumina	Reflections on 25 Years of Swirlflow® Operation at Qal Alumina Refinery	Mark Dorreen	CSIRO
30	221	Alumina	Improved Product Hydrate Filtration Efficiency of Alumina Refinery Through Nalco FilterMax™ Technology	Shounak Banerjee	Ecolab Nalco Water
31	175	Alumina	Utilization of a Modern Scale Management Technique for Precipitation Tanks	Ahlam AlMajrafi	EGA
32	154	Alumina	Assessment of Chemical Additives Impact on Alumina Refinery Processes	Raquel Cristina Singulani	EGA
33	165	Alumina	Bauxite Pre-Beneficiation In Kazakhstan Alumina Production	Sanzhar Kazymov	ERG
34	219	Alumina	Decarbonization of the Bayer Process – A Technical Assessment of Enabling Technologies and Process Economics	Michael Barnes	Hatch
26	196	Alumina	Influence of Calcination Parameters on Alumina Quality in Gas Suspension Calciner	Chandrakala Kari	Hindalco
35	222	Alumina	Enhancing Hydrate Properties to cater new age Hydrate Applications	Asutosh Acharya	Hindalco
37	210	Alumina	Enhancing Energy Efficiency in Alumina Refineries through Motor Underload Current Monitoring	Subhadeep Bhattacharya	Hindalco
38	213	Alumina	Kinetics of Quartz Dissolution and Impact on Boehmite Extraction	Sagar Pandit	Hindalco
39	214	Alumina	Iron Impurity in Liquor - Impact on Product Quality and Control Methods	Sagar Pandit	Hindalco
40	216	Alumina	Intelligence-Driven Precipitation Control for Enhanced Alumina Productivity with Consistent Quality: A Machine Learning Approach	Subhadeep Bhattacharya	Hindalco
41	223	Alumina	Evaluation of Rho Alumina Binder on Setting Behaviour Due to Soda Additives and Retarder	Saravanan Poomalai	Hindalco
42	302	Alumina	Coal and Acai Seed Cofiring into Bubbling Fluidized Bed Boiler	Clara Veiga	Hydro Bauxite & Alumina
43	107	Alumina	Agglomeration Process Optimization	Pedro Costa	Hydro Bauxite & Alumina
44	109	Alumina	ACH Calcination and Spray Roasting: Opportunities for Closing Gaps Within the Chloride Route	David Konlechner	KON Chemical Solutions
45	274	Alumina	Optimization of Aluminum Hydroxide Seeded Crystallization Using Predictive Model	Vladimir Golubev	RUSAL
46	227	Alumina	KX Low Temperature Digestion Preliminary Engineering	Rob Clegg	Sahl Regen
47	231	Alumina	Adaption of 80 m ² Belt Filter from Processing Fine Classified Seed to Coarse Product	Rob Clegg	Sahl Regen
48	184	Alumina	Some Lessons Learnt from an R&D Project: the ILTD Process case	György {George} Bánvölgyi	Senior Process Consultant
49	129	Alumina	An Effective Filter Aid for the Direct Filtration of Digester Blowoff	Scott Moffatt	Syensqo

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#	paperID	Topics	Paper Title	Presenter	Presenters organisation
50	138	Alumina	Exhaust to Energy: Waste Heat Recovery in Alumina Digestion	Santunu Pathy	Utkal Alumina
51	304	Alumina	Enabling Improved Waste Heat Recovery in Digestion for Energy and Carbon Footprint Reduction	Andrew Furlong	Worley
52	207	Alumina	Influence Of Different Digestion Process Conditions On Digestion Rate Of Impurity Elements In Guinea Bauxite	Zheng Jie	Zhengzhou Research Institute of CHALCO
53	123	Alumina	Predicting Decomposition Rate in Alumina Production using Machine Learning	Long Duan	Zhengzhou Research Institute of CHALCO
54	187	Alumina	Study of Vanadium Removal from Caustic Solutions	Lu Siming	Zhengzhou Research Institute of CHALCO
