

## IBAAS-GAMI 2019 Report

The IBAAS-GAMI 2019 conference and exhibition on “**Technological Advances in Alumina, Aluminium Smelter, Downstream Fabrication, Energy Conservation, Environmental Protection and Smart Manufacturing with Special Reference to China**” was concluded on September 7, 2019 and it was one of the most successful Aluminium events in China. About 280 delegates representing about 60 organizations from all over the world participated in this mega Aluminium event in Guiyang from September 4 to 6, 2019. The post-conference plant visits were organized in one of the modern alumina refineries of China known as Huajin Alumina; latest smelter ‘Guizhou Huaren Aluminium’ and aluminium downstream facility of Chongqing Huafon Aluminium Corporation.

The conference was inaugurated on 4<sup>th</sup> September at 9.00 AM with traditional Chinese customs, hospitality, pomp and grandeur and was attended by top officials from CHINALCO, CHALIECO, International Aluminium Institute (IAI), IBAAS and JNARDDC, India. The inaugural function was conducted by Mr. Yuan Chi, Director of GAMI and arrangements were made for the simultaneous translation in English and Chinese. Dr. A.K. Nandi, President of IBAAS welcomed the delegates and provided objectives, activities and past symposiums and conferences organized by this International Society. This is the 8<sup>th</sup> International conference of IBAAS and 3<sup>rd</sup> in China after successful events of Nanning (2013) and Suzhou (2015).

Mr. Zhang Chengzhong, Deputy General Manager, CHINALCO, China spoke about the spectacular growth of alumina & aluminium industry of China and present emphasis on improvement of productivity and quality production in the country. The Chinese Government is carefully monitoring and controlling the production growth and some of the proposed refineries and smelters have been turned down. Mr. Ron Knapp, Secretary General, International Aluminium Institute, U.K. had spoken about the changing scenario of alumina and aluminium production in the world. Mr. Meng Jie of China Nonferrous Metals Industry Association talked about the importance of aluminium industry for Chinese economy and rapidly growing usage pattern of its various products.



**Dignitaries and Guests at the Inauguration Event of  
IBAAS-GAMI 2019 Conference & Exhibition**



The IBAAS-GAMI 2019 Event Stage



Chinese and International Dignitaries and Delegates at IBAAS-GAMI 2019

Mr. Wu Jianqiang, Chairman, CHALIECO spoke about depleting bauxite resources in the country and overdependence on imported ore. At present China imports more than 80 million tonnes bauxite per annum, amounting to about 60% of its requirements.

Dr. Anupam Agnihotri, Director, JNARDDC, India regarded IBAAS conferences as a significant Asiatic event in aluminium sector. Dr. Agnihotri mentioned about importance of 3E i.e. economics, energy and environment for the growth of aluminium industry as these are the driving forces that will shape the global landscape for the sector.

Mr. Lv Weining, Executive Director, CHALIECO Guiyang Branch/GAMI showcased a series of alumina-aluminium projects being handled by GAMI. GAMI is currently employing over 1000 staffs, who are fully engaged in 32 disciplines as alumina, aluminium electrolysis, carbon, magnesium, titanium, automation & control, mechanical equipment, utilities engineering, environmental protection, civil engineering, project budgeting, etc. GAMI has close

association with the Chinese aluminium industry and has undertaken over 1000 various engineering projects in China and abroad. By the end of 2018, over 2800 patents have been applied, which enable GAMI to be the pioneer among domestic scientific research institutes. The proprietary technology has been successfully applied in India, Malaysia, Russia, Kazakhstan, Azerbaijan, Brazil, Greece, etc. achieving desired expectation and high market reputation. GAMI also organized a visit of the delegates to their research and design facilities of Guiyang later in the day. Dr. M.K. Roy, Secretary, IBAAS delivered the concluding remarks with thanks to all the dignitaries, delegates, sponsors, exhibitors and a large number of advertisers.

