

International Bauxite, Alumina, Aluminium Conference & Exhibition, Mumbai, India

**INDIAN ALUMINIUM INDUSTRY – STATUS, STRATEGIES & WAY
FORWARD FOR ACCELERATED GROWTH**



TECHNICAL PROGRAM

September 5-7, 2018



**THE LEELA PALACES, HOTELS AND RESORTS
SAHAR, MUMBAI, INDIA**

TIME (HRS)	4TH SEPTEMBER, 2018
16.00-19.00	Registration Desk at Hotel Leela
DAY 1: 5TH SEPTEMBER, 2018	
VENUE: MAIN HALL	
07.30-09.00	Welcome & Registration
09.00-11.00	INAUGURAL FUNCTION {Leaders Speak} - Conducted by Mr. H. Mahadevan
09.00-09.10	Dr. Ashok Nandi, Convenor, IBAAS - Welcome & Report
09.10-09.30	Dr. T.K. Chand, Hon. President AAI and CMD, NALCO, India
09.30-09.50	Mr. Satish Pai, Managing Director, HINDALCO, India
09.50-10.00	CEO, Vedanta, India
10.00-10.10	Prof. Amol Gokhale, Vice President, Non-Ferrous Metallurgy Division, The Indian Institute of Metals
10.10-10.20	Dr. Anupam Agnihotri, Director, JNARDDC, India
10.20-10.30	Mr. Ron Knapp, Secretary General, International Aluminium Institute
10.30-10.50	Secretary (Mines), India
10.50-11.00	Vote of Thanks - Mr. Vinod Sood, President, IBAAS
11.00-11.30	High Tea
Industry Issues	
11.30- 11.50	The Positive Future for the Global Aluminium Industry - Opportunities & Challenges - Ron Knapp, Secretary General, International Aluminium Institute
11.50-12.10	Technology Road Map Alumina & Aluminium Industry - Anupam Agnihotri, Director, JNARDDC, India
12.10-12.30	Chinese Demand for Imported Bauxite - Friday Gao, Consultant & Senior Product Manager of Asian Metal, China
12.30-12.50	Aluminium Smelters Status in India - Bibhu Mishra, Head, MCoE, HINDALCO, India
12.50-13.10	Aluminium Downstream Major Developments - Prof. Amol Gokhale, Vice President, Non-Ferrous Metallurgy Division, The Indian Institute of Metals
13.10 - 14.00	LUNCH SPONSORED BY COBEX GMBH, GERMANY
14.00-14.20	Present Status of Bauxite Mining & Export from Guinea by Mohamed Lamine Sy Savané, Guinea
14.20 - 14.40	The Importance of Assessing Infrastructure and Logistics Requirements at an Early Stage for the Development of Bauxite Projects - Colin Chapman, SRK Consulting (UK) Limited

14.40 - 15.00	Dealing With 'Bauxite Residues': Challenges and the Path Ahead - Prof. D.N. Singh, IIT Bombay, India
15.00 -15.20	Market Dynamics of Chlor alkali Industry by Mayank Shekhar Sharma, Grasim Chemical Division, India
15.20-15.50	Tea & Coffee Break
15.50-16.10	Bauxite-Alumina Supply and Demand Scenario of China, Sunny Huang, BGRIMM Lilan Consulting Corp., Ltd, China
16.10-16.40	Platinum Sponsor - REEL Alesa SAS, France
16.40-17.05	Gold Sponsor - Shanghai Heat Transfer Equipment Co., Ltd., China
17.05-17.25	Silver Sponsor - Epsilon Carbon Pvt Ltd., Mumbai, India
17.25-17.45	Silver Sponsor - Jingjin Environmental Protection Inc., China
17.45-17.55	Video Presentation - Aluminium Stewardship Initiative - Sustainability, Australia