55	230	Alumina	Study on Dezincification Technology of Alumina Production from High Zinc Bauxite	Xiaotao Lu	Zhengzhou Research Institute of CHALCO
56	139	Bauxite Residue	Modern Concept for the Desanding of Red Mud	Thomas Baumann	AKW Apparate + Verfahren
57	285	Bauxite Residue	Reduction of Water Infiltration on the BRDA of the Gardanne Alumina Refinery	Arthur Caer	Alteo
58	251	Bauxite Residue	Field Evaluation of a New Road Subbase Concept Including Bauxite Residue and Other Industrial By-Products	Stephane Beaulieu	Aughinish Alumina
59	243	Bauxite Residue	European Aluminium's Innovation Hub: Enhancing Bauxite Residue Valorisation Pathways Through Collaborative EU Projects	Konstantinos Kollias	European Aluminium
60	262	Bauxite Residue	Technical and Engineering Insights into Green Iron Production from Bauxite Residue: A Microwave Plant Assembly Process	Marcelo Montini	Hydro Bauxite & Alumina
61	297	Bauxite Residue	Low-Carbon Cements from Aluminum Chain By-Products	Marcelo Montini	Hydro Bauxite & Alumina
62	182	Bauxite Residue	Re-examining the Risks and Environmental Indicators in the Closure Governance of Bauxite Residue Disposal Areas in Jamaica	Shanti Persaud	Jamaica Bauxite Institute
63	144	Bauxite Residue	Co-Calcination of BR with Kaolin for Economic Production of SCM Production - Industrial Pilot results	Foteini Kratouna	Metlen Energy & Metals
64	183	Bauxite Residue	Spectroscopic Investigations Of Mining Residues Drying Kinetics To Predict And Prevent Fugitive Dust Emissions.	Gilles-Alex Dessap Pefete	Sherbrooke University
65	229	Bauxite Residue	Alkaline Extraction of Alumina from Hydrogen Reduced Bauxite Residue Pellets	Georgia Maria Tsaousi	Technologies for Sustainable Metallurgy
66	303	Bauxite Residue	Development of Concretes with Different Strength Classes and Variations of Untreated Bauxite Residue Consumption	Markus Samuel Rebmann	University of São Paulo
67	281	Bauxite Residue	Applying CFD Modelling and FEA to Enhance the Flow of Bauxite Residue Slurry through Distribution Rings in Filter Presses	Thomas Grillot	UQAC
68	283	Bauxite Residue	Concrete with Bauxite Residue-Innovative and Sustainable solution	Amit Chatterjee	Vedanta Limited
69	205	Bauxite Residue	Strength Development Of Blended Cements Containing Co-Calcined Bauxite With Kaolinitic Clay	Natalia Pires Martins	VITO
70	215	Bauxite Residue	Recent Research on Recovery of Iron and Aluminium from Bauxite Residue in China	Qing Yu	Zhengzhou Research Institute of CHALCO
71	192	Bauxite Residue	Current Status and Prospects of Research on the Recovery of Scandium From Red Mud	Danyang Ma	Zhengzhou Research Institute of CHALCO
72	185	Electrodes	A Case Study For Emissions Free CPC Production	Les Edwards	Rain Carbon
73	244	Electrodes	Analysis of Materials For Production and From Production	Lorentz P. Lossius	Hydro Aluminium
74	276	Electrodes	Improved Process Safety of Petroleum Coke Calcination by Improved Knowledges and Control Measures	Marie-Josée Dion	Rio Tinto
75	134	Electrodes	Exploring the Future of Carbon Anodes Production with R&D Carbon	Francesco Baccalà	R&D Carbon
76	128	Electrodes	A Cradle-to-Gate Life Cycle Assessment of Pre-baked Carbon Anode Production; A Case Study in Quebec	Bernard Osei	Laval University
77	112	Electrodes	Rhodax Process – Recent Evolution and Future Challenges	Christophe Bouche	Fives Solios
