



## 2<sup>nd</sup> Call for Papers

# 43<sup>rd</sup> International Conference and Exhibition ICSoba 2025



**26-31 October 2025**  
**Nanning, China & online**



<https://icsoba.org/>

### INVITATION

*Dear Colleagues,*

The International Committee for the Study of Bauxite, Alumina, and Aluminium (ICSoba) is proud to announce the **43<sup>rd</sup> International Conference and Exhibition**, which will be held from **26 to 30 October 2025** in **Nanning**, Guangxi Province, **China**.

This marks the third time that ICSoba will take place in China, and the very first time in Guangxi.

The conference will adopt a hybrid format, with the in-person event hosted in Nanning and a real-time broadcast available for delegates unable to attend physically. However, **all ICSoba presenters are expected to travel to China to deliver their presentations on-site.**

We extend our sincere gratitude to Chinalco for their generous support as the Host Sponsor of the event and welcome the support of the Nonferrous Metals Society of China.

Featuring **3** keynote sessions and over **120** technical papers, the ICSoba 2025 conference is designed as a three-day technical event organized into four parallel streams, followed by a full day dedicated to technical field trips.

### KEY DATES / DEADLINES

- |               |   |                                    |
|---------------|---|------------------------------------|
| 1 March 2025  | ● | Abstract submission                |
| 15 March 2025 | ● | Abstract acceptance notification   |
| 31 May 2025   | ● | Full paper submission              |
| 1 August 2025 | ● | Draft conference program published |

### CONFERENCE TOPICS

ICSoba 2025 will place a strong emphasis on addressing the critical challenges facing the aluminium industry across the entire value chain, from bauxite mining to smelter casting operations.

The conference will delve into key topics, including:

- Sustainability and decarbonisation
- Energy challenges
- Digitalisation and Artificial Intelligence applications
- Health, environment, and safety
- Market scenarios and economic outlook
- Innovation and new technologies will be at the heart of the discussions.

Don't miss this unique opportunity to engage with international experts, scientists, engineers, technology providers, equipment manufacturers, and key players from the global aluminium industry.

### CONFERENCE LANGUAGES

Presentations will be delivered in both English and Chinese, with simultaneous translation provided to ensure accessibility for all attendees. All papers and presentations in English will be published and made available for download in PDF format on the ICSoba website. Additionally, the papers will be indexed on platforms such as Google Scholar and ResearchGate, complete with DOI references.

## CONFERENCE FORMAT

The hybrid format of the conference ensures that you can participate whether you travel to Nanning or join from home. Here is what distinguishes on-site participation from online participation:

- **On-site participants** will enjoy the full experience of a traditional ICSOBA conference, including:
  - Access to papers and presentations prior to the conference opening.
  - Participation in technical sessions, exhibitions, field trips, and social events.
  - The exclusive opportunity to present papers in person.
  - On-demand access to recorded presentations via the conference platform.
- **Online participants** will benefit from:
  - Access to papers and presentations before the conference begins.
  - Live attendance at scheduled sessions (based on Nanning local time).
  - On-demand access to recorded presentations through the conference platform.

This hybrid approach ensures an inclusive and enriching experience for all attendees, regardless of their location.

As an optional resource, a printed proceedings book (TRAVAUX, Vol. 54, English) will be available after the conference.

We look forward to seeing you at ICSOBA-2025!

## CALL FOR PAPERS

While keeping with the main fields of bauxite-alumina-aluminium, the conference will focus on the industry key challenges of today, maintaining a high scientific and technical innovation nature focused on industrial application of scientific results to pilots and plants.

The Organizing Committee is inviting the submission of abstracts and papers.

To facilitate the submission process, the ConfTool has been specially customized for the ICSOBA 2025 Conference. It is fully accessible in China and supports submissions in both Chinese and English <https://www.conftool.net/icsoba2025>.

Abstracts and papers should be written in the [ICSOBA 2025 Paper Template](#) as provided on ICSOBA website.

Please consult the [ICSOBA 2025 Author Guidelines](#) for detailed instructions on paper formatting.

Please use standard [ICSOBA 2025 Presentation Template](#) when making your presentation.

You can visit the [ICSOBA website](#) for template download and regular updates.

