ICSOBA
The Aluminium Industry Forum

43rd Conference and Exhibition

Nanning, China

26 - 31 October 2025

Draft Program at a Glance (9 August 2025)

	LOCAL TIME (Day 2-4)										Sunday 26 October	Day 1 Monday 27 October					Day 2 Tuesday 28 October					Day 3 Wednesday 29 October					Day 4 Thursday 30 October					Day 5 October 31
	Brisbane	Perth	India	Dubai	Moscow	Athens	Beijing	London	Sao Paulo	Montreal New York		Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	
Start	10:30	8:30	6:00	4:30	3:30	2:30	8:30	0:30	21:30	20:30		Conference Introduction					BR01	CH01	AA09	AL09	AL56	BX09	CH09	AA21	AL21	AL68	BR16	EL17	AA33	AL33	AL80	
												Host Sponsor Presentation					BR02	CH02	AA10	AL10	AL57	BX10	CH10	AA22	AL22	AL69	BR17	EL18	AA34	AL34	AL81	
												Keynotes Session A					BR06	CH03	AA11	AL11	AL58	BX11	CH11	AA23	AL23	AL70	BR18	EL19	AA35	AL35	AL82	
End	12:10	10:10	7:40	6:10	5:10	4:10	10:10	2:10	23:10	22:10		(KN01, KN02 and KN03)					BR07	CH04	AA12	AL12	AL59	BX12	CH12	AA24	AL24	AL71	BR19	EL20	AA36	AL36	AL83	
Networking Break	12:10	10:10	7:40	6:10	5:10	4:10	10:10	2:10	23:10	22:10																						
	12:40	10:40	8:10	6:40	5:40	4:40	10:40	2:40	23:40	22:40																						
Start	12:40	10:40	8:10	6:40	5:40	4:40	10:40	2:40	23:40	22:40		Keynotes Session B					BR08	EL09	AA13	AL13	AL60	BX13	EL13	AA25	AL25	AL72	BR20	EL21	AA37	AL37	AL84	
												(KN04, KN05 and KN06)					BR09	EL10	AA14	AL14	AL61	BX14	EL14	AA26	AL26	AL73	BR21	EL22	AA38	AL38	AL85	
																	BR10	EL11	AA15	AL15	AL62	BX15	EL15	AA27	AL27	AL74	BR22	EL23	AA39	AL39	AL86	
End	14:20	12:20	9:50	8:20	7:20	6:20	12:20	4:20	1:20	0:20		Participant Group Photo					BR11	EL12	AA16	AL16	AL63	BX16	EL16	AA28	AL28	AL75	BX17	EL24	AA40	AL40	AL87	
Lunch Break	14:20	12:20	9:50	8:20	7:20	6:20	12:20	4:20	1:20	0:20																						
	15:20	13:20	10:50	9:20	8:20	7:20	13:20	5:20	2:20	1:20																						Technical Field Trips
Start	15:20	13:20	10:50	9:20	8:20	7:20	13:20	5:20	2:20	1:20		BX01	EL01	AA01	AL01	AL48	Keynotes Session C					Best Papers Award Ceremony					BX18	AA49	AA41	AL41	AL88	
												BX02	EL02	AA02	AL02	AL49						Keynotes Session D					BX19	AA50	AA42	AL42	AL89	
												BX03	EL03	AA03	AL03	AL50	(KN07, KN08, KN09 and KN10)					(KN11, KN12 and KN13)					BX20	AA51	AA43	AL43	AL90	
End	17:00	15:00	12:30	11:00	10:00	9:00	15:00	7:00	4:00	3:00		BX04	EL04	AA04	AL04	AL51											BX21	AA52	AA44	AL44	AL91	
Networking Break	17:00	15:00	12:30	11:00	10:00	9:00	15:00	7:00	4:00	3:00																						
	17:30	15:30	13:00	11:30	10:30	9:30	15:30	7:30	4:30	3:30																						
Start	17:30	15:30	13:00	11:30	10:30	9:30	15:30	7:30	4:30	3:30		BX05	EL05	AA05	AL05	AL52	BR12	CH05	AA17	AL17	AL64	BR03	CH13	AA29	AL29	AL76			AA45	AL45	AL92	
												BX06	EL06	AA06	AL06	AL53	BR13	CH06	AA18	AL18	AL65	BR04	CH14	AA30	AL30	AL77			AA46	AL46	AL93	
												BX07	EL07	AA07	AL07	AL54	BR14	CH07	AA19	AL19	AL66	BR05	CH15	AA31	AL31	AL78			AA47	AL47	AL94	
End	19:10	17:10	14:40	13:10	12:10	11:10	17:10	9:10	6:10	5:10		BX08	EL08	AA08	AL08	AL55	BR15	CH08	AA20	AL20	AL67		CH16	AA32	AL32	AL79			AA48		AL95	
Break	19:10	17:10	14:40	13:10	12:10	11:10	17:10	9:10	6:10	5:10																						
	19:30	17:30	15:00	13:30	12:30	11:30	17:30	9:30	6:30	5:30																						
Start	19:30	17:30	15:00	13:30	12:30	11:30	17:30	9:30	6:30	5:30							Annual General Meeting										Women in Aluminium					
End	20:30	18:30	16:00	14:30	13:30	12:30	18:30	10:30	7:30	6:30																						
											19:30 ICSOBA welcome cocktail	19:30 ICSOBA Gala Dinner Sponsor's and Exhibitor's acknownledgment					19:30 Event (registered participants only)					19:30 Event (registered participants only)					19:30 No event					

Provisional list of papers is displayed at next pages.

