

**INTERNATIONAL BAUXITE, ALUMINA &
ALUMINIUM SOCIETY (IBAAS)**

&

INDIAN INSTITUTE OF METALS (IIM)

Presents

*12th International Bauxite, Alumina and Aluminium
Conference and Exhibition*

On

ALUMINIUM INDUSTRY- VISION 2030

TECHNICAL PROGRAM

***BIRLA INSTITUTE OF TECHNOLOGY AND
SCIENCE, PILANI***

K.K BIRLA GOA CAMPUS, GOA

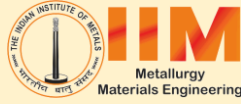
SEPTEMBER 25-27, 2024

PROGRAM AT GLANCE

24th September 2024	
Time	Registration at KK Birla Campus
15.00-18.00	
25th September 2024	
07.30-9.00	Registration & Welcome
9.00-10.30	Inaugural Function & Exhibition
11.00-15.30	Keynote Addresses
15.30-18.00	Sponsors Presentations
26th September 2024	
9.00-18.00	Technical Sessions
	• Decarbonization and Sustainability
	• Aluminium Industry 4.0
	• Aluminium Marketing
27th September 2024	
9.00-17.30	Three Parallel Sessions
	• Bauxite-Alumina & Bauxite Residue
	• Aluminium Smelting
	• Aluminium Downstream
18.00-18.30	Concluding Session and Prize Distribution for Best Papers/ Presentation
28th September 2024	
8.00-15.00	Post Conference Visit to Belagavi Alumina plant

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DAY-1 (25-09-2024)

AUDITORIUM

Time (Hour)	Title
07.30-9.00	Registration & Welcome
9.00-10.30	Inaugural Function & Exhibition
10.30-11.00	High Tea
KEYNOTE ADDRESSES	
11.00-11.30	Keynote Address-1 <i>Decarbonization of Alumina Calcination: Current Status and Path Forward</i> Dr. Edgar Gasafi, Head of Calcination and Alumina Refinery, Outotec GmbH & Co. KG, Germany
11.30-12.00	Keynote Address-2 <i>Startup Empowerment: Ministry of Mines Driving Research & Innovation</i> Dr. Anupam. Agnihotri, Director, JNARDDC
12.00-12.30	Keynote Address-3, <i>Decarbonization in Aluminium industry – Challenges and Opportunities</i> Mr. S. Kananand, President & Head Mfg CoE, Hindalco Industries Limited
12.30-13.00	Keynote Address-4 <i>Aluminium Alloys for Space Applications- Indigenisation efforts and challenges ahead</i> Mr. Rajiv Panda, Dy. General Manager, Vikram Sarabhai Space Centre, ISRO
13.00-13.30	Keynote Address-5
13.30-14.30	Networking Lunch
14.30-15.00	Keynote Address-6
15.00-15.30	Keynote Address-7
15.30-16.00	Tea/Coffee Break
16.00-16.25	Presentation-1 Tokai Cobex
16.25-16.50	Presentation-2 SNF India
16.50-17.15	Presentation-3 FLSmidth
17.15-17.30	Presentation-4 Metso
17.30-17.45	Presentation-5 NALCO Water
17.45-17.50	Presentation-6 AKW
18.00	Networking Session
19.00-21.00	Dinner

DAY-2 (26-09-2024)