78	186	Electrodes	Low Resistance, High Flow PrimaFlow Filters – Latest Results in Carbon Bake Fume	Michael Neate	Solaft Filtration
79	137	Electrodes	NOx Emission Reduction at ALBA (Aluminium Bahrain) Kiln-5	Hesham Hasan Buhazza	Aluminium Bahrain (ALBA)
80	208	Electrodes	Data Science applied to Anode Baking Furnace Environmental Foot Print Reduction	Christophe Bouche	Fives Solios
81	212	Electrodes	Inspection Methodology and Upgrade options for Anode Bake Fume Treatment Centres	Mikkel Sørum	REEL Environmental Control Solutions
82	224	Electrodes	Enhancing Operational Visibility in Anodes Baking Furnace	Edouard Mofor	EGA
83	232	Electrodes	Modern Fume Treatment Centers for ABF; a comparison between 2 Fumes Cooling Technologies	Bassam Hureiki	Fives Solios
84	133	Electrodes	Thermal Cycling Tests on Dense Refractories	José Almeida	Rio Tinto
85	166	Electrodes	Challenges in Reduction of Stub to Carbon Voltage Drop for Amperage Increase	Anisha R. Jonnalagadda	Hindalco Industries
86	173	Electrodes	Modelling of Cast Iron to Carbon Electrical Contact Resistance to Reproduce Anode Voltage Measurements	Louis Bugnion	KAN-NAK
87	181	Electrodes	Anode Centre Modifications to Accommodate Potrooms Amperage Increase	Vinko Potocnik	Vinko Potocnik Consultant Inc.
88	145	Electrodes	Time-Dependent Response of Coke-Glycerin Mixtures to Mechanical Vibration	Amir Kafaie	REGAL, Université Laval
89	203	Electrodes	New Solutions and Products of Inert Anode Technology	Alexander Gusev	RUSAL
90	235	Electrodes	Effect of Wood Type on Biocoke Wettability by Coal Tar Pitch	Belkacem Amara	UQAC
91	158	Aluminium Electrolysis	Behavior of Different Lining Designs with FCN in High Productivity Pots in ALBA	Hassan Almohri	Aluminium Bahrain (ALBA)
92	159	Aluminium Electrolysis	The Successful Testing and Implementation of AP30 Technology Spinoff Pot Designs at Alcoa Fjarðal	Katarzyna A. Mirek-Sliwa	Alcoa Norway, Lista AS
93	253	Aluminium Electrolysis	Cell Design Modifications to Reduce Specific Energy Consumption	Maria Carolina Daviou	Aluar
94	239	Aluminium Electrolysis	Reduction of Net Carbon Consumption - Different Avenues Tested	Sylvain Delenclos	Aluminium Dunkerque
95	103	Aluminium Electrolysis	Specific AlF3 Consumption Reduction in Hindalco Hirakud Smelter	Pratap Sahu	Hindalco
96	236	Aluminium Electrolysis	Enhancing Sustainability through Co-processing of Spent Pot Lining in Cement Manufacturing	Pratap Sahu	Hindalco
97	101	Aluminium Electrolysis	Historical Development of Aluminium Technologies in Germany	Horst Dr.Peters	ATC
98	118	Aluminium Electrolysis	Successful 72-Hour Sleeping Mode Operation on AP40 Pots in Kitimat Smelter: A Case Study.	Pradeep Kalidindi	BC works-Rio Tinto

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99	104	Aluminium Electrolysis	CFD Modelling of Potroom Ventilation	Vanderlei Gusberti	CAETE Engenharia
100	252	Aluminium Electrolysis	Scale-up Of Pneumatic Conveying Systems Inside Existing Plants	Jan Paepcke	Claudius Peters Projects
101	142	Aluminium Electrolysis	Latest Developments in GTC Gas Input Temperature Management	Peter Klut	Danieli Corus
102	121	Aluminium Electrolysis	Validation of Anode Current Distribution Measured by A Smart Individual Anode Monitoring System	Maittha Faraj	EGA
103	161	Aluminium Electrolysis	Design of Shunts for DX+ Cell Preheat and Cell Instability at EGA Al Taweelah	Mahasal Khan	EGA