KEYNOTES			
#	Presenter	Title	Organizations
KN01	Kang Yi 康义	Development Achievements and Future Outlook of China's Aluminium Industry	China Nonferrous Metals Industry Corporation, Beijing, China
KN02	Liu Wanchao 刘万超	Technological Goals and Progress for High-Quality Development of China's Aluminium Industry	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
KN03	Li Jie 李劼	Development and Application of Key Technologies for Energy-saving, Low-carbon, and Digital-intelligent Aluminium Electrolysis	Central South University, Changsha, China
KN04	Ron Knapp	China Hongqiao Group – A Journey of Sustainability, Advanced Technology, Research and Development and Innovation	China Hongqiao group, Hong Kong, China
KN05	Zhang Huaitao 张怀涛	Practice and Innovation of Green, Low-Carbon, and High-Quality Development Driven by Circular Economy	Xinfa Group, Chiping City, CHina
KN06	Jiang Bing 姜冰	From Regional Mismatch to Coordinated Optimization: Interpreting the Development of China's Anode Industry in 2024	Sunstone Development, Beijing, China
KN07	Miles Prosser	Global Cooperation on Key Challenges for the Aluminium Industry	International Aluminium Institute, London, United Kingdom
KN08	Dong Chunming 董春明	Building a Responsible and Sustainable Aluminium Value Chain: The Role and Progress of Aluminium Stewardship Initiative (ASI)	Sunlight Metal Consulting, Beijing, China
KN09	Sebastien Fortin[1] and Lance Mayers[2]	The International Aluminium Institute's Bauxite and Alumina Committee: a Blueprint for Industry Collaboration	1: Rio Tinto Aluminium, R&D Bauxite and Alumina, Saguenay, Canada; 2: Alcoa, Operational Excellence COE, Perth, Australia
KN10	Michael Ren 任晓鸥	Bridging Markets - Strategies for Western and Chinese Aluminium Technology Suppliers	Sunlightmetal Consulting, Toronto, Canada
KN11	Yungang Ban 班允刚	Technical and Economic Advantages and Application Progress of NEUI600 High-amperage Aluminum Reduction Cell	Northeastern University Engineering & Research Institute (NEUI), Shenyang, China
KN12	Cao Yang 曹阳	Global Alumina and Aluminium Market Review and Outlook	Fastmarkets, Shanghai, China
KN13	Sameer Nayak	Journey of Hindalco, Renukoot – An Integrated Aluminium Producer in India	HIndalco Industries Renukoot Works, Sonebhadra, India

BAUXITE			
#	Presenter	Title	Organizations
BX01	Liu Zhongyuan 刘中凯	Development of Activator Technology for Flotation Desulfurization of High-Sulfur Bauxite	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BX02	Guo Xin 郭鑫	Progress on Quality Improvement Technology of Low Quality Complex Bauxite	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BX03	Chen Youxuan	Computational Study on the Effect of Particle Shape on Particle-Bubble Interactions Using Discrete Element Method	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BX04	Allan Suhett Reis	Increase in Metallurgical Recovery of Alumina on Bauxite Beneficiation with Small-Diameter Hydrocyclones	Hydro Bauxite & Alumina, Paragominas, Brazil
BX05	John Clark	Thermal Denaturing and Study of Bauxite Organics	Rio Tinto Aluminium Pacific Operations, Brisbane, Australia
BX06	Liu Zhanwei 刘战伟	Ultrasonically Enhanced Pre-leaching for the Removal of Organics from Bauxite and Recovery through Wet Oxidation	Faculty of Metallurgical and Energy Engineering, Kunming University of Science and Technology, Kunming, China
BX07	Yang Huibin 杨会宾	Pretreatment Technology of Gibbsite-Type Bauxite With High Organic Matter Content	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BX08	Zhang Yanfang 张艳芳	Online Detection Method for Bauxite Composition	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BX09	Aurélien Bonneau	Enhancing Wet Bauxite Processing through Innovative Handling Aid Solutions	SNF, Andrézieux-Bouthéon, France
BX10	Sheida Makvandi	High-Throughput Bauxite Characterization and Process Monitoring via Automated QXRD, Cluster Analysis and PLSR Modeling	Malvern Panalytical, Almelo, The Netherlands
BX11	Petra Mühlen	Process Control In A Refinery Based On NIR Real Time Analysis Of Bauxite or Coal	SpectraFlow Analytics, Spreitenbach, Switzerland
BX12	Fábio Pereira	Decarbonization Applying Micro-Fragmentation in Bauxite Mining From Hydro Paragominas, Brazil	Hydro Bauxite & Alumina, Paragominas, Brazil
BX13	Pedro Costa	Process Optimization Using Software Sensor, New Control Strategy and Artificial Intelligence	Hydro Bauxie & Alumina, Belem, Brazil

BX14	Jefferson Klister	Data-Driven Analytics and Machine Learning to Optimize MRO Inventory in the Bauxite-Aluminium Supply Chain	Hydro Bauxie & Alumina, Belem, Brazil
BX15	Raissa Branco	Yard Machine Automation – Hydro Paragominas Autonomous Yard	Hydro Bauxite & Alumina, Paragominas, Brazil
BX16	Thais Lourenço	Technical Solution for Beneficiation Plant Operational Continuity during Tailings Thicknener Overhaul	Hydro Bauxite & Alumina, Paragominas, Brazil
BX17	Rita Anne Andrade	Big Data Management and Digital Twin Utilisation to Optimize Critical Components in a Slurry Pipeline Pumping	Hydro Bauxite & Alumina, Paragominas, Brazil
BX18	Israel Oliveira Rocha	Automated Governance: An Integrated Microsoft Application for Enhanced Management Processes	Hydro Bauxite & Alumina, Paragominas, Brazil
BX19	Thomas Baumann	Sustainable Upgrading of Bauxite and Valorization of Bauxite Tailings	AKWApparate+Verfahren, Hirschau, Germany
BX20	Jonilton Paschoal	Transforming Organic Waste into Forests	Hydro Bauxite & Alumina, Paragominas, Brazil
BX21	Jonilton Paschoal	High-precision Rehabilitation: Maximizing Impact and Minimizing Costs	Hydro Bauxite & Alumina, Paragominas, Brazil
ALUMINA			
#	Presenter	Title	Organizations
AA01	Pei Benyan	Modern Efficient Alumina Refinery Digestion Design	Worley, Brisbane, Australia
AA02	Zhang Baiyong 张佰永	The Borneo Alumina Indonesia Project(BAI) is Succeed to production	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA03	Zhang Xin 张新	Analysis of the Differences between Chinese and American Standards and their Impacts in the Structural Design of the BAI Alumina Project in Indonesia	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA04	Hu Yanzhuo 胡雁焯	Vibration Analysis of the Support Structure of the Raw Material Banana Sieve	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA05	Yong Chun 永春	Application of Concrete Filled Steel Tube Column Structural System in Calcination Furnaces	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA06	Qi Lijuan 齐利娟	Current Status and Trends of Alumina Production Technology Development	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China