AUDITORIUM

TS-1 SUSTAINABILITY & DECARBONIZATION, ALUMINIUM INDUSTRY 4.0, ALUMINIUM MARKETING		
Time (Hour)	Speaker	Title
<i>9.00-9.05</i>	<i>Chairman- Dr. Amit Chatterjee</i>	<i>Introduction of Sustainability and Decarbonization Session</i>
9.05-9.20	Mr. Errol Jaeger, JAELEM Engineers, USA	Is Sustainability a Myth Without Energy Savings?
9.20-9.35	Mr. Pungkuntran Jaganathan, Global Product Line Manager FLSmidth Private Limited, India	Carbon Footprint Reduction in Alumina Calciners
9.35-9.50	Mr.P. Pradeep, Lead Scientist Research & Development Dr. Amit Chatterjee, Chief Research & Development Officer Vedanta Aluminium Ltd. India	Empowering Tomorrow: Unveiling the Potential of Aluminium Air Batteries for Sustainable Energy Solutions
9.50-10.05	Mr. Simon Lobach, PhD Postdoctoral researcher Centre for International Environmental Studies / Geneva Graduate Institute	Greening the aluminium industry: What role for the social sciences?
10.05-10.20	Mr. Nilesh Bhattad CBAM Expert and Environmental Consultant CleanCarbon.ai, India	CBAM and the Aluminium Industry: Navigating the Path to a Low-Carbon Future
10.20-10.35	Mr. Gnanaprakasam Mahavishnu, Project and Services Head, FIVES, India	A Step Towards Net Zero
10.35-11.00	Tea/Coffee Break	
<i>11.00-11.05</i>	<i>Chairperson- Ms. Vaishali Surawar</i>	<i>Introduction of Sustainability and Decarbonization Session</i>
11.05-11.20	Mr. Suhas Dixit, CEO & Director Ms. Kavita Kadu, Innovation Specialist APChem Private Limited, India	Biomass Pyrolysis for Sustainable Decarbonisation of Aluminium Industry
11.20-11.35	Mr. Gangaa C Sharma, Managing Director & CEO CETIZION Verifica Private Limited, India	Circularity in Aluminium value Chain
11.35-11.50	Mr. Kurt C. Koehler, Founder & President AlGalCo-Hydrogen on Tap, USA	Hydrogen on Demand from Aluminum - A Massive Growth Opportunity for the Industry

11.50-12.05	<i>Mr. Sachin Arya & Mr. Chitranjan Jena,</i> Gharda Scientific Research and Foundation, India	Aluminium Via Chlorination of Bauxite
12.05-12.20	<i>Mr. Ravindra Panwar,</i> CRU, India	Decarbonization in the Aluminium Industry
12.20-12.35	<i>Mr. J.P. Nayak,</i> TRL Krosaki Refractories Ltd., India	Carbon Footprint Reduction by High Dense Bauxite – An Alternative Refractory Grade Raw Material of Fused Corundum
12.35-12.50	<i>Ms. Rashmi Singh, MD & CEO,</i> Enexion Consulting Private Limited, India	Navigating the Future: Building Your Sustainability Roadmap in the Aluminum Industry
12.50-13.05	<i>Mr. Santanu Dey, Manager- Alumina Operations</i> Hindalco Industries Limited, India	Adoption of Digital Solutions for Sustainable Red Mud Management
13.05-14.00	Networking Lunch Break	
14.00-14.05	Chairman	<i>Introduction of Sustainability and Decarbonization Session</i>
14.05-14.20	<i>Mr. Jens Holger-Schmidt, CEO</i> SEP Salt & Evaporation Plants Ltd., Switzerland	Decarbonization of Aluminate Liquor Evaporation Systems
14.20-14.35	<i>Dr S C Patnaik, Advisor Alumina</i> Kimberlite Chemicals India Private Limited, India	Kimberlite's Synthetic Flocculants: A Sustainable Solution for Efficient Alumina Production
14.35-14.50	<i>Mr. Gangaa C Sharma,</i> Managing Director & CEO CETIZION Verifica Private Limited, India	ESG in Aluminium value chain as per SEBI requirements
14.50-15.05	<i>Mr. Pratap Sahu, Plant Head- Hirakud Smelter, Hindalco Industries Ltd., India</i>	Enhancing Sustainability Through Co-Processing Spent Pot Lining in Cement Manufacturing
15.05-15.10	<i>Chairman- Mr. Bibhu Mishra</i>	<i>Introduction of Aluminium Industry 4.0 Session</i>
15.10-15.25	<i>Mr. Saprativ Basu, Lead Scientist, R&D</i> Vedanta Aluminium Ltd., India	Industry 4.0 initiatives for Digitalizing Aluminium manufacturing
15.25-16.00	Tea/Coffee Break	
16.00-16.15	<i>Ms. Ishita Ganguly, Senior Manager - Content Strategist</i> AL Circle, India	Artificial Intelligence Integration in the Aluminium Industry: Trends, Successes, and Potential
16.15-16.30	<i>Mr. Jagadish Achinadka, Principal consultant</i> q-Maxim LLP, India	Optimizing Casting Process Parameters by Using Design of Experiments and Machine Learning & Artificial intelligence

