

**INTERNATIONAL SYMPOSIUM
ON
BAUXITE, ALUMINA AND ALUMINIUM**

TECHNICAL PROGRAM



**SEPTEMBER 26-28, 2016
HOTEL RADISSON BLU & RESORT
SOUTH GOA, INDIA**

Date	Time (hrs)	Speaker	Title
25-09-2016	15.00-19.00	Registration Desk at Hotel Radisson Blu & Resort	
26-09-2016	07.30-09.00	Welcome & Registration	
	09.00-10.00	Inaugural Session (Secretary Mines & Others)	
TS-1: ENERGY REDUCTION IN ALUMINIUM SMELTING (IIM & IBAAS)			
	10.00-10.30	High Tea	
	10.30-11.00	Context Setting of theme symposium by Dr. Basu, Mr Kulkarni & Dr Agnihotri	
	11.00-11.20	Challenges Faced by Al-smelters by Abhijit Pati, Vedanta	
	11.20-11.40	Challenges Faced by Al-smelters by NALCO	
	11.40-12.00	Recent Energy Reduction Initiatives at HINDALCO Smelters and Future Challenges by A T Mathew	
	12.00-12.45	Energy Reduction in Aluminium Smelting by Halvor Kvande, Norway	
	13.00-14.00	Lunch Break	
	14.00-14.40	Development of a Low Energy Aluminium Smelting Solution for High Productivity Pots by Benoit Feve / Allais Bernard – Rio Tinto ALCAN	
	14.40-15.20	Technology Roadmap of New Generation Aluminum Reduction Cell Multivariate Process Parameters Intelligence Control System by Hong Bo & Li Jianping, GAMI & CHALCO, China	
	15.20-16.00	Breakthrough Technologies for Improving Potline Energy Consumption, Production Efficiency and Flexibility by Pretesh Patel & Mark Dorreen – LMRC	
	16.00-16.30	Tea Break	
	16.30-17.00	Cathode & Modelling Solutions - Implementation of Low Energy Consumption Relining Electrolysis Cell Design at BALCO by SGL Carbon (Ghazanfar Abbas Oscar Vera-Garcia) & BALCO (Abhishek Patel)	
	17.00-17.30	Impact of Cathode Lining Design on Aluminium Reduction Cell performance by Amit Gupta et al	
	17.30-18.30	Inputs for Roadmap & Concluding Remarks by all session chairs and speakers	

PARALLEL SESSION 2 (26-09-2016)
TS-2: SPECIAL ALUMINA & NON METALLURGICAL BAUXITE

Date	Time (hrs)	Speaker	Title
26-09-2016	10.30 - 11.00	Richard Flook	Background & Theme Paper
	11.00 - 11.30	Alison Saxby, Roskill, UK	Global Review and Update of the Non Metallurgical Bauxite and Alumina Industries
	11.30 - 12.00	Samantha Wietlisbach, IHS, Switzerland	Aluminium Chemicals Market – Focus on Water Treatment Chemicals and Fire Retardants
	12.00 - 12.30	Xavier Bapst, Alteo – Alumina Co., Japan	Specialty Alumina: Non Refractory Applications Require Purer and Finer Products with Cost Effective Solutions
	12.30 - 13.00	Iggy Tan, Altech Chemicals Limited, Australia	High Purity Alumina of Altech Chemicals
	13.00 - 14.00	Lunch Break	
	14.00 - 14.30	Martin.Z.Ma, Zhejiang Zili Corporation Limited, China	Development of Sintered Alumina & its Application in Ladle Refractory Lining
	14.30 - 15.00	Shankha Chatterjee Almatis Alumina Pvt. Ltd. India	Premium Alumina Solutions for Modern Steel Making
	15.00 - 15.30	S Sankaranarayanan, Consultant, Belgaum	Importance of Bayer Process R&D for Speciality Alumina Business
	15.30 - 16.00	Jayantibhai Bhatt, Gujarat	Prospects of Ceramic Proppants in Gujarat
	16.00 - 16.30	Tea Break	
	16.30 – 17.00	Gajanan Thakre, Castwel Industries, India	High Alumina Cement Production and Future Prospects in India
	17.00 – 17.30	HINDALCO	Papers Awaited