AA07	Meng Lingli 孟令利	Hydrogen Bonding Adsorption Principle in Caustic Solution of Aluminum Hydroxide	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AA08	Vinod Kumar Verma	Analysis of Bauxite Fractions and Synthesis of Stable Sodium Silicate Solution	National Aluminium Company, Bhubaneswar, India
AA09	Danai Marinos	Alumina Recovery From Sodium Aluminate Solutions Via Carbonation	Technologies for Sustainable Metallurgy, Laboratory of Metallurgy, NTUA, Athens, Greece
AA10	Zhang Ting-an 张廷安	A New Calcification Transformation Method for Clean Production of Alumina	Northeastern Univesity, College of Metallurgy, Shenyang, China
AA11	Shi Yafei 石亚飞	Main Factors Affecting The Stability Of Liquor Causticization Indexes In Aluminum Production	Chalco (Zhengzhou), China
AA12	Liu Jilong 刘吉龙	Crystallization and Separation of Potassium-containing Complex Salts in Sodium Aluminate Solution	Northeastern Univesity, College of Metallurgy, Shenyang, China
AA13	Kang Shaojie 康少杰	Dissolution Laws of Alumina and Organic Carbon in High-Organic Bauxite	China Aluminum Zhengzhou Research Institute, China
AA14	Liu Yongyi 刘永轶	Industrial Application of Sodium Nitrate Oxidation Treatment Technology for High-Sulfur Bauxite	Zunyi Aluminum, China
AA15	Suchita Rai	An Alternative Approach for Non-Metallurgical Grade Aluminium Hydroxide Production from Low-grade Bauxite	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur, India
AA16	Aurélien Bonneau	Flocculant-Assisted Vanadium Removal: Enhancing Purity and Economic Recovery	SNF, Andrézieux-Bouthéon, France
AA17	Adriano Reis Lucheta	Determination of Gallium in Bayer Spent Liquor by Voltammetry (ASV)	SENAI Innovation Institute for Mineral Technologies, Belem, Brazil
AA18	Wang Lanqi	Automated Multi-component Detection Methods for Sodium Aluminate Solution	China Aluminum Great Wall Detection Technology, Zhengzhou, China
AA19	Andrey Panov	Bauxite Mill Charge Control Based on Vibration Signal and Computer Vision	RUSAL Engineering and Technology Center, Saint Petersburg, Russia
AA20	Mohammed Abdul Kareem Miharaj	Washer Overflow Liquor Chemistry Prediction by Using Mud Level Instrumentation	Saudi Arabian Mining Company (Maaden), Ras Al Khair, Saudi Arabia
AA21	Scott Barham	Nalco Water's ScaleGuard Treatment and “SCRAMO” Realtime Scaling Rate Measurement in Settlers and Washers	Nalco Water An Ecolab Company, Wembley Downs, Australia
AA22	Yin Deming 尹德明	Improving the Alkali Recovery Efficiency of Red Mud Sedimentation System	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China

AA23	Alpha Barry	Development of Mud Rheology Modifiers	Syensqo, Canada
AA24	Luc Parent	A New Fabric Material with Anti-Scaling Properties for Security Filtration in Bayer Process	Sefar, Saguenay, Canada
AA25	Santanu Dey	Innovations in Process Water Treatment for Enhanced Reuse in Alumina Refining	Hindalco Industries, India
AA26	Mireille Wonoredjo	Laboratory Methodologies for Assessing Bauxite Processability: Case Study of Al Taweelah Alumina Refinery	EGA, Abu Dhabi, United Arab Emirates
AA27	Feng Yuqing 冯昱清	Understanding Precipitator Performance Via CFD Modelling	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA28	Chou Ying 仇颖	Performance Improvement of Wide-channel Welded Plate Heat Exchanger for Bayer Precipitation Process	Shanghai Banhuan Mechanical Equipment, China
AA29	Ahmad Yahia Hommadi	Strategy for Operating a Singular Agglomeration Tank Improving Product Size Control and Yield	Saudi Arabian Mining Company (Maaden), Ras Al Khair, Saudi Arabia
AA30	Rob Clegg	Overcoming Caustic-Free Cleaning Challenges with MVR Evaporator-Crystalliser at ALTEO Gardanne Refinery	Sahl Regen, Dakar, Senegal
AA31	Li Jiahuan	A Novel HGD–CFD Framework for Efficient Simulation of Granular Flow Dynamics	The University of Sydney, Australia
AA32	Ni Yang 倪阳	Driving Forces and Pathways for China's Alumina Quality Upgrade	Chalieco Guizhou Branch, China
AA33	Lu siming 卢思名	Zinc Removal in Bayer Process Alumina Production: Current Status and Optimization Suggestions	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AA34	Michael Anshan Ren	Optimizing Electrical Precipitators with Multiclone Technology for Particulate Emission Control in Alumina Calcination	Sunlightmetal Consulting, Toronto, Canada
AA35	Duan Long 段龙	Machine Learning and Time Series Data Used in the Prediction and Regulation Model of Aluminum Hydroxide Particle Size Distribution	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AA36	Han Dongzhan 韩东战	Effect of Lithium on the Seed Precipitation Process	Zhengzhou Zhengzhou, Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AA37	Eleni Mikeli	Enhancing the Sustainability of Alumina Refineries: Exergy Insights from Process Simulation	National Technical University of Athens, Greece