19.00 HRS

A CULTURAL PROGRAM SPONSORED BY ASHAPURA AT HOTEL LEELA

20.00 HRS

DINNER SPONSORED BY ASHAPURA

DAY 2: 6TH SEPTEMBER, 2018**PARALLEL SESSION I****HALL: BALLROOM V**

TIME (HRS)	SPEAKER	TITLE
TECHNICAL SESSION-1: NON-METALLURGICAL BAUXITE & ALUMINA		
09.00-09.10	Chairman & Co-Chairman Dr. Richard Flook & Mr. H. Mahadevan	Introduction of Non-Metallurgical Bauxite-Alumina session
09.10-09.30	Samantha Wietlisbach, IHS Markit, Switzerland	Aluminium Chemicals Market - Overview of the Water Treatment, Aluminium fluoride and Flame Retardant Markets
09.30-09.50	Shankha Chatterjee, Almatis Alumina Pvt. Ltd., India	Characteristics that enable synthetic high alumina aggregate, Tabular alumina as optimum fit for refractory applications
09.50-10.10	P. Saravanan, Hindalco Industries Limited, India	Alumina - A Versatile Raw Material for Ceramics and Refractory Applications
10.10-10.30	Sankar Sankaranarayanan, Alprocon, India	Applications and Characteristics of Different Grades of Alumina Tri-Hydrate
10.30-11.00	Tea/Coffee Break	
11.00-11.20	Gildas Fontaine, ALTEO Gardanne, France	World Specialty Alumina market (market overview and trends)
11.20-11.40	B.K. Satpathy, Ex-ED, NALCO, India	Production of pure sodium aluminates and fine precipitate alumina tri-hydrates through bicarbonate process
11.40-12.00	Suchita B. Rai, JNARDDC, India	Effect of seed properties on liquor productivity & product quality in precipitation process for development of special products
12.00-12.10	Gajanan Thakare, Castwel Industries & Pravin Bhukte, JNARDDC, India	Non metallurgical Bauxite -Challenges in Indian Refractory industry
TECHNICAL SESSION-2: ENVIRONMENTAL ISSUES & VALUE FROM WASTE		
12.10-12.20	Chairman & Co-Chairman Dr. Pradip Banerjee & Dr. T. Kumaresan, ABSTCPL	Introduction of Environmental Issues & Value from Waste Session

12.20-12.40	Chenna Rao Borra, Department of Material Science and Engineering, TU Delft, Delft, The Netherlands	Recovery of rare earths and major metals from bauxite residue (red mud)
12.40-13.00	Saikat Chatterjee, M.N. Dastur & Co. (P) Ltd., India & Kinnor Chattopadhyay, Dastur Innovation Labs, Canada	SPL: Turning waste into value
13.00-14.00	LUNCH SPONSORED BY SANVIRA INDUSTRIES LTD. & IBAAS, INDIA	
14.00-14.20	Harshad kumar Pandit, HIC-Semi Fab, Hindalco Industries Limited, Talaja, India	Recovery of Metal Values from Aluminium Dross: a Review
14.20-14.40	K. Sanjay, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, India	Pyro-hydrometallurgical process for the recovery of alumina from waste aluminium dross
14.40-15.00	Sanjeev Gupta, GRASIM - Aditya Birla Group, India	Neutralization of Bauxite Residue by HCl
15.00-15.20	G. Shridhar, Ion Exchange (India) Ltd.	Advanced Technologies For Zero Liquid Discharge (ZLD)
15.20-15.50	Tea/ Coffee Break	
15.50 - 16.10	Sankar Sankaranarayanan, Alprocon, India	Comparative Evaluation of Indian Alumina Refineries with respect to Technology, Bauxite and Residue Disposal System
16.10 - 16.30	S. Mohan and H.P. Gupta, Alumina Refinery, Hindalco Industries limited, Renukoot, India	Recovering Fluorine Value from Spent Pot Lining in the form of Cryolite
16.30-16.50	Upendra Singh, JNARDDC, India	Pre-concentration & extraction of strategic rare earths from Indian red mud
16.50-17.10	M.T. Nimje, U. Singh, M. Najar, S. Rai, JNARDDC, India	R&D activities at JNARDDC for utilisation of aluminium industry wastes
17.10-17.30	Ratnakar R. Mahajan, Maccaferri-India	Sustainable & Eco-Friendly Soil Stabilization & Slope Protection Solutions For Bauxite Mining

