

ICSOBA
The Aluminium Industry Forum



1st Circular

41st International Conference and Exhibition ICSOBA 2023



5 - 9 November 2023

Dubai, United Arab
Emirates & **online**

Hosted by:



www.icsoba.org

INVITATION

Dear Colleagues,

The International Committee for Study of Bauxite, Alumina & Aluminium (ICSOBA) has the great honour to announce the **41st 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 **60th 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.

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

Please check [ICSOBA website](http://www.icsoba.org) for details and regular updates.

We look forward to seeing you all at the ICSOBA 2023!

KEY DATES / DEADLINES

- 31 May 2023 ● Abstract submission
- 1 July 2023 ● Registration starts
- 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 CIRCULAR?

- Program highlights
- Venue information
- Hotel booking instructions
- Conference registration
- Keynote Speakers update
- Electrolysis short course

PROGRAMME OVERVIEW

With **12 confirmed keynote speakers** and over **180 technical paper** abstracts received to date, ICSOBA 2023 is planned as 3-days technical conference arranged in 4 streams with one full day for technical field trips.

- Sunday 5 November pm – registration, welcome reception,
- Monday 6 to Wednesday 8 November – technical sessions,
- Tuesday 7 November – Gala Dinner and ICSOBA 60 years celebration,
- Thursday 9 November - Field trips.

KEYNOTE SPEAKERS

The following high profile keynote speakers have confirmed their participation to ICSOBA 2023 at the date of release of this 1st Circular.



Enemies and Friends of Sustainability – Which One Are You?

Paul Adkins,
AZ Global Consulting,
Hong Kong, China



Sustainability at Emirates Global Aluminium

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



The Application of Capture of Process CO₂ in Primary Aluminium Smelting

Stephan Broek,
Kensington Technology,
Burlington, Canada



Digital Transformation: the EGA way

Paul-Antoine Calandreau,
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
Zurich, Switzerland



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



Future of Indian Aluminium Sector: Challenges and Progress

Nitin Tiwari,
Vedanta Limited,
Jharsuguda, Odisha, India



Navigating the Energy Crisis: Alunorte's Journey towards Low-Carbon Alumina and its Impact on the Global Aluminium Industry

Sandy Sutherland,
Norsk Hydro, Cully, Vaud, Switzerland

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.

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

CONFERENCE FORMAT

The hybrid format of the conference will enable your participation irrespectively if you travel to Dubai or must stay at home. The difference between on-site and online participation is:

- On-site participants of the conference will be able to take full benefit of regular ICSOBA conference, including downloading the papers and presentations before the opening of the conference, participation in technical sessions, exhibition, field trips and social functions. **Only on-site speakers will have the opportunity to present a paper.**
- Online participants of the conference will be able to download the papers and presentations before the opening of the conference. They will be able to attend the presentations live in the scheduled sessions Dubai time.

All delegates, on-site and online, will have possibility to view the recorded presentations “on demand” on the conference platform.

PAPERS REVIEW

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 with the team of over 40 reviewers representing global Aluminium industry.

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

Given the very high number of submissions, papers not complying with the 15 July deadline will not be guaranteed to have a slot in the technical program.

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. 52) will be sent as individual orders after the conference.

EXHIBITION

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

Exhibitors will be able to upload the brochure and video on the Conference Application – Whova- which enables connection with on-site and online participants.

Please visit the [ICSOBA website](#) for regular updates. You can contact Bijoy Satpathy bijoy.satpathy@icsoba.org for any information concerning the exhibition.

TECHNICAL FIELD TRIPS

On **9th of November**, the technical field trips will be organised by Emirates Global Aluminium. EGA is the world's biggest 'premium aluminium' producer and the largest industrial company in the United Arab Emirates outside oil and gas. 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.



CONFERENCE VENUE



[Hyatt Regency Dubai Creek Heights](#)

20th Street, Dubai Healthcare City, Bur Dubai, Dubai, United Arab Emirates

The [Hyatt Regency Dubai Creek Heights](#) hotel is located in Dubai Healthcare City, along the Dubai Creek and is easily accessible to all major points of interest in the city.