16.30-16.45	<i>Mr. Jitendra Ahirwar, BALCO, India</i>	Digitalization of Work management by Android based mobile application interlinked with CMMS (SAP)
16.45-17.00	<i>Mr. Ravi Gupta, Hindalco Industries Ltd., Mahan Aluminium, India</i>	Safety Enhancement in CHTA pouring crane by leveraging digital approach
17.00-17.05	<i>Chairman- Mr. Ram Narayanan</i>	<i>Introduction of Aluminium Marketing Session</i>
17.05-17.20	<i>Mr. Ravindra Panwar, CRU, India</i>	Present market and future forecast for aluminium raw materials – bauxite, alumina and carbon products
17.20-17.35	<i>Mr. Gopalkrishnan Shanker, CEO Madras Consultancy Group, India</i>	Trends in the Global Aluminium Flat Rolled Products (FRP) Market
17.35-17.50	<i>Mr. Ravindra Panwar, CRU, India</i>	Market forecast for aluminium downstream products including foils used in EV
17.50-19.00	Networking Session	
19.00-21.00	Dinner	

DAY-3 (27-09-2024)

AUDITORIUM

PARALLEL SESSION - 1		
<u>TS-2: BAUXITE-ALUMINA & BAUXITE RESIDUE</u>		
Time (Hour)	Speaker	Title
9.00-9.05	<i>Chairman- Mr. Shankar Shankarnarayan</i>	<i>Introduction of Bauxite-Alumina Session</i>
9.05-9.20	Mr. Anand Pandya, Assistant Manager (Geology) GMDC Ltd., India	Bauxite deposit of Kachchh and its characterizations
9.20-9.35	Mr. Yves Occello, Director, Amber Development, France	Processes Low Grade bauxites beneficiation
9.35-9.50	Mr. Ajit Sahu, Vedanta Aluminium Limited, India	How Systematic Evaluation of Bauxite Deposit Helps in Optimizing Resources and Grades?
9.50-10.05	Mr. Subha Banerjee, Manager- Refinery Technical Utkal Alumina International Limited, India	Improving and Sustaining Product fines for Smelter Grade Alumina Production
10.05-10.20	Mr. Shounak Banerjee, Sr. Marketing Manager Nalco Water I An Ecolab Company, India	Nalco Water's New Hydroximate Flocculant Application on Settler
10.20-10.35	Mr. Tapas Kumar Gachhayat AGM-Geology, Hindalco Industries Ltd. India	Sustainable Mining Practice in Bauxite Mines of Hindalco Industries Limited
10.35-11.00	Tea/Coffee Break	
11.00-11.05	<i>Chairman- Dr. Edgar Gasafi</i>	<i>Introduction of Bauxite-Alumina Session</i>
11.05-11.20	Mr. Rajendra Mishra Global Product Manager, CNA Process & Automation Solutions 4.0 Malvern Panalytical BV, The Netherlands	Online Analysis of Bauxite using PFTNA technique
11.20-11.35	Mr. Hirak Mitra, Vice President & Head – Hindalco Innovation Centre for Alumina , Hindalco Industries Limited, India	Microwave Assisted Acid Leaching Strategy for Enriching the Alumina Content in Non-Metallurgical Grade Indian Bauxite