DAY 2 – 6TH SEPTEMBER, 2018
PARALLEL SESSION II
HALL: BALLROOM II

TIME (HRS)	SPEAKER	TITLE
TECHNICAL SESSION-3: ALUMINIUM SMELTERS		
09.00-09.10	Chairman & Co-Chairman Mr. A.T. Mathew & Dr. Amit Gupta of ABSTCPL	Introduction of Aluminium Smelters Session
09.10-09.30	Vikram Handa, Epsilon Carbon Pvt. Ltd, India	Global & Domestic Scenario for Coal Tar Pitch
09.30-09.50	Niclas Krantz, Solvina AB, Sweden	Ensuring availability of aluminium smelters through island operation capability
09.50-10.10	Vimal Babu, Vedanta Limited, India	Sustainable Pot Performance through Operational Excellence
10.10-10.30	A. Agnihotri & V.K. Jha, JNARDDC, India	Perform Achieve and Trade (PAT) Way to Energy Efficiency in Aluminium Smelters
10.30-11.00	Tea /Coffee Break	
11.00-11.20	C. Sanyal, Himadri Speciality Chemicals Ltd., India	Coal Tar Pitch: It's Effect on Quality and Cost of Aluminium Production
11.20-11.40	Shreekant Kulkarni, Sejal Techno Services, India	Thermo Chemical Reduction of Aluminium Chloride (AlCl ₃) instead of electrolysis
11.40-12.00	P.V. Ramesh, Rajesh K. Singh, BALCO, India	Prevention of pot leakage from collector bar through data analysis in Aluminium Smelter
12.00-12.20	Smruti Pradhan, Vedanta Limited, India	Energy Saving Through FTP Optimization
12.20-12.40	N.S. Ashok Shankar, Vedanta Limited, India	Networking and Centralized Monitoring Station of Pot Tending Assembly
12.40-13.00	Kaushik Das, Calderys India Refractories Ltd., India	Calderys's experience of Aluminium Non-wetting castable: Conversion of Aluminium melting holding furnace refractory design from Brick lining to Monolithic Lining.
13.00-14.00	LUNCH SPONSORED BY SANVIRA INDUSTRIES LTD. & IBAAS	
14.00-14.20	Ramesh Chandra Patro, Vedanta Limited, India	Hydraulic Lifting, A change agent in high power transformer safety for internal inspection

14.20-14.40	Shashidhar Ghatnatti, Hindalco: Unit Mahan, India	Operating High Amperage Cells During Varying & Reduced Amperage Scenarios
14.40-15.00	Sruti Ranjan Behera, National Aluminium Company Ltd (NALCO), India	Effect of D C Power failure in Graphitized lined pots
15.00-15.30	Tea/Coffee Break	
15.30-15.50	Deepak Kumar, P.V. Ramesh, Rajesh k Singh. BALCO, India	Prevention of riser short circuit joint damage in Aluminium Smelter
15.50-16.10	Bhavya Narang, ABSTCPL, HINDALCO, India	Investigation of Lining Materials for Enhancing the Cell life
16.10-16.30	Jennifer Dumont, STAS INC., Canada	High Tech Solutions for the Aluminium Industry. STAS, your trusted partner
16.30-16.50	Shanmukh Rajgire, ABSTCPL, India	Macro-Models for Efficient Aluminium Smelting Process Control
16.50-17.10	Ravi Shankar, Vedanta Limited, India	Quick Revival and Restart of Potline-2

DAY 2 – 6TH SEPTEMBER, 2018
PARALLEL SESSION III
MAIN HALL (BALLROOM III)