AA38	Ameet Chaure	Enhancing Evaporator Economy: A Key Strategy for Sustainability And Decarbonization	Hindalco Industries, Renukoot, India
AA39	Luo Zhenyong 罗振勇	Comparative Analysis of Final-Effect Secondary Steam Cooling Methods in Evaporation Stations of Alumina Plants	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AA40	Woei Lean Saw	Technical Assessment of Efficient Steam Recovery from Alumina Calcination for Sustainable Bauxite Digestion	University of Adelaide, Australia
AA41	Ju Lirang	New Energy-saving Technologies in the Evaporation Section of Production of Alumina	Henan JYC Chemical Equipment, Zhengzhou, China
AA42	Pungkuntran Jaganathan	Embracing Net Zero A Step Towards A Sustainable Future	FLSMIDTH, Chennai, India
AA43	Cao Wanqiu 曹万秋	Key Technologies for Energy Consumption Reduction of Aluminum Hydroxide Calciner	Shenyang Aluminum and Magnesium Engineering and Research Institute, Shenyang, China
AA44	Saif Marwan Bin Rahal	Optimising Alumina Production Through Advanced Process Monitoring and Alert Systems	Emirates Global Aluminium (EGA), United Arab Emirates
AA45	Du Yingkui 杜颖魁	Innovation and Application of Internet of Things + AI in the Logistics Measurement System of Alumina Production	Chalco Zhengzhou Aluminium Co., China
AA46	Danai Marinos	High-purity Alumina Production Prospect from Alternative Raw Materials	Technologies for Sustainable Metallurgy, Laboratory of Metallurgy, NTUA Athens, Greece
AA47	Ashish Rathore	Application of Specialty Chemicals during Precipitation for Production of High Quality Alumina Hydrate with Higher Productivity	Kimberlite Chemicals India, Bengaluru, India
AA48	Zhang Shuo 张烁	Process Optimization and Industrial Application of High-Purity Alumina Preparation Based on Electrolysis	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AA49	Kaushal Gupta	Maximizing Processing of Low-Grade Bauxite to Fulfil the Specialty Alumina Demand	Hindalco Industries, India
AA50	Dmitrii Valeev	An H_3O-Alunite Method for Production of Smelter Grade Alumina from High-Pressure Acid Leaching of Coal Fly Ash	Tongji University, College of Environmental Science and Engineering, Shanghai, China
AA51	Cui Wei 崔维	Analysis on the Main Technologies for the Utilization of High-Alumina Fly Ash	Guiyang Aluminium and Magnesium Research Institute, Guyang, China
AA52	Kong Xiangmeng	Value-added Alumina Product from Low-grade Feedstock: from Concept to Test Work and Beyond	Hatch, Mississauga, Canada

BAUXITE RESIDUE			
#	Presenter	Title	Organizations
BR01	Ab Rijkeboer	Bauxite Residue CO_2 Mineral Sequestration Assessment	Rinalco, Wassenaar, The Netherlands
BR02	Zhang Yuguan	Mineral Evolution and Elemental Migration During Reductive Bayer Digestion of Guinea Bauxite	Central South University, Changsha, China
BR03	Andrey Knyazev	Processing of Pond Liquor from Alumina Process	RUSAL Engineering and Technology Center, Saint Petersburg, Russia
BR04	Malal Mamadou Diallo	Effect of Magnetite Containing BR on High-Pressure Alkaline Leaching of Boehmitic Bauxite	Ural Federal University, Yekaterinburg, Russia
BR05	Reginaldo Álvares	Dredging of Basins for Geobags - An Innovative Solution for Sediment Management	Hydro Bauxite & Alumina, Belem, Brazil
BR06	Benyan Pei	Opportunities and Challenges of Bauxite Residue Valorisation	Worley, Brisbane, Australia
BR07	Pouya Hajiani	Waste to Value – Sustainable Valorization of Bauxite Residue	Geomega/INNORD, Carignan, Canada
BR08	Zhao Dongliang 赵东亮	High-efficiency Recovery of Alumina from Red Mud from Guinea Bauxite	Chalco Zhengzhou Aluminium, China
BR09	Zhang Jianqiang 张建强	Suspension Magnetization Roasting with Low-Intensity Magnetic Separation Process	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
BR10	Chao Tang	Thermodynamics and Kinetics of Leaching High Alkali Red Mud with Dilute Sulfuric Acid	Central South University, Changsha, China
BR11	Xin He	Calcification Transformation Process of High-Iron Red Mud for Sustainable Alumina Production	Northeastern University, Shenyang, China
BR12	Qi Yafei	Bauxite Residue Alkali-magnetization Reduction Roasting Process	Northeastern University, Shenyang, China
BR13	Liu Xiaoming 刘晓明	Research and Application of Co-utilization of Bauxite Residue and Other Solid Wastes for Materialization	University of Science and Technology, Beijing, China
BR14	Ma Yue 马 越	High-Intensity Magnetic Separation of Bauxite Residue for Iron Recovery	Shenyang Longi Electromagnetic Technology, China
BR15	Alexander Suss	Technology to Produce Scandium Oxide from Sinter Red Mud	RUSAL Engineering and Technology Center, Saint Petersburg, Russia