11.35-11.50	<i>Ms. Santanu Dey, Manager- Alumina Operation, Hindalco Industries Limited, India</i>	Fostering Sustainable Futures in Belagavi Alumina Refinery through Circular Water Reliance
11.50-12.05	<i>Mr. Praveen Vishwakarma, Asst. General Manager, Alumina Technical Hindalco Industries Limited, India</i>	Reduction of Flocculant Consumption in Pressure Decanter through Data Analytics
12.05-12.20	<i>Mr. K. Kiran Kumar, Mr. Ramesh Chand, Mr. Deepanshu Bisht, Mr. Rahul Kumar Singh, Mr. Pramod Kumar Singh Hindalco Industries Limited, India</i>	Enhancing Steam Economy in Falling film Evaporation Unit for Reduced Steam Consumption in Alumina Production
12.20-12.35	<i>Ms. Purvi Ladha, Young Research Professional - Bayer Process Development Hindalco Innovation Centre – Alumina, Hindalco Industries Limited, India</i>	Effect of Pre-Desilication Conditions on Chemical Efficacy in High Temperature Digestion
12.35-12.50	<i>Ms. Suchita Rai, Principal Scientist, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur</i>	Synthesis of Dawsonite to Produce White ATH Using Inferior-Grade Bauxite from the Kutch Region of Gujarat
12.50-13.05	<i>Ms. Prachiprava Pradhan, Junior Scientist, Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur</i>	A step towards the production of alumina trihydrate (ATH) using non-metallurgical grade bauxites following Soda Sintering process
13.05-14.00	Networking Lunch Break	
14.00-14.05	<i>Chairman- Mr. Abhijeet Bandi</i>	<i>Introduction of Bauxite-Alumina Session</i>
14.05-14.20	<i>Mr. Sarbapi Mukherjee, Commercial Director, India & SEA. Almatris</i>	Almatris: Igniting India's Metal Industry Vision 2030 with Tabular Alumina and Beyond
14.20-14.35	<i>Mr. P Saravanan, Senior General Manager Hindalco Innovation Centre – Alumina, Hindalco Industries Limited, India</i>	The Effect of Sodium Oxide and Silicon Dioxide on Sintering Behaviour of a Reactive Alumina
14.35-14.50	<i>Ms. Chandrakala Kari, Aditya Birla Science and Technology Company Pvt. Ltd., India</i>	The Enduring Role of Rotary Kilns in Specialty Alumina Manufacturing

14.50-15.05	<i>Ms. Priyanka Nayar, JNARDDC & Crystal Growth Centre, Anna University, Chennai, Tamil Nadu, India</i>	Characterization of Float Zone-Grown Single Crystal Sapphire from High Purity Alumina Prepared at JNARDDC
15.05-15.10	<i>Chairman- Mr. Kausikisaran Misra</i>	<i>Introduction of Bauxite Residue Session</i>
15.10-15.25	<i>Mr. Thomas Baumann, Sales and Bussiness Development AKW Apparate + Verfahren GmbH, Hirschau, Germany</i>	Modern Concept for the Desanding of Red Mud
15.25-16.00	Tea/Coffee Break	
16.00-16.15	<i>Mr. Santanu Dey, Manager- Alumina Operations Hindalco Industries Limited, Belagavi, Karnataka, India</i>	Adoption of Chemical Aid for fugitive Red Mud dust emission control - Ensuring safe and sustainable Red Mud Management
16.15-16.30	<i>Ms. Suman 1AcSIR-Academy of Scientific and Innovative Research, Ghaziabad-201002, Uttar Pradesh, India 2 CSIR-Institute of Minerals and Materials Technology, Bhubaneswar-751013, Odisha, India</i>	Investigation of CO2 Adsorption Capacity and Kinetics of Feed and Mechanically-Activated Red Mud
16.30-16.45	<i>Mr. Saprativ Basu and Dr. Amit Chatterjee Vedanta Aluminium Ltd., Jharsuguda, India</i>	Iron extraction from Red Mud to produce Green Steel by Hydrogen plasma
16.45-17.00	<i>Prof. Srikanth Mutnuri, WaSH & FSM Lab, Department of Biological Sciences, Birla Institute of Technology & Science, Pilani K.K. Birla Goa Campus</i>	Bioremediation of Red Mud
17.00-17.15	<i>Mr. S K Tripathy, Lead – Environment & Sustainability Utkal Alumina International Ltd, Doraguda, India</i>	Utilization of Bauxite Residue for Road Construction
17.15-17.30	<i>Mr. Ravi Kiran Das, Deputy Manager, R&D-Quality Hindalco Industries Limited, Muri, Jharkhand, India</i>	Utilization of Co-Gen Power Plant Flue Gas for Moisture Reduction in Red Mud Cake at Hindalco Muri Refinery
17.35-18.30	Concluding Session and Prize Distribution For Best Papers/ Presentations	
<u>END OF CONFERENCE</u>		
Note- Each paper presenter is allotted 15 min including Q&A.		