TIME (HRS)	SPEAKER	TITLE
TECHNICAL SESSION 4: ALUMINIUM DOWNSTREAM		
9.00- 9.10	Chairman- Co-chairman Mr. Shanker Gopalkrishnan Madras Consultancy Group Vilas Tathavadkar, Aditya Birla Group	Introduction of Aluminium Downstream Session
9.10-9.40	D.K. Das Hindalco, India	India's Aluminium Sector: Emerging Downstream Growth
9.40-10.10	Christine Frogner Brath Norsk Hydro ASA, Norway	Circular Economy- with Aluminium as the Front Runner
10.10- 10.40	Frank Busenbecker Erbslöh Aluminium GmbH, WKW Group, Germany	The current developments in the European and German aluminium extrusion markets
10.40- 11.00	Shankhadeep Mukherjee, CRU India	Aluminium Rolled Products Market Outlook
11.00- 11.20	Tea /Coffee Break	
11.20-11.40	Eric Blake, Andritz Metals Inc, USA	Round Top Charge Aluminium Melting Furnace Technology
11.40-12.00	Biplav Basu Consultant, India	The Future of Aluminium Fuel Tankers in India
12.00-12.20	Utsav Agarwal Bhoruka Fabcons Pvt Ltd., India	Growing Use of Aluminium in Metro Rail and Transport Industry
12.20-12.40	Vikram Jhunjhunwala Centrury NF Castings, India	Aluminium recycling
12.40-13.00	Romy Wadhvani H.T. Makhijani & Associates, India	Recycling Aluminium scrap effectively by Briquetting
13.00-14.00	LUNCH SPONSORED BY SANVIRA INDUSTRIES LTD. & IBAAS	
14. 00 -14.20	Shekhar David Alicon Alloys, India	Aluminium castings
14.20-14.40	S. Ravishankar Super Auto Forge, India	Export prospects for forgings
14.40-15.00	Selvaraj Alphonse, Consultant Aerospace and defence, India	Automation in foundry and advanced technologies for production of thin walled aluminium sand castings for aerospace and defence application

15.00-15.20	VNSUV Ammu JNARDDC, India	Die design for generic tube profile using port hole dies
15.20-15.40	Jyotirmoy Chowdhuri, Hindalco Flat Rolled Products Plant - Hirakud, India	Surface Quality improvement by improving response in hydraulic circuit in cold mill
15.40 -16.00	Tea /Coffee Break	
16.00-16.20	S. K. Jana Apar Industries Ltd., India	Wire rods for HPC and HTLS Conductors and Cables
16.20-16.40	Jaganmohan Reddy Hind Aluminium Industries Ltd, India	Energy Efficient HTLS Conductors
16.40-17.00	Shavi Goyal & Sandeep Pratap Singh, BALCO, India	Alloy Ingot development and stabilization
17.00-17.20	Mritunjay Kumar Pandey, Hindalco Foil Plant - Mouda, India	Ingenuity at Work through Digitization
17.20-17.40	R N Chouhan, P Durgore JNARDDC, India	Microstructural characteristics of Strip cast aluminium alloys
17.40-18.00	Gaurav Kumar, Vedanta Jharsguda, India	Controlling Inverse Segregation in Wagstaff Hot Top Air slip Casting

19.00 HRS

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DAY 3 – 7TH SEPTEMBER, 2018
PARALLEL SESSION IV
HALL: (BALLROOM II)

TIME (HRS)	SPEAKER	TITLE
TECHNICAL SESSION-5: BAUXITE		
09.00-09.10	Chairman & Co-Chairman Dr. Ashok Nandi & Mr. Basudeb Datta	Introduction of Bauxite Session
09.10-09.30	Ajit Sahu, Vedanta and Ashok Nandi, IBAAS, India	Discussion on pathways for doubling the resources in Eastern Ghats, India; lets learn from Guinea success story
09.30-09.50	Sagar S. Pandit & Rajanikant Jadhav, Hindalco Innovation Centre - Alumina, India	Flotation as a novel method for beneficiation of low grade bauxites
09.50-10.10	Rana Goswami, MBE India	An Initiative to Beneficiate High Silica Bauxite Ore
10.10-10.30	Mahesh Kulkarni, Ashapura Minechem, India	Silica removal studies of gibbsitic bauxites from Gujarat
10.30-11.00	Tea /Coffee Break	
11.00-11.20	Henning Ranft, Wirtgen Group	Application of Surface Miners in Bauxite mining
11.20-11.40	P.G. Bhukte, JNARDDC, India	Significance of Geoinformatics technology in evaluation of laterite bauxite deposits
12.30-13.30	Concluding Session & Prize Distribution for Best Papers / Presentations	