BR16	Roberto Cesar Romano	3D-Printing Concrete with Bauxite Residue	University of São Paulo, Brazil
BR17	Luana Maria da Silveira	Strategies for Fixation of Leachable BR Ions, for Use in SCM Production	University of São Paulo, Brazil
BR18	Efthymios Balomenos	Pilot Scale Zero-Waste BR Smelting For Iron and SCM production	METLEN, Energy & Metals, Ag. Nikolaos, Greece
BR19	Adriano Reis Lucheta	BR Soil Conditioner Demonstration Plant	SENAI Innovation Institute for Mineral Technologies, Belem, Brazil
BR20	Vaishali Surawar	Sustainable Utilization of BR in Road Construction:Pilot testing	Hindalco Industries, Mumbai, India
BR21	Li Qingdong	Preparation of Mineral Silica-Potash Fertilizer from Calcified-Potash Alkaline Treated Red Mud	Northeastern University, Shenyang, China
BR22	Vaishali Surawar	Development of Polymer Composite from Bauxite Residue and Plastic Waste	Hindalco Industries, Mumbai, India
ELECTRODES			
#	Presenter	Title	Organizations
EL01	Li Jing 李静	Corrosion Resistance Study of $NiFe_2O_4$-$NiCr_2O_4$ Composite Ceramic-Based Inert Anode	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL02	Su Ziwei 苏自伟	Production of Prebaked Anodes Using Coal-Containing Co-Coking Coke	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL03	Zhang Jiguang 张继光	Modified Resin for Aluminum Carbon Anode Preparation	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL04	Simon Laliberté-Riverin	A Study of Volatiles Emitted During Bio-Oil Upgrading to Bio-Pitch	Laval University / Aluminium Research Center, REGAL, Canada
EL05	Zhong Qifan 仲奇凡	Microstructural Representation and Transformation of Petroleum Coke via Self-Developed HRTEM Analytic	School of Metallurgy and Environment, Central South University, Changsha, China
EL06	Liu Qiaoyun 刘巧云	Prediction of Calcined Coke Powder Resistivity Based on XGBoost	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL07	Zhang Hang 张航	Multi-Stage Particle Size Crushing and Storage-Transportation System for Spent Anodes	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
EL08	Nitin Yadav	Baked Anode Density Improvement with Rotary Coke - A Success Story of Alba	ALBA, Bahrain

EL09	Fabien Gaudière	An Optimized Mixing Approach for Improved Anode Quality	Fives Solios, France
EL10	Christophe Bouché	XINFA Twin 60 tph Rhodax Green Anode Plant -5 Years Later	Fives Solios, France
EL11	Behrad Asgari	Modelling of the Preheating Section in Anode Baking Furnaces -A CFD Approach and a Mass-Energy Conservation	Department of Mechanical and Industrial Engineering, Université Laval, Québec City, Québec, Canada
EL12	Liu Chao 刘超	Induced Draft Forced Cooling Process for Anode Baking Furnace	Shenyang Aluminum and Magnesium Engineering and Research Institute (SAMI), Shenyang, China
EL13	Yuan Congcong 袁聪聪	Collaborative Treatment Technology for Multiple Pollutants in Carbon Flue Gas	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL14	Sun Lizhen 孙丽贞	Carbon Roasting Furnaces for Aluminum: Technological Transformation and Application	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL15	Luo Yingtao 罗英涛	Analysis and Application Research on Anode Quality in New-Type Carbon Roasting Furnaces	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL16	Suryakanta Nayak	Optimizing Baking Furnace Performance and Anode Quality at Hindalco Renukoot Smelter	Hindalco Industries Ltd., Renukoot Works, Sonebhadra, India
EL17	Girish Choudhari	Cost-Effective Transition to Larger Anodes - From Concept to Implementation	Hindalco Mahan, India
EL18	Tushar Thorat	Optimizing Stub-to-Carbon Contact for Higher Amperage in Aluminium Smelting -A Computational Study	Aditya Birla Science and Technology Company, India
EL19	Mohammad AlShaibani	Operational Excellence in Rodding Plant -A Path to Control Sodium in Anode Butts	Emirates Global Aluminium, United Arab Emirates
EL20	Wei Qing 魏青	Development and Application of an Online Quality Inspection System for Prebaked Anodes	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
EL21	Elahe Khani	Sodium Sulfate Reactivity Test of Carbon Anodes in Aluminum Production	Laval University, Canada
EL22	Kou Fan 寇帆	Current Status of Standards for Testing Methods of Aluminum Carbon Materials in China	CHALCO Testing Technology (Zhengzhou), China
EL23	Ren Xiangting	Industrial Trials of Super Conductive Cathode Collector Bar Pastes at Yunnan Aluminium Smelter	Elkem Carbon, China
EL24	Liu Tong 刘彤	Electrical Conductivity of Graphitized Cathode Carbon Block Based on Eddy Current Technology	China Aluminum Zhengzhou Nonferrous Metals Research Institute Co., Ltd.

ALUMINIUM ELECTROLYSIS			
#	Presenter	Title	Organizations
AL01	Yuan Shaoyong 阮绍勇	Technology Development and Application for Energy-saving and Environmental Upgrades in Chinese Smelters under New Policies	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL02	Shi Yong 石勇	Development of Ultra-Low Energy Consumption Technology in 500 kA Cells	Guangxi Hualei New Materials, China
AL03	Wang Huaijiang 王怀江	Analysis of New Energy-Saving Technology 2.0 Applied to Different Cathode Materials and Cell Types	Zhengzhou Nonferrous Metals Research Institute Ltd of Chinalco, Zhengzhou, China
AL04	Patrice Desrosiers	The Laterrière Smelter Experience During Low Amperage Operation Due To Rectifier Problems	Rio Tinto, Canada
AL05	Albert Mulder	Mitigating the Impact of Varying Alumina Sources on the Smelting Process	ALCOA
AL06	Gratha Adhitya Putra	Implementation of SY-235 Technology for Upgrading One Potline to 235 kA at INALUM	PT INALUM, Indonesia
AL07	Pratap Sahu	Pot Turnaround Time Reduction at Hirakud Aluminium to Enhance Productivity	Hindalco Industries Limited, India
AL08	E Yishuai 鄂以帅	Application of AGV Technology in Anode Transportation	Zhengzhou Nonferrous Metals Research Institute Ltd of Chinalco, Zhengzhou, China
AL09	Nicholas B Depree	Smelter Power Modulation Needs in China and Application on High Amperage Reduction Cells	EnPot, New Zealand
AL10	Hassan Almohri	Alba Reduction Line 1 Outage And Recovery	ALBA, Bahrain
AL11	Tang Wei 汤伟	Upgrading and Application of Cathode Energy-Saving Technology for 500 kA Aluminum Reduction Cells	Shenyang Aluminum and Magnesium Engineering and Research Institute (SAMI), Shenyang, China
AL12	Ban Yungang	Application of RuC Technology in 600kA Aluminum Reduction Cells	Shandong Hongtuo Industrial, China
AL13	Anish Das	Real-Time Cathode Voltage Drop Analytics in Aditya Potline	Aditya Aluminium,Hindalco Industries Limited, Aditya, India
AL14	Wang Huiyao 王慧瑶	A Brief Historical Analysis of Heat Loss in Aluminium Reduction Cells in China	Chalco Zhengzhou Nonferrous Metals Research Institute Co., Ltd. China
AL15	Huang Yongquan 黄永权	500 kA Aluminum Electrolytic Cell Coke Preheating Technology Optimization	Guangxi Hualei New Materials Co., Ltd., China