DAY-3 (27-09-2024)

HALL-1

PARALLEL SESSION - 2 **TS-3: ALUMINIUM SMELTING**

Time (Hour)	Speaker	Title
9.00-9.05	<i>Chairman- Dr. Vilas Tathavadkar</i>	<i>Introduction of Aluminium Smelting Session</i>
9.05-9.20	<i>Mr. Atanu Maity,</i> Hindalco Industries Ltd, Hirakud, Odisha, 768016, India; Aditya Birla Science and Technology Company (P) Ltd, India	Sustainable Indigenous Pot Control System for Hirakud Smelter
9.20-9.35	<i>Mr. Debananda Bhattacharyya</i> GGM (Smelter), RP, Process Control & Lab, Smelter Plant Nalco, Angul, Odisha, India	Aluminium Metal Purity Improvement by Optimizing Anode and Potlines Parameters
9.35-9.50	<i>Mr. Rupesh Pandey,</i> Assistant Vice President Hindalco Industries Ltd, Renukoot, Uttar Pradesh, 231217, India	Best Practices to Achieve Benchmark Anode Effect Frequency
9.50-10.05	<i>Mr. Kazi Asif Ahmed,</i> Deputy Manager - Quality & Process Control Calderys India Refractories Ltd.	Refractories for Anode Baking Furnace
10.05-10.20	<i>Mr. Debasish Mallik,</i> Plant Head Smelter Hirakud P&S <i>Mr. Pratap Sahu,</i> Head Pot Room Hirakud P&S Hindalco	Specific AlF₃ Consumption Reduction in Hirakud Smelter
10.20-10.35	<i>Mr. Shibu Mathew,</i> Smelter Specialist, BECHTEL	Conservation of Energy in Al Cast House – Technology Advancement to Overcome Challenges
10.35-11.00	Tea/Coffee Break	
11.00-11.05	<i>Chairman- Mr. Senthil Nath</i>	<i>Introduction of Session</i>
11.05-11.20	<i>Mr. Vinay Agrawal,</i> Hindalco Industries Ltd., Mahan Aluminium, Singrauli MP, India	Reduction of melt loss in Aluminium Casting

11.20-11.35	<i>Mr. Khalil Khaji,</i> Consultant – Carbon Plants, Carbon Anode Technology Falcon Consultancy Services for Carbon Anodes LLP, Belgaum, Karnataka, India	Electrical Resistivity of Carbon Anodes
11.35-11.50	<i>Mr. Kaushik Tarafdar,</i> General Manger Rectifier Plant, Hindalco Industries Ltd, Renukoot, India	Protection Philosophy of Dc Busbar After Increase of Fault Level Due to Addition of Rectifiers for Current Increase in Aluminium Smelters
11.50-12.05	<i>Mr. Ulhas Parlikar,</i> Director, MRAI & Global Consultant, Mumbai;	Leachability of Fluorine at different pH conditions from the Carbon & Refractory portion of the Spent Pot Liner from Aluminum plant
12.05-12.20	<i>Mr. Suryakant Nayak,</i> Head Carbon Process Control Aditya Aluminium (Hindalco Industries Ltd.), Smelter, Lapanga, Odisha	Prebaked Anode Quality Enhancement by Process Parameter Optimization & In-house Innovation
12.20-12.35	<i>Mr. Chandrasekhar Kalingiri</i> DGM (Metallurgy), Process Control & SSC, Smelter Plant Nalco, Angul, Odisha, India	Anode Quality Improvement Method By Optimizing C.P.Coke Specifications
12.35-12.50	<i>Mr. Devendra Pathe,</i> Assistant General Manager Hindalco Industries Ltd, Mahan Aluminium, Singrauli, India	Improving productivity at Mahan Aluminium by Increasing Amperage
12.50-13.05	<i>Mr. Maheswar Behera,</i> Consultant – Aluminium Industries Independent Consultant	Role of wear components of the process equipment in the fines circuit of Green Anode Plant (GAP) and their influence on Anode quality
13.05-14.00	Networking Lunch Break	
14.00-14.05	<i>Chairman- Dr. Amit Gupta</i>	<i>Introduction of Session</i>
14.05-14.20	<i>Mr. Niraj Raj,</i> Aditya Birla Science and Technology Company (P) Ltd, India	Energy reduction through copper insert collector bar in low amperage pots
14.20-14.35	<i>Ms. Shweta Dhamande,</i> JNARDDC, Nagpur	Prospective of “Sustainable Process Development for the Recovery of Rare Earth Elements from aluminium dross”

