



2nd Call for Papers

42nd International Conference and Exhibition ICSOBA 2024



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27-31 October 2024
Lyon, France & online

Supported by:



<https://icsoba.org/>

INVITATION

Dear Colleagues,

For its **42nd International Conference and Exhibition**, ICSOBA is inviting you to return to the home turf of Paul Héroult and the place of one of the first plant where Karl Josef Bayer implemented his patented process of alumina extraction from bauxite.

The conference will take place in **Lyon (France)** from **27 to 31 October 2024**. This will be the second time ICSOBA conference will take place in France and the twentieth time in Europe.

The conference is planned on the same format as last two years with **authors delivering their presentation physically**. These presentations will be broadcast live for the participants who cannot attend in-person.

As usual, field trip will be organized to **Alteo Gardanne plant** with special focus on bauxite residue storage and processing, and **Aluminium Dunkerque smelter**, home of a Carbon Capture, Utilisation and Storage (CCUS) project.

We are very thankful to **Alteo, Aluminium Dunkerque, Rio Tinto and Trimet** for supporting the conference as host sponsors.

We look forward to seeing you at ICSOBA-2024!

KEY DATES / DEADLINES

| | | |
|-------------------|---|----------------------------------|
| 15 March 2024 | ● | Abstract submission |
| 31 March 2024 | ● | Abstract acceptance notification |
| 1 June 2024 | ● | Full paper submission |
| 15 September 2024 | ● | Presentation submission |

CONFERENCE TOPICS

ICSOBA 2024 will cover the following subjects:

- Bauxite
- Alumina
- Bauxite Residue
- Aluminium Electrolysis
- Electrodes for Aluminium Electrolysis
- Smelter Cast House

In these subjects ICSOBA 2024 will explore the following key issues:

- Sustainability and decarbonisation
- Artificial Intelligence applications
- Energy challenge
- New technologies
- Greenfield and brownfield activities
- Success stories in projects implementation
- Health, environment, and safety
- Market scenarios and economic outlook

Do not miss the opportunity to interact with international experts, scientists, engineers, technology suppliers, equipment manufacturers and representatives of worldwide aluminium industry.

CONFERENCE FORMAT

The hybrid format of the conference will enable your participation irrespectively if you travel to Lyon or must stay at home, including the access to conference materials and live sessions.

However, only on-site speakers will have the opportunity to present a paper.

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.

Submissions are managed by ConfTool <https://www.conftool.net/icsoba2024> which is customized for the ICSOBA 2024 Conference.

Abstracts and papers should be written in the [ICSOBA 2024 Paper Template](#) as provided on ICSOBA website.

Please consult the [ICSOBA 2024 Author Guidelines](#) for detailed instructions on paper formatting.

Please use standard [ICSOBA 2024 Presentation Template](#) when making your presentation.

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

CONFERENCE LANGUAGE

Papers and presentations will be in English. They will be published and downloadable from the ICSOBA website for the participants and ICSOBA corporate members. The papers will be indexed in platforms such as Google Scholar.

The printed book of proceedings (TRAVAUX No. 53) will be sent as individual orders after the conference.

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.

ORGANISING COMMITTEE

Under leadership of program directors Bernard Allais and Michel Reverdy.

The subject organisers are:

| | |
|------------------------|----------------------------------|
| Bauxite | Andrey Panov |
| Alumina | Sebastien Fortin, Andrey Panov |
| Bauxite Residue | Thymis Balomenos |
| Electrodes | Houshang Alamdari |
| Aluminium Electrolysis | Dagoberto Severo, Vinko Potocnik |
| Casthouse Operation | Joseph Langlais, Martijn Vos |

VENUES OF THE CONFERENCE

The conference is set at the Lyon Convention Centre <https://www.ccc-lyon.com/en>.



The conference headquarter hotel is the [Marriott Cité Internationale](#), a 3 minutes' walk from the Convention Centre.



As usual, a block or room is booked for the conference participants. Registration instructions will become available at a later stage.

TECHNICAL FIELD TRIPS

During the conference technical field trips will be organized to Aluminium Dunkerque smelter and Alteo Alumina refinery.

[Alteo Alumina](#) [Aluminium Dunkerque](#)

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 61 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/>

ABOUT THE HOST SPONSORS



Alteo is a world leader in the production of specialty alumina and develops products with high added value. Headquartered in Gardanne in Provence for more than a century, Alteo is also established in 16 countries around the world and exports its products to over sixty countries.

Owned by the industrial group UMSI, Alteo has more than 400 employees and achieved in 2022 a turnover of 184 million euros, over 86% of which is achieved on the international market.