AL16	Satheesh Mani	Wireless and Automated Preheat Monitoring of Aluminium Reduction Cell	Emirates Global Aluminium, United Arab Emirates
AL17	Hu Qianwei 胡黔伟	Stability of 500 kA Cells with Fully Graphitized Cathodes and Copper Insert Collector Bars During Early Operation	Guangxi Hualei New Materials Co., Ltd., China
AL18	Agnello Borim	Optimizing Aluminium Reduction Cell Start-up - A Semi-Conventional Approach at Sohar Aluminium	Sohar Aluminium, Oman
AL19	Thomas Walterhouse	Management of HDPS Siphon System in AP40 Kitimat Smelter - Roadmap of Challenges and Process Optimization	Rio Tinto Aluminium BC Works, Kitimat, Canada
AL20	Liu Zongbing 刘总兵	Study on the Unloading and Transportation Systems of Fresh Alumina in Large-Scale Electrolytic Aluminum Projects	Northeaster University Research and Design Institute (NEUI
AL21	Zhao Xin 赵鑫	A Multi-level Particle Size Electrolyte Intelligent Storage and Transportation System	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL22	Wei Qing 魏青	IoT-Based Safety Monitoring and Display System for Aluminium Electrolysis Cell Bypass Shunts	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL23	Gaurav Verma	High Purity Aluminium Production at Mahan and Aditya Smelters	Mahan Aluminum, Hindalco Industries Limited, Singrauli, India
AL24	Su Peng 苏鹏	Study and Judgement on the Technological Dilemma and Trend of Three-Layer Liquid Electrolysis of Refined Aluminum	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL25	Lucas Severyn Oldfield	Industrializing Technology Solutions for Aluminum Reduction Lines	Rio Tinto, Australia
AL26	Iliya Puzanov	Energy Consumption Evaluation: Different Practices and Possible Approaches to Their Harmonization	RUSAL Engineering and Technology Center, Krasnoyarsk, Russia
AL27	Li Yingwu 李应武	Industrial Practice of Special Welding Technology for Aluminum Electrolysis Cells	Zhengzhou Jingwei Technology Industry, China
AL28	Yang Xingyu 杨幸雨	Development and Application of Cathode Energy-saving and Voltage-reducing Aluminum-steel Full-section Direct Welding System	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL29	Pan Yanzhi	Busbar Welding Repair Method Between Two Cells Using Busbar Bypass in Aluminum Reduction Potline	Inner Mongolia Huimei Hongjun Aluminium and Power, Huolingo, China

AL30	Wang Boyi	Application Research of Nano-Ceramic-Based Anti-Oxidation Technology for Anodes and Stubs in Aluminum Electrolysis Cells	Hunan Bable Material Technology, China
AL31	Li Dongsheng 李冬生	Study on Oxidation Resistance Technology for Aluminium Electrolysis Anode Stubs	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL32	Pan Junjiang 潘俊江	Experiment and Application of Energy-saving Steel Stubs in 500 kA Aluminum Electrolytic Cells	Guangxi Hualei New Materials, China
AL33	Tang Kun 唐堃	Analysis and Optimization of Anode Steel Stub Current Distribution	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL34	Pan Junjiang 潘俊江	Analysis and Application of Technology for Reducing Anode Gross Consumption in 500 kA Aluminum Electrolytic Cells	Guangxi Hualei New Materials, China
AL35	Zeng Zhenshuang 曾振双	Trial Production of Ultra-Low-Consumption Anode for Aluminum Electrolysis	Guangxi Hualei New Materials, China
AL36	Duan Long 段龙	Key Indicators of Predicting the Aluminium Reduction Cells Based on a Transformer Model Driven by Multi-Source Time Series Data	Zunyi Aluminum, China
AL37	Amit Kumar Vaishnaw	Enhancing Potline Productivity Through Implementation of In-House Automation Control System at Maaden Aluminium	Saudi Arabian Mining Company (Maaden), Ras Al Khair, Saudi Arabia
AL38	Jun Lei	Application and Prospects of Optical Fiber Measurement Technology for Current Distribution in Aluminium Electrolysis Cells	Beijing SIO Technology, Beijing, China
AL39	Li Chun 李纯	Demand-based Feeding Control for Different Zones in Aluminum Reduction Cell to Improve Uniformity of Alumina Concentration	North China University of Technology, Beijing, China
AL40	Yi Xiaobing 易小兵	Development Ideas of Intelligent Control Technology for Large Aluminum Reduction Cells	Retired
AL41	Victor Buzunov	RUSAL's Digital Tools for the Pro-Active Control of Cells and Potlines	RUSAL Engineering and Technology Center, Krasnoyarsk, Russia
AL42	Qin Yanjun	Intelligent Servo-Controlled Hydraulic System and Precise Aluminum Tapping System for Multifunctional Overhead Crane	Guangxi Hualei New Materials, China