## JOINT ORGANISING COMMITTEE

ICSOBA:	ZRI:
Mr Bernard Allais Mr Matthieu Arlettaz Dr Claude Vanvoren	Mr Liu Wanchao Ms Yan Kun Ms Du Tingting Mr Yang Hao Ms Chen Shouhui

## SPECIAL FOCUS ON PAPER QUALITY

With the aim of keeping with the high standards of ICSOBA, we are targeting to have a more guiding process leading to the papers and presentations that will be presented at the conference.

- To maintain only 4 parallel streams, the number of presentations over the 3 days will be limited. We encourage contribution to identification of industrial solutions to today key challenges of our industry such as sustainability, decarbonization, energy challenge, ....
- Subject organizers will review abstracts within two weeks after the submission deadline and will inform the authors if their abstracts are accepted.

Paper and presentation review process will start immediately after submission.

## ICSOBA TECHNICAL COMMITTEE

Dagoberto Severo – Program Director

Subject	Subject organizer
Keynote	Stephan Broek Michel Reverdy
Bauxite & Alumina Bauxite Residue	Sébastien Fortin, Andrey Panov Thymis Balomenos
Aluminium Electrolysis	Vinko Potocnik Claude Ritter
Carbon	Francesco C. Baccalà
Smelter Casthouse Operations	Joseph Langlais



## VENUE OF THE CONFERENCE

The conference venue in Nanning will be announced at a later stage.

## TECHNICAL FIELD TRIPS

During the conference, technical field trips will be hosted by two subsidiaries of **Chinalco**, one of the world's largest aluminium producers. Participants will have the unique opportunity to visit an alumina refinery and an aluminium smelter.

- Alumina Refinery - **Guangxi Branch of Chinalco**. Established in 2002, Guangxi Branch of Chinalco is a state-of-the-art production facility with an annual output of 6 million tonnes of bauxite and 2.4 million tonnes of alumina. It stands as one of China's most advanced and innovative production bases.



- Aluminium Smelter - **Guangxi Hualei New Material Co., Ltd.** Founded in 2015, Guangxi Hualei New Material Co., Ltd. is an integrated enterprise specializing in primary aluminum production, power generation, and aluminum processing. With an annual capacity of 400 000 tons of primary aluminum, it leverages cutting-edge 500 kA cell technology,

## TECHNICAL FIELD TRIPS

setting a benchmark for excellence in the aluminum industry.



## EXHIBITION

The latest technologies, equipment, and devices for the aluminium industry will be showcased during the conference.

Exhibitors will have the opportunity to upload brochures and videos to the Whova conference application facilitating seamless interaction with both on-site and online participants.

For more information about the exhibition, please contact Dr Bijoy Satpathy at [bijoy.satpathy@icsoba.org](mailto:bijoy.satpathy@icsoba.org).

## FOR STUDENTS

This year, ICSOBA is once again encouraging student participation in the conference through the ICSOBA Student Award. Students are invited to submit their applications along with their abstracts. The ICSOBA Award Committee will evaluate the submissions and notify the winners of the award, which typically ranges from 500 to 1000 USD. [The Application Form is available on the ICSOBA website.](#)

## ABOUT NANNING

Nanning is the capital of the Guangxi Zhuang Autonomous Region in southern China, 160 km from the border with Vietnam. Nanning is situated in a hilly basin with elevations between 70 and 500 m above sea-level. It is known as the "Green City" because of its abundance of lush subtropical foliage.



Nanning is the center of science and technology, education, culture and health in Guangxi Zhuang Autonomous Region. Nanning is ranked one of the top 200 science cities in the world.



## ABOUT THE 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, for 62 years, ICSoba annual technology conference is organized in different parts of the world and proceedings are published as TRAVAUX volumes.

The vision of ICSoba to become the “Technology Conference of the Aluminium Industry, for the Aluminium Industry” has received support of over 45 major companies who are participating in the yearly ICSoba Corporate Member Council to voice their view and influence ICSoba strategy.

As a company active in the aluminium industry, you are most welcome to join the Council <https://icsoba.org/corporate/>

## ICSoba 2025 CORPORATE MEMBERS

			
			
			
			
			
			
			
			
			
			
			
			
			
			
			

## ABOUT THE HOST SPONSOR



**Aluminum Corporation of China Limited (Chinalco).** Established on September 10, 2001, Chinalco is a holding subsidiary of the Aluminum Corporation of China and is the world's largest producer and supplier of alumina, aluminum, fine alumina, high-purity aluminum, and aluminum anodes.