As the only specialty alumina production site in France with internationally recognized expertise, the group places R&D, innovation, and sustainable development at the heart of its growth strategy. Alteo has successfully completed its industrial transformation by 2022 with the end of bauxite refining, while guaranteeing the stable quality of its raw material. Thus, Alteo has developed a modern and efficient industrial tool that allows it to develop on four key markets: advanced ceramics, high-performance refractories, battery separators and charges for heat dissipation.

<https://www.alteo-alumina.com/en>

ABOUT THE HOST SPONSORS



Virtuous aluminium for a sustainable world

France's last major primary aluminium plant, **Aluminium Dunkerque** specializes in the manufacture of slabs and ingots, in a wide variety of alloys, for high value-added applications in the automotive, transport and packaging sectors.

Major player in primary aluminium in Europe, the plant has been in Loon-Plage, Northern France, since 1991, at the heart of an area that is now strongly committed to decarbonizing its industries.

As one of the world leaders in low-carbon aluminium production, Aluminium Dunkerque has reduced its emissions (scope 1 and 2) by 17% since 2013 and emits four times less greenhouse gases than the global average for the sector.

On the strength of these assets, the company intends to play a major role in the European production of low-carbon aluminium for the benefit of its customers and communities. It is accelerating its energy and environmental transition as part of an ambitious decarbonization project called LowCAL.



<https://www.aluminiumdunkerque.fr/>

ABOUT THE HOST SPONSORS

RioTinto

Rio Tinto is one of the world's leading metals and mining companies with a global workforce of over 52,000 and an extensive portfolio of operating assets spanning 35 countries. We find better ways to provide the materials the world needs to grow and decarbonise. These metals and minerals are found everywhere in everyday life: aluminium for cars, copper for renewable energy technologies, iron ore for the steel in our cities and lithium for electric vehicles.

Rio Tinto is a global leader in aluminium, with a large-scale, vertically-integrated business: bauxite mines and alumina refineries as well as smelters which, in Canada, are powered entirely by clean, renewable energy. Our unique assets allow us to provide aluminium certified as responsible with a low-carbon footprint, traceable from mine to metal. Through its Matalco joint venture, Rio Tinto also offers customers a diverse portfolio of recycled aluminium solutions, and our ELYSIS joint venture with Alcoa is developing a disruptive technology that eliminates all direct greenhouse gas emissions from the aluminium smelting process.

Follow the Rio Tinto website for more information <https://www.riotinto.com/>

ABOUT THE HOST SPONSORS



As an innovative, medium-sized, family-owned company, **TRIMET** develops, produces, recycles, casts, and sells modern light-metal products made of aluminium at nine locations. A staff of about 2,400 ensure, together with our customers, that automobiles are more economical, aircraft are lighter, wind turbines and electricity plants are more efficient, buildings are more modern, and packaging is more ecological. TRIMET has acquired a unique knowledge of materials since its beginnings in 1985, and has retained three things in particular: authenticity, reliability and, of course, its passion for aluminium.

TRIMET France has two production factories: the Saint-Jean-de-Maurienne aluminium smelter in Savoie, one of the first in the world; and the Castelsarrasin foundry in Tarn-et-Garonne. Both companies have more than 100 years of industrial know-how and expertise. They are constantly updating their production facilities to guarantee high-quality, competitive products. With its two factories in France, TRIMET France produces primary aluminium for its industrial customers and offers them a wide range of products tailored to their needs: aluminium wire rod, primary foundry alloy, rolling slabs and T-bar ingots.

Learn more at: <https://www.trimet.eu/en/>

SPONSORSHIP

As you well know, organizing such conference would simply not be possible without the strong support of our Conference Sponsors.

ICSOBA conference, *"The technology Conference of the Aluminium Industry, for the Aluminium Industry"*, gives opportunity to your Company to maximize its exposure to the primary aluminium decision makers and influencing technologists.

Please consult the [Sponsors Fees and Benefit table](#) which illustrates the different options for on-site benefit but also through the Whova application, which will be used both by the on-site and the online delegates.

If you are willing to support ICSOBA activities and to showcase your Company at ICSOBA 2024, feel free to contact claud.vanvoren@icsoba.org for any further information.

EXHIBITION

As part of the conference agenda, the exhibition of advanced equipment and technologies will be organized allowing your company to showcase your recent developments.

Please contact Dr. Bijoy Satpathy bijoy.satpathy@icsoba.org for booking of the exhibition booth and other details.

CONTACT US

For more information, please contact us at info@icsoba.org