AL43	Huang Chengming 黄承明	Design and Application of Intelligent Monitoring System for Aluminum Electrolysis Multifunctional Overhead Crane	Guangxi Hualei New Materials, China
AL44	Wu Dailiang 吴代梁	Analysis and Application of Highly Accurate Control of Bath Height in 500 kA Aluminum Electrolysis Cell	Guangxi Hualei New Materials, China
AL45	Zhang Fangfang 张芳芳	Study on the Determination of the Liquidus Temperature of Aluminum Electrolyte by Conductivity Method	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL46	Li Zhenbao 李振宝	Application of Intelligent Crust Breaker Cylinder in Aluminum Electrolysis Cells	Guangxi Hualei New Materials, China
AL47	Zulfiqar Ridho Baihaqi	Auto Retract Technology for Pneumatic Breakers and Feeders in INALUM Cells	PT INALUM, Indonesia
AL48	Wu Junfeng 伍峻锋	Application and Verification of Intelligent Inspection Robots in Aluminum Electrolysis	Guangxi Hualei New Materials, China
AL49	Yu Qiang 于强	Autonomous Intelligent Technology for Three Steel Temperatures in Cells Using Suspended-Rail Infrared Thermometry	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL50	Tian Pengfei 田鹏飞	Automatic Measurement Technology for Three Steel Temperatures in 500 kA Aluminum Electrolytic Cell	Guangxi Hualei New Materials, China
AL51	Joseph Ndjebayi	Analysis of Voltage Signatures and Acknowledgement of Categories of Anode Effects Onset Using Continuous Anode Current Monitoring System	Rio Tinto, Canada
AL52	Meng Yi 蒙毅	Research on Anode Effect Prediction and Pretreatment in the Industrial Aluminum Electrolysis Cell Based on Zone Anode Current	North China University of Technology, Beijing, China
AL53	Amarjeet Kherha	Reducing Perfluorocarbon Generation at Tomago Aluminium Company Through Improved Anode Effect Treatment	Rio Tinto Aluminium (RTA), Brisbane, Australia
AL54	Rupesh Pandey	AI-Driven Anode Effect Prediction in Hindalco Renukoot Smelter	Hindalco Industries, Renukoot, India
AL55	Hu Qianwei 胡黔伟	Production Practice of Reducing Anode Effect Frequency in Aluminum Electrolysis Cells	Guangxi Hualei New Materials, China

AL56	Cong Wang	Bubble Dynamics and Anode Effects in Aluminum Chloride Electrolysis: Experimental and Numerical Simulation	Northeastern University, China
AL57	Vanderlei Gusberti	An Equation for Bubble Induced Voltage Drop on Slotted and Non-Slotted Anodes	CAETE Engenharia, Brazil
AL58	Rahul Kumar Pandey	Impact of Lithium Fluoride on Fluoride Evolution from Electrolytic Cells in Ma'aden	Maaden Aluminium, Saudi Arabia
AL59	Song Peipie 宋培培	Research on Efficient Collection Method of Flue Gas from Aluminum Electrolysis Cell	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL60	Li Yulong 李俞龙	Exploration and Application of Sealing Technology on the Superstructure of 500kA Aluminum Electrolytic Cell	Guangxi Hualei New Materials, China
AL61	Zhang Jianjun 张建军	Enhancement Strategies for Waste Heat Recovery in Electrolytic Cell Flue Gas-Exergy and AI Analysis	Guangzhou Institute of Energy Conversion, CAS, China
AL62	Wu Caihai 吴才海	Analysis of Energy-saving Reconstruction Technology of Flue Gas Defluorination System for Aluminum Electrolysis	Guangxi Hualei New Materials, China
AL63	Liu Zongbing 刘总兵	Comparison and Discussion of Seawater Desulfurization and Calcium Desulfurization for Aluminum Electrolysis Flue Gas	Northeastern University Research and Engineering Institute (NEUI), Shenyang, China
AL64	Haitham al Lahouri	Gas Treatment Center: Smart Filter bags Cleaning with PLC-Based Automation at Sohar Aluminium	Sohar Aluminium, Oman
AL65	Abdulrahman Yousuf Flamarzi	Enhancement of Filter Bag Life in EGA GTC	EGA, United Arab Emirates
AL66	Jiao Qingguo 焦庆国	Current Status of Carbon Emissions in the Aluminium Electrolysis Industry and Analysis of Carbon Reduction Pathways	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL67	Jaijith Sreekantan	Multi-Period, Enterprise-Scale Optimisation Framework for Cost-Effective Decarbonisation of Aluminium Manufacturing	Emirates Global Aluminium, United Arab Emirates
AL68	Anupam Agnihotri	Decarbonisation Roadmap for a Sustainable and Competitive Indian Aluminium Industry	Jawaharlal Nehru Aluminium Research Development & Design Centre, India
AL69	Luo Kangsong 罗康松	Application of Dynamic Optimization and Carbon Efficiency Synergy Driven by QFD-TOC Model in Aluminum Electrolysis Low-Carbon Process	Guangxi Hualei New Materials, China