14.35-14.50	<i>Mr. Dibyendu Ghosh, Manager-Carbon Technical</i> Hindalco Industries Ltd., Mahan Aluminium, Singrauli, Madhya Pradesh, India	Reduction of rejection of Green Anode and Green Paste in Carbon plant
14.50-15.05	<i>Mr. Niket Shrivastava , Mr. Abhishek Patel .</i> SBU Head , Head Process Control Potline Bharat Aluminium Company Ltd. Korba, Chhattisgarh, India	Energy Efficient Relining Design
15.05-15.20	<i>Mr. Tushar S. Thorat,</i> Aditya Birla Science & Technology Company Pvt. Ltd., India	Beyond Traditional Binders: For Sustainable Carbon Anode Manufacturing
15.20-15.35	<i>Mr. Rajesh Kumar Singh1, Mr. Niket Shrivastava2, Mr. Prakant Sinha3, Mr. Arvindh Ravindran4, Manoj Ramaiya5, Anuj Sood6</i> Bharat Aluminium Company Ltd. Korba, Chhattisgarh, India	Increase of Metal purity in Primary Aluminium production smelter
15.35-16.00	Tea/Coffee Break	
16.00-16.05	<i>Chairman- Mr .D. Bhattacharya</i>	<i>Introduction of Session</i>
16.05-16.20	<i>Mr. Tushar S. Thorat,</i> Aditya Birla Science and Technology Company Pvt Ltd., India	Energy Efficiency Enhancements at Anode Baking Furnace
16.20-16.35	<i>Mr. Rajesh Kumar Singh, Mr. Niket Shrivastava, Mr. Prakant Sinha, Mr. Arvindh Ravindran, Mr. Ranjan Mishra, Mr. Shivendra Agarwal</i> Bharat Aluminium Company Ltd. Korba, Chhattisgarh, India	Increase of Metal throughput in Aluminium smelter
16.35-16.50	<i>Mr. Pankaj Bohra,</i> Aditya Birla Science and Technology Company Pvt Ltd, India	Effect of Insulation Strip Length at Cathode-Collector Bar Joint on Hall-Héroult Cell Performance
16.50-17.05	<i>Mr. Soumyadeep Ghosh, Senior General Manager - Marketing, Mr. Soumadeep Paul, Deputy General Manager – Marketing</i> Uniseven Engineering & Infrastructure Pvt. Ltd.	Application of Nano-Ceramic Anti-Oxidation Coating on Anodes of Aluminum Reduction Pots
17.05-17.20	<i>Mr. Shashi Kant, Manager</i> Hindalco Industries limited, Reduction Plant, India	Improvement in Anode Consumption Behavior
17.35-18.30	Concluding Session and Prize Distribution For Best Papers/ Presentation	

END OF CONFERENCE

Note- Each paper presenter is allotted 15 min including Q&A.

DAY-3 (27-09-2024)