DAY 3: 7TH SEPTEMBER, 2018
PARALLEL SESSION V
HALL: BALLROOM III

TIME (HRS)	SPEAKER	TITLE
TECHNICAL SESSION-6: ALUMINA		
09.00-09.10	Chairman & Co-Chairman Mr. Phillip Campbell Mr. Vinod Sood	Alumina session
09.10-09.30	Kumaresan T, Aditya Birla Science & Technology Pvt. Ltd (ABSTCPL), India	Evaluation of Technological Alternatives in Bayer Alumina Process
09.30-09.50	Samantha Wietlisbach, IHS MARKIT, Switzerland	Caustic Soda: An Essential Ingredient in Alumina Production
09.50-10.10	Thomas Baumann. AKW, Germany	Hydrocycloning Technology Contribution to Productivity Improvement, through Fines Loss Recovery and Seed Classification
10.10-10.30	Tea & Coffee Break	
10.30-10.50	René Rödenbeck, STC- Engineering GmbH, Germany	Restart Behaviour and Impeller Arrangement for Re-suspension in Settled Slurry Tanks
10.50-11.10	Satyanarayana.B, FLSmidth R&D, India	Combustion Modeling of Tuyere Burner Operation
11.10-11.30	Kiran Bhor, ABSTCPL, India	Impact of Swirl Flow in Mixing of Oxygen and Fuel for Burners in Rotary Kiln
11.30-11.50	Hein Krimpenfort, FELUWA Pumpen GmbH - Excellence in Pumps, Germany	The application of piston diaphragm pumps in the Alumina Industry
11.50-12.10	Sanchit Agarwal, ABSTCPL, India	Bayer Process and Challenges in Red side
12.30-13.30	Concluding Session & Prize Distribution for Best Papers / Presentations	

COMMON SESSION		
7 th SEPTEMBER 2018	12.10-13.30	Panel Discussion & Prize distribution for Best Papers / Presentations
	13.30	LUNCH SPONSORED BY IBAAS / END OF THE CONFERENCE

DAY 4: 8TH SEPTEMBER, 2018

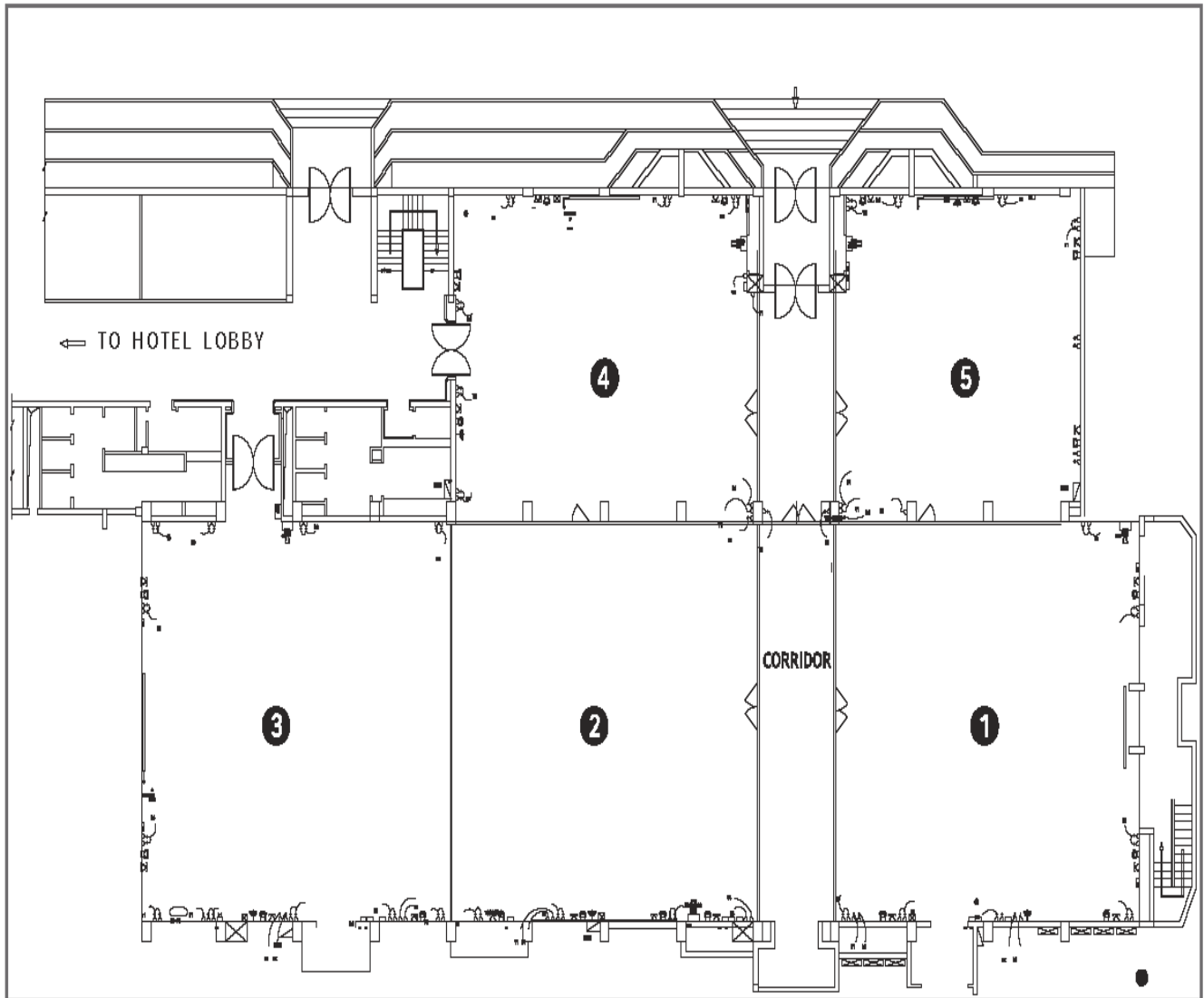
POST CONFERENCE VISIT TO HINDALCO TALOJA PLANT AND ADITYA BIRLA SCIENCE & TECHNOLOGY COMPANY PVT. LTD (ABSTCPL)