IBAAS COMMON SESSION ON 27-09-2016

Date	Time (hrs)	Speaker	Title
27-09-2016	9.00-9.30	Key note Address	Awaited
	9.30-9.50	Anupam Agnihotri, JNARDDC, Nagpur	Futuristic, Innovative, Energy-efficient Technologies in Aluminium Smelting
	9.50-10.10	D P Misra	Odisha: The Investors Destination for Alumina/Aluminium Industry
	10.10-1030	Sringeri Chandrashekar, RUSAL	Not All Aluminium is Created Equal
	10.30-11.00	Tea Break	
	11.00-11.30	Ashok Nandi	Why Guinea Bauxite is Considered Best in the World?
Presentation by Sponsors			
	11.30-11.50	Presentation by	Andritz Technology Pvt. Ltd., Kolkata
	11.50-12.10	Presentation by	SGL CFLCE GmbH, Germany
	12.10-12.30	Presentation by	Jingjin Environmental Protection Inc. China
	12.30-12.50	Presentation by	Cytec Inc
	13.00-14.00	Lunch Break	

PARALLEL SESSION 3 (27-09-2016)

TS-3: BAUXITE-ALUMINA

Date	Time (hrs)	Speaker	Title
27-09-2016	14.00-14.30	Stuart Ainscow, SEP Salt & Evaporation Plants Ltd., Switzerland	Evaporative Systems for the Alumina Industry – The Choice
	14.30-15.00	Samantha Wietlisbach, IHS, Switzerland	Caustic Soda: Round Up and Outlook for Alumina Production
	15.00-15.30	Mayank Sharma, Aditya Birla Chemicals, India	Caustic Soda Scenario of the World
	15.30-16.00	Tea Break	
	16.00-16.30	Ajay Popat, Ion Exchange (India) Limited, Mumbai	Specialty Process Additives for enhancing Alumina Production and Quality
	16.30-17.00	Kumaresan T, Ashish Mishra, ABSTL, Hindalco Industries Limited	Numerical Modelling of High Rate Decanter (HRD) Feed-Well
	17.00-17.30	Ajay Popat, Ion Exchange (India) Limited, Mumbai	Total Water Management and concept of ZLD in Alumina Industry
	17.30-18.00	Kumaresan T, Ashish Mishra, ABSTL, Hindalco Industries Limited	Experimental Analysis on Flow and Mixing Characteristics of Scale-Down Digester Model
	18.00-18.30	B K Satpathy, NALCO	Processing of Various Industrial Wastes for the Extraction of Alumina

PARALLEL SESSION 4 (27-09-2016)

TS-4: ALUMINIUM SMELTING

Date	Time (hrs)	Speaker	Title
27-09-2016	14.00-14.30	Xian-Qing Luo, GAMI, China	Improvement Effect Analysis for Long-Term Management Optimization to Electrolysis Production Parameter
	14.30-14.50	S.Pietrzyk, AGH- University of Science and Technology, Poland	The Cathode Materials Wear Rate in Aluminium Electrolysis - a Laboratory Study
	14.50-15.10	Xian-Qing Luo, GAMI, China	Busbar Refix Method of Aluminum Reduction Cell and Electromagnetic Analysis
	15.10-15.30	Alison Saxby, Roskill, UK	Petroleum coke in the aluminium industry, current and future supply trends
	15.30-16.00	Tea Break	
	16.00-16.20	Bijneswar Mohanty, Vedanta	Systematic approach to energy management through implementation of ISO:50001
	16.20-16.50	Bhabani Shankar, Vedanta	Initiatives for improving energy efficiency in aluminium smelting pots
	16.50-17.10	Umesh Prasad, BALCO, Korba	Reduction of Specific Heavy Furnace Oil consumption in Baking Furnace
	17.10-17.30	Nitin Tiwari, BALCO Korba	SPL Utilisation in Cement and Steel Industries
	17.30-17.50	Vivek Saxena, Vedanta	Reduction in Carbon footprint by implementing energy efficiency improvement initiatives
	17.50-18.10	R J Sharma, JNARDDC	JNARDDC's Journey on the Path of Enhancement in Energy Conservation in Aluminium Sector

PARALLEL SESSION 5 (27-09-2016)