HALL-2

PARALLEL SESSION 3

TS-4: ALUMINIUM DOWNSTREAM

Time (Hour)	Speaker	Title
9.00-9.05	<i>Chairman- Mr. Harish Talreja</i>	<i>Introduction of Aluminium Downstream Session</i>
9.05-9.25	<i>Mr. Tarak Nath De</i> ^{1,3} , <i>Mr. Bikramjit Podder</i> ² , <i>Mr. Nirmal Baran Hui</i> ³ , <i>Mr. Chandan Mondal</i> ⁴ 1 Advanced Systems Laboratory (ASL), Hyderabad-500058, India 2 Defence Research & Development Laboratory (DRDL), Hyderabad-500058, India 3 National Institute of Technology, Durgapur, West Bengal-713209, India 4 Defence Metallurgical Research Laboratory (DMRL), Hyderabad-500058, India	An Experimental Assessment of the Through-thickness Deformation Gradient in Flow-formed AA6082 Al Alloy Tubes
9.25-9.45	<i>Mr. Lokesh Sharma</i> ¹ , <i>Mr. Kamal Kishore Jain</i> , BALCO, Korba, India	Quality Improvement Initiatives of Wirerod
9.45-10.05	<i>Mr. Anirban Giri</i> , Lead Metallurgist, R&D, Vedanta Aluminium Ltd., India	Deep Drawing and Anodizing Quality Improvement in AA3003 Alloy Sheet
10.05-10.25	<i>Mr. Deepak Adhikari</i> , CSIR – Institute of Minerals and Materials Technology, Bhubaneswar, India Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, India	Evaluation of microstructure and properties of 3D-printed AlSiMg components subjected to shock absorption test
10.25-11.00	Tea/Coffee Break	
11.00-11.05	<i>Chairman</i>	<i>Introduction of Session</i>
11.05-11.25	<i>Mr. Peeyush Mishra</i> , Analyst New Products, R&D, <i>Mr. Anirban Giri</i> , Lead Metallurgist, R&D Vedanta Aluminium Ltd., India	Accelerating Aluminium Alloy Development Through ICME

11.25-11.45	<i>Mr. Kiran Deshpande, Country Manager India RiA Cast House Engineering GmbH, Leipzig, Germany</i>	Reducing CO₂ footprint in furnace operations using modern techniques in Cast Houses is a way forward to Greener Aluminium and low carbon footprints.
11.45-12.05	<i>Dr. N S Anas, JNARDDC, Nagpur</i>	Unlocking the Potential of Semi-Solid Casting in Recycling AA2024 Swarf: Implications and Significance
12.05-12.25	<i>Mr. S. Dongre, Mr. H. S. Pandit and Mr. K. Venkatesh, Hindalco Industries Ltd., India</i>	Investigating the Impact of Oleic Acid-Based Emulsion on Corrosion of Rolling mill Housing
12.25-12.45	<i>Mr. Keerthan Jayaramu and Mr. Rajat Agarwal, Bhoruka Extrusions Pvt. Ltd. India</i>	Transforming Aluminium Extrusion: Leveraging Digital Transformation for Operational Excellence
12.45-13.05	<i>Ms. Akshata Jha, Manager, Mr. Rajendra D Kule, Assistant Manager Hindalco Industries Ltd, India</i>	Effect of Hot Mill Lubricant Additives on the tribological behavior of aluminium
13.05-14.00	Networking Lunch Break	
14.00-14.05	<i>Chairman</i>	<i>Introduction of Session</i>
14.05-14.25	<i>Mr. Rajesh Verma, Mr. KSM Rahman BALCO, Korba, India</i>	Development of AA3003 DDAQ Circles
14.25-14.45	<i>Mr. R. Anil Kumar, Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur</i>	Investigating the Influence of Chromium and Vanadium Concentrations on the Fluidity and Microstructural Properties of High Fe Recycled Aluminium Alloys
14.45-15.05	<i>Mr. Monis Raza, Hindalco Industries Ltd.</i>	High Tensile Strength Light Gauge Foil Development
15.05-15.25	<i>Mr. Xiangwen He 1, Mr. Lei He 2, Mr. Jian Li 3, China Non-ferrous metals Processing Technology Co., Ltd., Luoyang, China (CNPT) & China Aluminum International Engineering Co., Ltd., Beijing, China (CHALIECO)</i>	Development and Outlook of Aluminum Recycling Industry in China
15.25-16.00	Tea/Coffee Break	
16.00-17.30	Networking Session	
17.35-18.30	Concluding Session and Prize Distribution For Best Papers/ Presentation	
<u>END OF CONFERENCE</u>		

Note- Each paper presenter is allotted 20 min including Q&A.

DAY-4 (28-09-2024)

POST CONFERENCE VISIT TO BELAGAVI ALUMINA PLANT

Time (Hour)	Program
8.00	Departure from BITS Pilani Campus by Bus (Maximum 30 Delegates)
11.30	Arrival at HINDALCO's Belagavi Alumina Refinery
11.30-12.00	Plant Induction and Safety Briefings
12.00-15.00	Plant visit followed by working Lunch
15.00	Departure from Belagavi to Goa