



1st Call for Papers

**38th CONFERENCE
AND EXHIBITION**

ICSOBA 2020

12-16 October 2020

Jinan, Shandong, China

Organised by

ICSOBA



www.icsoba.org

in association with



www.nfsoc.org.cn

Hosted by

SUNSTONE

www.sun-stone.com

*ICSOBA – “Technology
Conference of the Aluminium
Industry, for the Aluminium
Industry”*

Invitation



Prof. Guanghui Lang,
Chairman of the Board, Sunstone
ICSOBA 2020 President



Dr. Claude Vanvoren,
Chairman of the Board, ICSOBA

Dear Colleagues,

The International Committee for Study of Bauxite, Alumina & Aluminium (ICSOBA) has great honor to announce the 38th International Conference and Exhibition of ICSOBA from 12 to 16 October 2020.

ICSOBA 2020 Host sponsor Sunstone will welcome you in Jinan, Shandong province, China where most powerful Chinese aluminium and alumina producers are located. There will be excellent representation of production companies, research institutes and equipment manufacturers.

We look forward seeing you all in Jinan for ICSOBA 2020.

About Organiser and Co-organiser



The International Committee for Study of Bauxite, Alumina and Aluminium (ICSOBA) is an independent non-profit association that unites industry individual and corporate members representing major bauxite, alumina and aluminium producing companies, technology suppliers, researchers and consultants from around the world. The main objective of ICSOBA is to promote the exchange of ideas and results of the work from different fields of research and current practice from bauxite mine to primary aluminium. Since 1963 ICSOBA annual technology conference is organised in different parts of the world and proceedings are published as TRAVAUX volumes.



The Nonferrous Metals Society of China (NFSOC) founded on November 28, 1984, is an academic, scientific and non-profit social organization formed voluntarily by scientists and technicians of nonferrous metals related disciplines, enterprises and institutions. NFSOC is a first-level society led by China Association of Science and Technology (CAST), and its supporting unit is China Nonferrous Metals Industry Association (CNIA). NFSOC implements the guidelines of independent innovation, breakthrough in key areas, supports development and leads the future of national science and technology work. NFSOC, with 238 group members and 43 000 individual members, has 31 academic branches and long-term business contacts with 17 local non-ferrous metal societies. NFSOC is the main channel for contacts and academic exchanges in China non-ferrous metal industry.

About the Host Sponsor

SUNSTONE



Sunstone established in 2003, specializes in the production and marketing of prebaked carbon anodes for global aluminium industry. With years of development, Sunstone has become one of the largest prebaked carbon anode manufacturers and the largest anode exporter in China. Sunstone currently operates six production facilities in China, three in Shandong province, two in Gansu province and one in Chongqing. The total capacity is approximately 2 million tonnes per year, of which about 25 % are exported.

Sunstone is a customer and technology-oriented enterprise. One of their major priorities is to produce high quality anodes with the lowest carbon footprint and continuously reduce production cost. To achieve this goal, Sunstone set up an R&D centre in 2010, which is one of the largest and most advanced laboratories for carbon materials for the aluminium industries worldwide. The R&D activities provide continuous technological innovations to our process and raw materials.

Conference Objectives



- Review the status and perspectives of bauxite, alumina and aluminium industries in the world with emphasis on China, the biggest and the most dynamically developing aluminium hub in the world
- Discuss promising research developments aimed at production, productivity and cost improvements
- Highlight proposed Greenfield and Brownfield activities in the aluminium industry
- Discuss advances in the field of environment and safety
- Update market aspects of bauxite, alumina and aluminium and their products
- Provide an excellent opportunity to interact with international experts, scientists, engineers, technology suppliers, equipment manufacturers and representatives of aluminium industry the world over
- Facilitate university students' meetings with industry representatives



Venue of the Conference

- The event will take place in the week from 12 to 16 October 2020 in the city of Jinan, Shandong province, China.
- More information about Venue and Hotels to follow.

Conference Languages

- Presentations will be held in English or Chinese with simultaneous translation, and presentations will be shown in both languages. All papers and presentations will be published in English on USB stick, available to all participants.



Exhibition

- Exhibition of latest technologies, equipment and other devices for the aluminium industry will take place alongside the conference. Companies can give a presentation at the Exhibition. Please follow more details as they appear at www.icsoba.org.

Call for Papers

Start using this template for writing the abstract, continue using this template for writing the paper.

This guidelines document is made according to the formatting requirements for ICSOBA papers. Hence, type your text in this document and you are using the correct format.