As a global leader in the aluminum industry, Chinalco stands out with its comprehensive industrial chain. Its operations span a wide range of sectors, including mineral resource exploration, alumina and aluminum production, aluminum alloys, carbon anodes, coal production, high-tech development, international trade, material supply, logistics, energy, and power.

Chinalco is listed on the Hong Kong Stock Exchange (December 2001), New York Stock Exchange (December 2001), and Shanghai Stock Exchange (April 2007). Its A-shares are included in the MSCI China A Onshore Index, and its H-shares are part of the Hang Seng China Enterprises Index.

<https://www.chinalco.com.cn/en/>

## ABOUT THE CO-HOST SPONSOR



### **Nonferrous Metals Society of China (NFSOC).**

Founded in 1984, the Nonferrous Metals Society of China (hereinafter referred to as NFSOC or the Society) has 45 branches, and has maintained business contacts with 17 local nonferrous metal societies, with 317 group members, more than 30,000 individual members, and 19 kinds of scientific and technical journals sponsored by itself. NFSOC was awarded as one of the 100 Science and Technology Volunteer Service societies and Excellent Group of Innovation-driven Projects, etc. by China Association for Science and Technology, and was selected as a first-class society construction project with Chinese characteristics. In 2023, it was approved as a 4A society of the Ministry of Civil Affairs.

Focusing on pioneering and innovating from the aspects of academic exchanges, journals, popularization of science, talent recommendation, etc., adhering to the purpose of "serving the development of the industry and promoting scientific and technological progress", the Society has become to an important social force to promote the high-quality development of China's non-ferrous metals science and technology.

<http://www.nfsoc.org.cn/>

## ABOUT THE SUPPORTERS

ICSoba is grateful to several local supporters to help us prepare ICSoba 2025 conference:

- **Zhengzhou Non-ferrous Metals Research Institute Co., Ltd. of Chinalco** – established in 1965, is China's key research and development base for major, critical, and forward-looking technologies in the aluminum industry. It pioneered the large-scale development of electrolytic cells, which have since been widely adopted nationwide. Currently, its research areas cover bauxite, alumina, aluminum smelting, high-purity aluminum, digitalization industries, and speciality alumina materials.
- **Guangxi Branch of Chinalco** - Established in 2002, Guangxi Branch of Chinalco is a state-of-the-art production facility with an annual output of 6 million tonnes of bauxite and 2.4 million tonnes of alumina.
- **Guangxi Hualei New Materials Co., Ltd** - Founded in 2015, Guangxi Hualei New Material Co., Ltd. is an integrated enterprise specializing in primary aluminum production, power generation, and aluminum processing.
- **China National Engineering Research Center for Aluminum Metallurgy** - established in 2003, serves as China's incubation and transformation base for new technologies, processes, materials, and equipment in the aluminum industry
- **The Academic Committee of Light Metal Metallurgy.**

## SPONSORSHIP

As you know, organizing a conference of this magnitude would not be possible without the generous support of our sponsors.

We are honoured to have **Chinalco** as the Host Sponsor for this year's conference. Together, ICSoba and Chinalco warmly invite bauxite, alumina, and aluminium producers, as well as industry partners from China and around the world, to participate in **ICSoba 2025 in Nanning** and become conference sponsors.

ICSoba, known as "The Technology Conference of the Aluminium Industry, for the Aluminium Industry," offers a unique opportunity for your company to enhance its visibility among primary aluminium decision-makers and key technologists.

Please consult the [Sponsors Fees and Benefits](#) document, which details the various sponsorship options, including on-site benefits and enhanced visibility through the Whova application, used by both on-site and online delegates.

If you are interested in supporting ICSoba's activities and showcasing your company at ICSoba 2025, feel free to contact **Claude Vanvoren** at [claude.vanvoren@icsoba.org](mailto:claude.vanvoren@icsoba.org) for more information.

## CONTACT US

For more information, please contact us at [info@icsoba.org](mailto:info@icsoba.org)