TIME	PROGRAM FOR PLANT VISIT
08.30 AM	Departure from Hotel Leela
10.00 AM	Arrival at HINDALCO Taloja Plant
10.00 AM - 12.00 Noon	Visit to Taloja plant
12.00 NOON	Departure for ABSTCPL
12.00-2.00 PM	Visit to laboratory followed by Lunch at the R&D centre
2.00 PM	Departure from ABSTCPL and arrive in Leela Hotel

PROGRAM AT A GLANCE

Date 04-09-2018 Time 16.00-19.00 Registration Desk at Hotel Leela						
Time	5 th September (Wednesday)	6 th Sept (Thursday)			7 th Sept (Friday)	
07.30-09.00	Welcome & Registration	PARALLEL SESSION I	PARALLEL SESSION II	PARALLEL SESSION III	PARALLEL SESSION IV	PARALLEL SESSION V
09.00-11.00	Inaugural Session	TS-1: Non- Metallurgical Bauxite - Alumina	TS-3: Aluminium Smelters	TS 4: Aluminium Downstream	TS-5: Bauxite Session	TS-6: Alumina Session
	High Tea (11.00 - 11.30)	Tea Break (11.00-11.30)			Tea Break (10.30-11.00)	
11.30 - 13.00	INDUSTRY ISSUES	PARALLEL SESSION I TS-1: Non - Metallurgical Bauxite - Alumina (Cont.)	PARALLEL SESSION II TS-3 (Cont.)	PARALLEL SESSION III TS-4 (Cont.)	PARALLEL SESSION IV TS-5: Bauxite Session	PARALLEL SESSION V TS-6: Alumina Session
Lunch Break (13.00-14.00)						
14.00-15.30	Aluminium Industry Perspective	PARALLEL SESSION I TS-2: Environmental Issues & Value from Waste	PARALLEL SESSION II TS-3 (Cont.)	PARALLEL SESSION III TS-4 (Cont.)	END OF THE CONFERENCE & EXHIBITION	
Tea Break (15.30-16.00)						
16.00-18.00	Presentations of Sponsors	PARALLEL SESSION I (Cont.)	PARALLEL SESSION II TS-3 (Cont.)	PARALLEL SESSION III TS-4 (Cont.)		

BANQUET & MEETING ROOM FLOOR PLAN



- ① BALLROOM I
- ② BALLROOM II
- ③ BALLROOM III
- ④ BALLROOM IV
- ⑤ BALLROOM V