Author Guidelines and Template for ICSOBA Abstracts and Papers

(Title of the Paper uses capitals, Times New Roman 14, the Heading level 1)

Xxxx (Full first name and family name only)¹, Yyyy (Full first name and family name only)² and Zzzz (Full first name and family name only)³ (Times New Roman 11 Bold)

1. Position of Xxxx (Times New Roman 11)

2. Position Yyyy.

Affiliation of Xxxx and Yyyy (if from the same company), City, Country

3. Position and affiliation of Zzzz, City, Country

Corresponding author: abc@xyz.com (Remove Hyperlink)

Section titles are Times New Roman 11 Bold

The text is Times New Roman 11

Abstract

The abstract is one single paragraph and shall have a minimum of 100 words and shall not exceed a maximum of 300 words, summarizing the main points of the paper. Type your abstract in this place and you are using the correct format. Put only one corresponding author, who will be the contact person for the paper.

Keywords: Keyword 1, keyword 2, keyword 3, keyword 4, keyword 5.

A maximum of 5 keywords should be given at this place, separated by comma and finishing by full stop at the end. Each keyword can be one word or several words. The principle is: If you type a keyword in Google, it should come out with sites restricted in a fairly narrow range to what you describe. Example: Aluminium electrolysis cells, cell design and performance, cell modelling, cell measurements.

Your abstract shall be prepared in Microsoft Word (abstracts in pdf will not be accepted) and loaded as doc or docx file on conference organization tool ConfTool before 31 May 2020. ConfTool is customized to ICSOBA 2020 and can be reached through ICSOBA website: <https://icsoba.org/icsoba-2020/>, where you will also find instructions on how to upload the abstract, the paper and the presentation in ConfTool. On ConfTool you will also be able to update your abstract/paper/presentation until the deadline (see the instructions for downloading your abstract/paper/presentation from ConfTool and uploading the updated version back to ConfTool). On the other hand, the paper reviewers will also access the abstracts and papers and will upload them reviewed on the ConfTool. Be sure to always download the latest version from ConfTool before you start making any changes and to upload the new version on ConfTool the same day (whether completed or not). This will make sure that changes are made sequentially, between the authors and reviewers.

The Organizing Committee is inviting the submission of papers. Abstracts and papers should be written in the ICSOBA 2020 Author Guidelines and Paper Template, available on the ICSOBA website <https://icsoba.org/icsoba2020/>.

The submission of abstracts, papers and presentations is managed by ConfTool which is customized for ICSOBA 2020 Conference. The access to ConfTool is <https://www.conftool.net/icsoba2020>.

Paper selection and review will be made by ICSOBA Technical Committee under the leadership of Program Director and Subject Organizers.

Abstract submission deadline is 31 May 2020. Other key dates for ICSOBA-2020 are presented on the next slide.

Speaker program


The ICSOBA 2020 Speaker Program includes the following sessions:

- Bauxite mining
- Alumina refining
- Bauxite Residue
- Aluminium reduction technology
- Carbon materials

Program Director: Michel Reverdy.

Organising Committee: Claude Vanvoren, Frank Feret, Matthieu Arlettaz, Andrey Panov, Vinko Potocnik, Houshang Alamdari, Bijoy Satpathy.

Key dates



20 January 2020		Call for Papers
15 April 2020		Registration Starts
31 May 2020		Abstract Submission Deadline
15 July 2020		Full Paper Submission Deadline Early Bird Registration Closes
15 August 2020		Conference Program Available
15 September 2020		Presentation Submission Deadline
12 October 2020		Conference Starts

Technical Field Trips



On the last day of the conference three field trips are planned to:

- ***Alumina*** - **Binzhou Beihai Xinhe New Material Co., Ltd.** Xinhe is one of Weiqiao's alumina production sites. Its capacity is about 8 Mt. The plant uses Bayer Process using imported bauxite from the Republic of Guinea (Weiqiao's own bauxite mine). Plant start up: February 2012.
- ***Aluminium*** - **Binzhou Beihai Huihong New Material Co., Ltd.** Huihong is one of Weiqiao's primary aluminium production sites. Its capacity is about 670 kt. Plant start up: October 2015.
- ***Carbon*** - **Shandong Chuangxin New Carbon Material Co., Ltd.** It is a joint venture of Sunstone, Weiqiao and Chuangxin group. This project will build a 1.8 Mt anode plant and an 8 000 tonnes cathode plant in four phases. The first 600 kt prebaked carbon anodes production line started up at the end of 2018. Products are used in 500 to 600 kA electrolytic cells.

ICSOBA Corporate Members 2020



The vision of ICSOBA to become the “Technology Conference of the Aluminium Industry, for the Aluminium Industry” has received support of more than **25 major companies** who are participating to the yearly **ICSOBA Corporate Member Council** to voice their view and influence ICSOBA strategy.

As company active in the Aluminium Industry, you are most welcome to **join the Council**

<https://icsoba.org/corporate/>

*The ICSOBA Annual Event is the “Technology Conference of the Aluminium Industry,
for the Aluminium Industry”.*



*Contact us at: info@icsoba.org
Check for the regular updates at website: www.icsoba.org*