On the first day of the conference, 8 keynote addresses on various aspects of Aluminium industry were delivered by leading foreign and Chinese experts. These are:

1. “Ever changing World of Aluminium” by Mr. Ron Knapp, Secretary General, International Aluminium Institute, U.K.
2. “Innovation is the Driving Factor for Technological Development” by Mr. Yan Feiya, Chief Aluminium Expert of CHALCO/Director of Technical Department and R&D Center of GAMI, China.
3. “Introduction on Alumina Extraction from Fly Ash” by Mr. Guo Zhaohua, Deputy GM, Shenhua Juneng Resources Comprehensive Development Co., Ltd., National Energy Group, China.
4. “Global Bauxite, Alumina and Aluminium Market Outlook” by Ms. Rebecca Zhou, CRU.
5. “Indian Aluminium Industry: Moving Towards Bright Future!” By Dr. A. Agnihotri, Director, JNARDDC, India.
6. “Analysis of Chinese Aluminium Market” by Mr. Shi Fuliang, Co-founder & Director, Aladdiny Research Institute, China.
7. “China’s Alumina Scenario, Overseas Investment and Policy Evaluation” by Ms. Sunny Huang.
8. “Present Situation and Development Trend of Aluminium Processing in China” by Mr. Han Zhengying, CNPT, China.

On the 2<sup>nd</sup> and 3<sup>rd</sup> day of the conference, three parallel sessions on ‘Bauxite-Alumina’, ‘Aluminium Smelter and Carbon’, and ‘Aluminium Processing and Downstream Sector’ were conducted. During the 3-day conference, about 60 presentations were made on various aspects of aluminium industry. In the souvenir, about 78 abstracts received by IBAAS and GAMI along with 10 advertisements is provided and the same is also available on IBAAS website. At the end of technical deliberations, 6 best papers and presentations on Bauxite-Alumina, Aluminium Smelters and Downstream were awarded in the concluding session by the organizers of this conference. These are:

#### **Best Papers of the Bauxite-Alumina Session:**

1. An Attempt of Combining Digestion and Evaporation in Gibbsite Bayer Process by Zeng Guoqiang.
2. Post-deposition Drainage Technology by Liu Ning.

**Best Papers of the Aluminium Smelter and Carbon Session:**

1. Development and Application of GP500 Energy Saving Cell by Xie Zhuojun.
2. Continuous developments in cathode lining of low amperage pots to improve pot life and energy efficiency by Vibhav Upadhyay.
3. Application of New Low-consumption Anode by Wang Jainjun.

**Best Paper of the Aluminium Processing and Downstream Session:**

- Quality of AA6063 Alloy Billets by R.N. Chauhan.

IBAAS had compiled the Proceedings of this conference as Binder Volume No. 8 consisting of 67 technical papers on Bauxite, Alumina, Aluminium and downstream industry contributed by Chinese and foreign experts. This was circulated on the conference pen drive to all the delegates.

**Sponsors:**

Jingjin Environmental Protection Inc., Shandong, China, who has been our Silver Sponsor, showcased their expertise in production of best quality filter press in the world and is a leading exporter. COBEX GMBH, Germany, a leading cathode supplier of World, has been our Lunch Sponsor.

**Exhibition:**

An exhibition was also held at the conference venue, 14 companies participated and put up 17 stalls:

- OC-ETP, Oriental Copper, Thailand – 3 stalls.
- Jingjin Environmental Protection Inc., Shandong, China,
- Shandong Hwapeng Precision Machinery Co., Ltd., China – 2 stalls,
- Wuhan Special Vehicle Technology Engineering Co. Ltd, China,
- Hunan Kori Converters Co. Ltd.,
- SEFAR Filtration Solutions (Suzhou) Co. Ltd., China,
- Xinmi City Zhenxing Refractory Co. Ltd., China,
- Beijing Tiansheng Huazun Science and Technology Co. Ltd., China,
- Jiangxi Transformer Science and Technology Co. Ltd., China,
- Chint Electric Co. Ltd.,
- Luyang Energy-Saving Materials Co. Ltd.,
- Luoyang Vibration Co. Ltd.,
- Guilin Hongchen Mining Equipment Manufacturing Co. Ltd., China.

A concluding session was organized, where best papers and presentations were awarded by leading alumina and aluminium industry experts. The delegates appreciated the smooth conduct of the International event and also offered suggestions and some new ideas for further improvement. GAMI has shown keen interest in holding similar technical conferences along with IBAAS in future also.

Further details of this conference can be obtained from the IBAAS office [info@ibaas.info](mailto:info@ibaas.info).