AL70	Liu Zhiyuan 刘志元	Exploration of Methods for Coupling and Integration of Green Electricity in Aluminum Smelters	Shenyang Aluminum and Magnesium Engineering and Research Institute (SAMI), Shenyang, China
AL71	Claro Diaz	Electricity Market-Driven Optimization of Aluminum Smelting Operations	Noda Technologies, Sweden
AL72	Anthony Kjar	Existing and Future Electrical Supply Challenges	Gibson Crest, Australia
AL73	Zhang Hongliang 张红亮	Physical Field Simulation of Aluminum Electrolysis Cells for Renewable Energy Utilization	Central South University, China
AL74	Liu Dan 刘丹	Study on Electrochemical Performance of Alloy Inert Anodes in Low-Temperature Aluminium Electrolytes	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL75	Yang Qibo 杨启波	Environmental and Safety Management Strategies in the Aluminum Electrolysis Industry	Guangxi Hualei, China
AL76	Li Yaorui 李耀瑞	Application of Intelligent Safety Technology for Aluminum Electrolysis	Guangxi Hualei New Materials,China
AL77	Vaishali Surawar	Sustainable Utilization of Spent Pot Lining (SPL) Non-Carbon Portion by Co-processing at Cement Industries	Hindalco Industries, Mumbai, India
AL78	Luo Lifen 罗丽芬	Study on the Recycling and Utilization of Used Dry Barrier Materials of Aluminum Electrolytic cell	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL79	Benjamin Johan Madsen	A Non-Hazardous PAH-Free Ramming Paste Binder Made from Wood	Borregaard, Norway
AL80	Samuel Senanu	Review of Lining Materials Degradation in Aluminium Electrolysis Cells.	Sintef, Norway
AL81	Egil Skybakmoen	Quality Evaluation of Self-Bonded SiC as Sidelining Materials in Aluminium Electrolysis Cells	Sintef, Norway
AL82	Eirik Hagen	Test of Powdery Bedding Materials for Use Underneath Cathode Blocks	Hydro Aluminium, Norway
AL83	Shaikha Fatima Almualla	Use of Barrier Material to Reduce Sodium Penetration to Sub-cathodic Lining of Electrolytic Cell	Emirates Global Aluminium, United Arab Emirates
AL84	Cao Guorong	Impacts of Cathode Current Density on Cathode Wear	Rio Tinto, Australia

AL85	He Song 何嵩	Upgrade and Application of Anti-Disturbance Busbar Technology in Full-Current Environments with Strong Magnetic Fields	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL86	Hu Hongwu 胡红武	Application of Networked Self-Balancing Busbar Technology（NSBT) for MHD Stability Improvement in Aluminum Reduction Cells	Guangxi Hualei New Materials, Pingguo, China
AL87	Zhao Zhibin 赵志彬	Comparative Analysis of KPIs and MHD Stability Between Pots with Graphitized and 50 % Graphitic Cathode	Shenyang Aluminum and Magnesium Engineering and Research Institute (SAMI), Shenyang, China
AL88	Louis Bugnion	MHD Stability of End Cells	KAN-NAK, Switzerland
AL89	Marc Dupuis	Comparison of the Calculation of the Magnetic Field and the Metal Pad Current Density from Different Models for a 330 kA Cell	GeniSim, Canada
AL90	Marc Dupuis	Analyzing the Dynamic Stabilization of Aluminum Electrolysis Cells	GeniSim, Canada
AL91	Yi Yang 杨溢	Data-Driven Design: A New Paradigm and Application Exploration for Aluminum Reduction Cell Design	Guiyang Aluminium and Magnesium Research Institute (GAMI), Guyang, China
AL92	Mehran Shahin	A New 3D Transient Thermoelectric Modelling Approach for an Aluminium Electrolysis Cell Considering Bath Chemistry Variations	Université de Sherbrooke, Canada
AL93	Meriem Aloui	Transient 1D Electrical Modeling of Hall-Héroult Electrolysis Cells	Department of Mechanical Engineering, Université Laval, Québec City, Québec, Canada
AL94	Ji Xin 纪欣	An Optimization Method for Network Communication in Aluminium Smelter Reduction Shops	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
AL95	Li Yan 李琰	Network Security Technology of Aluminum Electrolysis Smart Factory Based on AI Model	Zhengzhou Nonferrous Metals Research Institute of Chalco (ZRI), Zhengzhou, China
CASTHOUSE			
#	Presenter	Title	Organizations
CH01	Wei Wen 韦文	Development and Application of Automatic Flow Control and Emergency Devices for Aluminum Ingot Casting	Guangxi Hualei New Materials, China
CH02	Josée Colbert	Real-Time Control of Thermal Balance based on Ingot Surface Temperature Measurements in Aluminium DC Casting for Enhanced Ingot Quality	RioTinto, Canada

CH03	Mo Shen 莫琛	Analyzing Risk Factor Identification for DC Casting Pits and the Current Situation of Domestic Safety Management in China	Shenyang Aluminum and Magnesium Engineering and Research Institute (SAMI), Shenyang, China
CH04	Alex Lowery	Why Do Some Casthouses Have Catastrophic Explosions While Others Do Not?	Wise Chem LLC, United States of America
CH05	Upendra Singh	Recovery of Flux Salts from Black Aluminium Dross	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur, India.
CH06	Martijn Vos	Application of Plasma Technologies in Aluminium Remelting	RUSAL, Moscow, Russia
CH07	Gaston Riverin	Innovative Applications and Technological Breakthroughs of 60-Tonne Double-Chamber Furnace in Aluminium Recycling Industry	Rio Tinto, Canada
CH08	Kristjan Leoson	On-line Chemical Analysis in an Aluminium Recycling Plant using LIBS technology and Automation	DTE, Iceland
CH09	Martijn Vos	Use of AI in Automated Billet Quality Assessment	RUSAL, Moscow, Russia
CH10	Jaijith Sreekantan	Physics Aware Multi-Agent AI Framework for Property Prediction and Design of Aluminium Alloys	Emirates Global Aluminium, United Arab Emirates
CH11	Khuram Pervez	Accelerating Advanced Aluminium Alloy Design via Ontology-Driven Semantic Modelling and Large Language Models	Emirates Global Aluminium, United Arab Emirates
CH12	Nilay Shah	Process Efficiency Improvement and Digitalisation of Billet Saw and Ingot Caster at EGA	Emirates Global Aluminium, United Arab Emirates
CH13	Adwaith Gupta	Predicting Keyholes in Additively Manufactured Aluminium Using a Multiphase Physics Model of AM PravaH®	Paanduv Applications Private Limited, India
CH14	Adwaith Gupta	A Compressible Multiphase Volume Of Fluid Model For Aluminium Powder Production Using Inert Gas Atomization	Paanduv Applications Private Limited, India
CH15	Satya Prakash Mohapatra	Quantitative Microstructural Analysis of Direct Chill Casting of Aluminium Alloy by Use of Qemscan	National Aluminium Company, India
CH16	Kola Immanuel Raju	Development of a Medium-Strength Al-Mg-Si Alloy with Optimised Zirconium Addition	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur, India.