104	284	Aluminium Electrolysis	Bath Chemistry control with Different Alumina Compositions	Shaikha Alshehhi	EGA
105	132	Aluminium Electrolysis	Impact of Lining Material Degradation on Performance of Hall-Héroult Reduction Cell	Ali Jasim	EGA
106	195	Aluminium Electrolysis	Anode Spike Model: A Case Study of Challenges and Future Directions	Sayed K. Ahemad	EGA
107	206	Aluminium Electrolysis	EGA Experience in Improving Cell Performance through Design and Control System Upgrade of INALUM Sumitomo S170 Technology	Alexander Arkhipov	EGA
108	211	Aluminium Electrolysis	EGA Pot Feed Systems - Challenges and Solutions	Budoor Ali	EGA
109	163	Aluminium Electrolysis	A CFD Study of Bubble Dynamics and Voltage Drop in Slotted Anodes	Mostafa El Mehdi Brik	EGA
110	119	Aluminium Electrolysis	Successful Implementation of INALUM Pilot Cells Using EGA Cell Upgrade Technological Know-How	Sajid Hussain	EGA
111	258	Aluminium Electrolysis	EGA Experience with Full Copper Cathode Collector Bars	Nadia Ahli	EGA
112	259	Aluminium Electrolysis	Scaling Potline Amperage Due to Rectifier Maintenance in DX Technology Line 8	Satheesh Mani	EGA
113	168	Aluminium Electrolysis	Smartrane Contributes To Proactive Decision Making And Optimization Of Electrolysis Process	Frederic M. Pereira	Fives Aluminium
114	179	Aluminium Electrolysis	Analysing the Stability of Aluminium Electrolysis Cells Using a Mechanical Model	Marc Dupuis	GeniSim
115	245	Aluminium Electrolysis	Comparison of CVD, Horizontal Currents and MHD Stability of Different Cathode Designs	Marc Dupuis	GeniSim
116	254	Aluminium Electrolysis	Impact of Cathode Ring Busbars on Potshell Temperature by Radiation Heat Transfer	André-Felipe Schneider	Hatch
117	266	Aluminium Electrolysis	Online Chemical Analysis of Aluminium Metal in Primary Production Plants using a Preparation Free Sample and Mobile Laser OES Analyser	Martin Kendall	Heraeus
118	197	Aluminium Electrolysis	An Explainable AI Approach for Predictive Electrolyte Temperature Regulation	Prateek Kumar Lath	Hindalco
119	273	Aluminium Electrolysis	Best Practices to Achieve Benchmark Anode Effect Frequency	Rupesh Pandey	Hindalco
120	135	Aluminium Electrolysis	The Complexity of PFC Generation in Alumina Reduction	Morten Isaksen	Hydro Aluminium
121	190	Aluminium Electrolysis	PFC Measurements - A Review of Equipment Necessary to Fulfill Accurate Measurements	Luis Espinoza-Nava	L Espinoza Nava Consulting
122	152	Aluminium Electrolysis	Response Characteristics of Zone Resistance in Aluminium Reduction Cell	Chun Li	North China University of Technology
123	169	Aluminium Electrolysis	Application of Shell Heat Exchanger Supplied with Compressed Air for Pot Sidewall Cooling	Gratha Adhitya Putra	Inalum
124	125	Aluminium Electrolysis	Treatment and Valorisation of Solid Wastes from Smelters with the LCL&L Process	Laurent Birry	Rio Tinto
125	127	Aluminium Electrolysis	Pot Control Systems and Safety. Lessons Learned from Real Potline Incidents.	Dinesh Umapathi	Rio Tinto
126	136	Aluminium Electrolysis	Modelling Study of the Impact of Daily Power Modulation on Cell Thermal Balance	Mohamad Ismail	Rio Tinto
127	143	Aluminium Electrolysis	Experience and Learnings with Inclined Anode Slots in High Amperage Aluminium Reduction Cell	Alexandre Blais	Rio Tinto