The two iconic towers offer 463 sleeping rooms across 34 floors overlooking the historic creek and city skyline and 3,200 square meters of meeting facilities along with an array of award-winning restaurants and other hotel facilities.



HOTEL BOOKING

ICSOBA has made booking reservation at a preferential rate for a **limited number** of rooms in the hotel just for the conference participants.

Therefore, due to very high demand at this time of the year, if you want to stay in the conference hotel, you must make your booking as soon as possible. Use these [hotel booking instructions](#) to make your discounted reservation. Please pay attention to payment procedure and cancellation policy presented there.



HOTEL / VENUE TRANSFER

The hotel is located at walking distance (1.3 km) from Dubai Healthcare City Metro Station and it is only 5 km/7.4km (9 minutes by car) away from Dubai's DXB international airport.

Guests can get to the hotel/venue using city taxi or public transport. Besides, airport transfers are available from hotel staff upon request (for bookings made 24 hours prior to arrival/departure, charges apply).

Local participants coming by car will be able to park in the large parking in the basement of the hotel.

REGISTRATION

The registration opens on **1 July 2023**.

To register, please use the ConfTool <https://www.conftool.net/icsoba2023/> which is customized for the ICSOBA 2022 Conference.

Registration Fees	USD
Early Bird Delegate (before 15 August)	1,000
Delegate	1,200
Conference Speaker	1,000
Student / Retired (delegate/speaker)	400
Online Delegate	400
Field Trip to Smelter/ Refinery	100
Exhibitor	3,500
Printed <i>Travaux No 52</i> Volume	300

Given the high tourist season in November in UAE, we suggest you make your registration and booking of your hotel and flights well in advance.

VISA SUPPORT and INVITATION

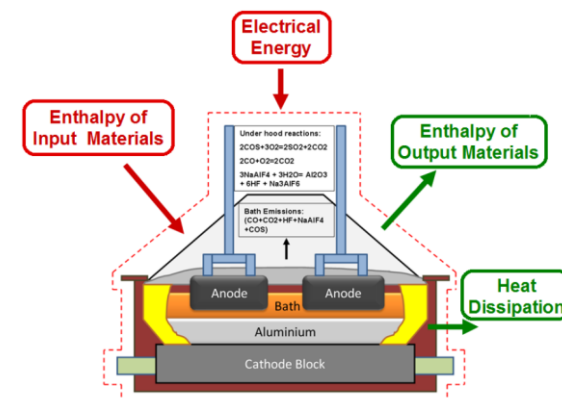
Please check if visa is needed for your trip, then contact ICSOBA organizers at info@icsoba.org.

If you need an invitation letter for obtaining your visa for UAE, you will be able to download it directly from ConfTool when registered.

A participation letter for your employer is also available from ConfTool if required.

Looking forward to meeting you in Dubai for ICSOBA 2023!

ELECTROLYSIS SHORT COURSE



ICSOBA has the honour to announce the 1st Aluminium Electrolysis Short Course.

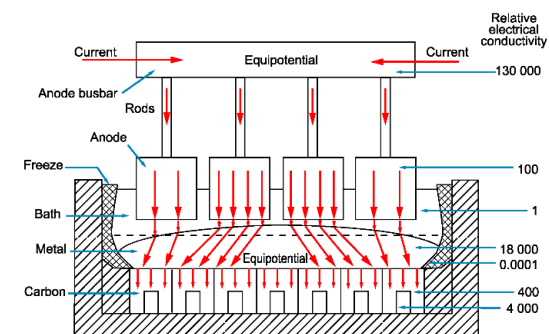
The course will be held in Dubai from **1 to 3 November 2023** at the **Hyatt Regency Dubai Creek Heights Hotel**.

It will be a unique opportunity to learn from experts in the field about the electrolysis process, both theoretical and practical aspects.

Please find more information at the [Course Flyer](#).

Register soon – there are a limited number of seats available!!!

To register please contact Dagoberto Severo: dagoberto.severo@icsoba.org.



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 for any further information.

CONTACT US

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