

ICSOBA  
The Aluminium Industry Forum



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

# 41<sup>st</sup> International Conference and Exhibition ICSOBA 2023



5 - 9 November 2023

Dubai, United Arab  
Emirates & online

Hosted by:



[www.icsoba.org](http://www.icsoba.org)

### INVITATION

*Dear Colleagues,*

The International Committee for Study of Bauxite, Alumina & Aluminium (ICSOBA) has the great honour to announce the **41<sup>st</sup> International Conference and Exhibition of ICSOBA**, that will take place in Dubai from **5 to 9 November 2023**.

This will be the second time ICSOBA will take place Dubai and fifth time in the Middle East.

This year, ICSOBA will celebrate its 60<sup>th</sup> anniversary.

The conference is planned to allow hybrid audience, with the in-person part to be held in Dubai, UAE and the online part as real-time broadcast for the delegates that cannot attend in-person. However, **all ICSOBA presenters will travel to Dubai to deliver their presentation physically**.

Organisation and conditions of ICSOBA 2023 exhibition will be released at a later stage.

We are very thankful to EGA to support the conference as the host sponsor.

We look forward to seeing you all at ICSOBA 2023!

### Update on KEY DATES / DEADLINES

- 31 May 2023 ● Abstract submission
- 15 July 2023 ● Full paper submission
- 30 September 2023 ● Presentation submission
- 15 October 2023 ● Final Program available
- 5 November 2023 ● Conference opening

### WHAT IS NEW IN THIS VERSION?

- *Keynote Speakers – current information*
- *Casthouse Operation – new subject*
- *Update in the Key dates*

### CALL FOR PAPERS

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

Submission process is managed by ConfTool <https://www.conftool.net/icsoba2023/> which is customized for the ICSOBA 2023 Conference.

Abstracts and papers should be written in the [ICSOBA 2023 Author Guidelines and Paper Template](#) as provided at the ICSOBA website.

Use of [ICSOBA 2023 Presentation Template](#) is required by authors.

Paper selections and reviews will be made by ICSOBA Technical Committee under the leadership of the Program Directors: Bernard Allais and Michel Reverdy & Subject Organizers: Andrey Panov, Carlos Suarez, Efthymios Balomenos, Vinko Potocnik, Dagoberto Severo Houshang Alamdari and Abdulla Bin Kalban.

### CONFERENCE FORMAT

The hybrid format of the conference will enable your participation irrespectively if you travel to Dubai or must stay at home.

Please note that only on-site speakers will have the opportunity to present a paper.

Please check ICSOBA 2023 page website for details and regular updates.

## KEYNOTE SPEAKERS

The following high profile keynote speakers have confirmed their participation in ICSOBA 2023 at the date of release of this 2<sup>nd</sup> Call for papers, many more to follow.



### Sustainability at Emirates Global Aluminium

Sergey Akhmetov, *Emirates Global Aluminium, Abu Dhabi, United Arab Emirates*



### The Decarbonisation Journey of the Aluminium Industry – Opportunities and Challenges to Achieve Net-Zero

Martin Iffert, *Martin Iffert Consulting, Berlin, Germany*



### Net-Zero Greenhouse Gas Emissions from Primary Aluminium Production - Is it Technically and Economically Possible by 2050?

Halvor Kvande, *Retired - NTNU, Hydro Aluminium, Oslo, Norway*



### The Business-climate Emergency Kit for the Aluminium Industry

Jerome Lucaes, *FAST FORWARD ZERO*



### Aluminium Outlook: The Shape of Things to Come

Uday Patel, *Wood Mackenzie, London, United Kingdom*



### The Aluminium Industry's Progress on Sustainability

Miles Prosser, *International Aluminium Institute, London, United Kingdom*

## CONFERENCE OBJECTIVES

ICSOBA 2023 will explore the following key issues:

- Sustainability and decarbonisation
- Energy challenge
- Digitalisation & automation
- Bauxite deposits and mining
- Alumina refining
- Bauxite residue
- Electrodes for aluminium electrolysis
- Aluminium electrolysis
- **Casthouse Operation**
- New technologies
- Greenfield and Brownfield activities
- Success stories in projects implementation
- Health, environment, and safety
- Market scenarios and economic outlook.

Following extensive survey of ICSOBA Corporate Members, a brand-new topic is added this year to the ICSOBA Conference agenda: **Casthouse Operation!** This new session will cover every aspect of a smelter Casthouse workshop operations with particular interest to the interface between Casthouse and upstream operations. Focus should be similar to other conference sessions: sustainability and decarbonisation, energy usage, automation and digitalisation.

A dedicated workshop for **Alumina Properties for Smelting** will be organized during the conference.

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

## TECHNICAL FIELD TRIPS

During the conference, the technical field trips will be organised by Emirates Global Aluminium. Participants will visit:

- [Al Taweelah alumina refinery](#) – this world-class facility began production in 2019 and produced 2.43 million tonnes in 2022, meeting 47 per cent of EGA's alumina needs;



- [Al Taweelah smelter](#) has a capacity of 1.5 million tonnes per year, from 1266 reduction cells using EGA technology. Potline 3 is the longest potline 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, now for 60 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 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 SPONSOR



Emirates Global Aluminium is the world’s largest ‘premium aluminium’ producer and the biggest industrial company in the UAE outside oil and gas.

We operate aluminium smelters in Abu Dhabi and Dubai, an alumina refinery in Abu Dhabi, and a bauxite mine and associated export facilities in the Republic of Guinea.

Aluminium is among the world’s most versatile metals, and our global customers transform it into products that make modern life possible – from smartphones and building materials to food packaging and car parts.

Our aluminium is the biggest made-in-the-UAE export after oil and gas, bringing in billions of dollars of export revenue each year contributing to the diversification of the national economy.

Four per cent of the world’s aluminium production or almost half of the aluminium produced in the Gulf Cooperation Council, is made by us. That means approximately one in every 25 tonnes of aluminium is UAE-made.

Our development since the 1970s has taken the UAE from no aluminium production to the fifth largest aluminium-producing country in the world.

Our homegrown technology enables us to be cost competitive and environmentally responsible while meeting our customers’ and society’s needs.

EGA is owned equally by Mubadala Investment Company of Abu Dhabi and Investment Corporation of Dubai. It is the largest company jointly owned by the two Emirates.

To learn more, please visit <https://www.ega.ae/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 2023, feel free to contact [marc.dupuis@icsoba.org](mailto:marc.dupuis@icsoba.org) for any further information.

## CONTACT US

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