128	146	Aluminium Electrolysis	Improving Cell Performance with Artificial Intelligence Multi-Objective Optimisation of Bath Composition	Joseph N. Nloga	Rio Tinto
129	167	Aluminium Electrolysis	Real-Time Estimation of Electrolytic Bath Using Temporal Neural Networks	Alexandre Beaulieu	Rio Tinto
130	280	Aluminium Electrolysis	Enhancing Operational Efficiency through Advanced Thermal Management Tools	Patrice Côté	Rio Tinto
131	246	Aluminium Electrolysis	New Products from Sulphate Wet Scrubbers of Aluminium Reduction	Alexander Suss	RUSAL
132	115	Aluminium Electrolysis	Research on Different Characteristics and Local Control of Alumina in an Aluminum Electrolysis Cell	Zhibin Zhao	SAMI
133	151	Aluminium Electrolysis	Production Process Optimization of a 240 kA Potline Under SAMI's Deep Energy-saving Cell Technology	Hongwu Hu	SAMI
134	172	Aluminium Electrolysis	Upgrade Experiment on Magnetohydrodynamic Stability of 350kA Aluminum Reduction Pot	Xi Cao	SAMI
135	155	Aluminium Electrolysis	Recovery of Aluminium from Metal Pads in Shutdown Aluminium Electrolysis Cells	Samuel Senanu	SINTEF
136	204	Aluminium Electrolysis	Arguments for Keeping Uniform Alumina Concentration and Anode-Cathode Distance in Aluminium Electrolysis Cells	Asbjørn Solheim	SINTEF
137	198	Aluminium Electrolysis	Seasonal Protocol – Strategies to Improve the Thermal Balance in Potline	Abdullah Al Yarubi	Sohar Aluminium
138	201	Aluminium Electrolysis	Massive Recycling of Underpot Material to Pots at Sohar Aluminium Smelter	Haitham Al Lahouri	Sohar Aluminium
139	188	Aluminium Electrolysis	Multilevel Robust State Observer for Spatial Alumina Concentration Estimation	Luning Ma	The University of New South Wales
140	105	Aluminium Electrolysis	Towards Greener Aluminium Production: A Carbon Footprint Assessment of Graphitized Cathodes for Electrolysis Pots	Tristan Carrère	Tokai COBEX
141	164	Aluminium Electrolysis	The Robustness Of Ready To Use Cathodes (RuC®): A Mature Technology Available For The Primary Aluminium Industry	Oscar A. Vera Garcia	Tokai COBEX
142	217	Aluminium Electrolysis	Development, Testing and Deployment of the METRICS Pot Control System	Sylvain Fardeau	TRIMET Aluminium
143	174	Aluminium Electrolysis	Carbon Dusting Mechanisms and Countermeasures	Matthias Dechent	TRIMET Aluminium
144	247	Aluminium Electrolysis	Experience of Potline Restarts in the TRIMET Group	Janik Brenk	TRIMET Aluminium
145	106	Aluminium Electrolysis	A Local Alumina and ACD Observer for Aluminum Electrolysis Cells Using Anode Currents	Andrea Mattioni	Univ. Grenoble Alpes, CNRS
146	194	Aluminium Electrolysis	Exploring Refractory Material Degradation in Aluminum Electrolysis Cells	Mohamed H. Ben Salem	Université de Sherbrooke
147	131	Aluminium Electrolysis	Experimental Study of Multi-Bubble Dynamics Below a Small Anode Using an Air-Water Model	Ali Amiri Gheisvandi	Université Laval

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148	191	Aluminium Electrolysis	A Strategy to Adjust Anode Vertical Position After Setting Using Anode Current Profile	Choon-Jie Wong	University of New South Wales
149	117	Aluminium Electrolysis	Understanding the Factors Influencing the Carbon Dioxide Dilution in an Aluminium Electrolysis Cell	Mohammadreza Basohbatnovinzad	UQAC