TS-5: ALUMINIUM DOWNSTREAM & TRANSPORTATION

Date	Time (hrs)	Speaker	Title
27-09-2016	14.00-14.30	Eric Blake, Andritz Metals, USA	Overview of Furnace Aspects of Recycling of Aluminium
	14.30-15.00	Shanker Gopalkrishnan	Background & Theme Paper on Aluminium in Transport sector
	15.00-15.30	S. Ravishankar, Super Auto Forge, India	Automotive applications of Aluminium forgings
	15.30-16.00	Tea Break	
	16.00-16.20	Vikram Jhunjhunwala, Century NF Castings	The use of recycled Aluminium in the transportation sector
	16.20-16.40	D. K. Das, HINDALCO	Paper Awaited
	16.40-17.00	Kshemendra Nath, SAPA, India	Paper Awaited
	17.00-17.20	Shankadeep Mukherjee, CRU	Paper Awaited
	17.20-17.40	Shekhar Dravid, Alicon Castalloy Limited, Pune	Paper Awaited

PARALLEL SESSION 6 (28 -09-2016)

TS-6: BAUXITE

Date	Time (hrs)	Speaker	Title
28-09-2016	09.00-09.30	SRK, London	Developing Bauxite Projects – Planning for Quality Product
	09.30-10.00	Labbo Sow & William Morrel EGA-GAC	Geological & Metallurgical Characteristics of GAC Bauxite of Guinea
	10.00-10.30	P G Bhukte, JNARDDC, India	Characteristics of West coast (Goa) Laterite and Possible Techniques for Up-Gradation
	10.30-11.00	Tea Break	
	11.00-11.30		
	11.30-12.00		
	12.00-12.30		
	12.30-13.00		
	13.00-14.00	Lunch	

PARALLEL SESSION 7 (28 -09-2016)

TS 7: RED MUD HANDLING, STORAGE & UTILISATION

Date	Time (hrs)	Speaker	Title
28-09-2016	09.00-09.30	Vinod Sood / Sadguru Kulkarni	Background & Theme Paper
	09.30-09.50	CSIR - IMMT, India	Commercialization of Residue Neutralization with CO2 available in Alumina Refinery Stack- is it an economic option
	09.50-10.10	CHALIECO and NALCO, India	Commercial Production of Iron from Mud of East Coast Refinery
	10.10-10.30	D N Singh, IIT, Mumbai	Red mud Containment: Muri case study
	10.30-11.00	Tea Break	
	11.00-11.30	B. Senapati & Sateeshkumar, Vedanta, Lanjigarh, India	Best Practices in Red Mud Management at Vedanta
	11.30-11.50	A K Tripathy, B. K. Satpathy IMMT & NALCO, Bhubaneswar, India	Processing of various industrial wastes for the extraction of alumina
	11.50-12.10	N.Gangadhara Reddy, B. Hanumantha Rao and B.K. Satpathy, IIT, Bhubaneswar	Mineralogical and Chemical Studies on uncalcined, Calcined and HCl Treated Red Mud Waste
	12.10-12.30	S Bhaurao, Utkal Alumina, Rayagada, Odisha	Study on safe storage of Bauxite Residue at Utkal Alumina
	12.30-13.00	NALCO	Residue Management at Nalco Alumina Refinery: Issues and Plans for Future
	13.00-14.00	Lunch	

PARALLEL SESSION 8 (28-09-2016)

TS-8: ALUMINIUM DOWNSTREAM & CONDUCTORS

Date	Time (hrs)	Speaker	Title
28-09-2016	09.00-09.10	Vilas Tathavadkar	Context setting of Theme
	09.10-09.30	CPRI, Bangalore	Paper Awaited
	09.30-09.50	R N Chouhan, JNARDDC	Development of Super Thermal Resistant Al-Zr Alloy for Overhead Transmission Lines
	09.50- 10.10	R. Anantha, Associated Group	Energy Efficient Conductors
	10.10-10.30	Wire quality by ABSTC & Renukoot	Anirban Giri
	10.30-11.00	Tea Break	
	11.00-11.20	Sachin Gupta, HINDALCO	Paper Awaited
	11.20-11.40	Arup Krishna Saha, Minex Metallurgical Company Limited	Energy Saving in Aluminium Cast Houses with Improvement in Quality and Productivity
	11.40-12.00	Sandeep Sarkar, Vedanta	Cast House productivity improvement through TQM Initiatives
	12.00-12.20	P.R. Dungore, JNARDDC	Texture Analysis for the Aluminium Industry
	12.20-12.40		
	12.40-13.00		
	13.00-14.00	Lunch	

COMMON SESSIONS

	14.00-15.00	Panel Discussion on Bauxite-Alumina & Special Alumina
	15.00-16.00	Road Map for Indian Aluminium Smelting
	16.00-16.30	Panel Discussion on Downstream Products
	16.30-17.00	Concluding and Valedictory session
	17.00-18.00	High Tea/ End of the Symposium