150	126	Aluminium Electrolysis	Decoding Alumina Dissolution: Navigating the Dynamic Interplay of Bath Composition	Jonathan Alarie	UQAC
151	250	Aluminium Electrolysis	Thermoelectrical Modeling of the Effect of Metal Height and Cathode Erosion on Cell Heat Balance	Simon-Olivier Tremblay	UQAC-CURAL
152	286	Aluminium Electrolysis	Systematic Approaches to Reduce Specific DC Power Consumption at Vedanta Jharsuguda Smelter	Hrittick Hatui	Vedanta
153	287	Aluminium Electrolysis	Reduction of Auxiliary Power Consumption in Aluminium Smelter	Prashant Singh	Vedanta
154	178	Aluminium Electrolysis	Online Display System for Key Parameters of Aluminum Electrolysis Cells	Qing Wei	Zhengzhou Research Institute of CHALCO
155	238	Aluminium Electrolysis	Development and Application of Aluminum Electrolysis Energy Saving Cell Technology based on Steady Metal Flow and Heat Preservation	Yanan Zhang	Zhengzhou Research Institute of CHALCO
156	193	Aluminium Electrolysis	Technical Study on Wear-resistance of Crust Breakers for Aluminum Reduction Cells	Dongsheng Li	Zhengzhou Research Institute of CHALCO
157	202	Aluminium Electrolysis	Study on Utilization and Disposal Technology of Spent Potlining	Tingting Du	Zhengzhou Research Institute of CHALCO
158	228	Casthouse Operation	100 % Volumetric Ultrasonic Inspection on 5182 Slabs Post-Casting	Nicolas Jacob	Aluminium Dunkerque
159	153	Casthouse Operation	Conservation of Energy in Al Cast House – Technology Advancement to Overcome Challenges	Praddyum Pavitrakar	Bechtel
160	318	Casthouse Operation	Batscan : The Coming of Age of a New Tool for Inclusion Detection in Liquid Aluminium	Pierre-Yves Menet	Constellium Technology Center
161	249	Casthouse Operation	Automatic Real-Time Chemical Composition Analysis (LP-LIBS) in Casthouse Operations	Kristjan Leosson	DTE
162	176	Casthouse Operation	Improvement in Sodium Reduction from Molten Metal	Rashid Alawadi	EGA
163	199	Casthouse Operation	Increased Casting Capacity of DC-5 Caster at EGA Jebel Ali	Afshin Lufti	EGA
164	209	Casthouse Operation	Vertical Direct Chilled Casting Facilities (VDC) Reliability Improvement at EGA	Sanjay Das	EGA
165	162	Casthouse Operation	Energy Efficiency and Clean Energy Usage in Aluminium Cast House Equipment	Lee Anthony Allen	Mechatherm International
166	289	Casthouse Operation	Casthouse Refractory Methods for Risk Control and Quality Assurance	Philippe Gauthier	Rio Tinto
167	290	Casthouse Operation	Aluminium Operation Centre (AOC): The Foundation Towards the Best Operator to Overcome the Industry Challenges and Ensure Competitiveness	Jean-Luc Allard	Rio Tinto
168	288	Casthouse Operation	Real-time Monitoring of Legionella in Casthouse Water Cooling Systems	Genevieve Doyer	Rio Tinto
169	292	Casthouse Operation	Advanced Data Analytic Tools to Identify the Root Cause of Filter Clogging during Casthouse Operation	Josée Colbert	Rio Tinto
170	278	Casthouse Operation	DC-Casting of AlMg6 Rolling Ingots	Martijn Vos	RUSAL
171	279	Casthouse Operation	ExtruForm Production of Wire Rod for Welding Wire	Martijn Vos	RUSAL
172	120	Casthouse Operation	Combined Quantitative Analysis of Salt Fluxes Composition by X-ray Diffraction and X-ray Fluorescence in Process Control	Oksana Bezrukova	Siberian Federal University
173	277	Casthouse Operation	Development of Electrical Wire Rod with Recycled Content at Trimet France	Nicolas Lignesche	TRIMET France