



## 2<sup>nd</sup> Circular

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



5 - 9 November 2023

Dubai, United Arab  
Emirates & online

Hosted by: **EGA**  
الإمارات العالمية للألمنيوم  
EMIRATES GLOBAL ALUMINIUM

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

## INVITATION

*Dear Colleagues,*

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

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

This year, ICSOPA 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 ICSOPA presenters will travel to Dubai to deliver their presentation physically**.

Organisation and conditions of ICSOPA 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 [ICSOPA website](http://www.icsoba.org) for details and regular updates.

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

## CONFERENCE OBJECTIVES

ICSOPA 2023 will explore the following key issues:

- Sustainability and decarbonisation
- Energy challenge
- Digitalisation and 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.

## KEY DATES / DEADLINES

15 September 2023	●	Draft Program available
30 September 2023	●	Presentation submission
15 October 2023	●	Final Program available
22 October 2023	●	Conference App open
5 November 2023	●	Conference opening

## WHAT IS NEW IN THIS CIRCULAR?

- Final Program at a Glance & Draft Speaker Program released;
- Keynote Speakers update;
- Bauxite & Alumina Committee meeting.

## TECHNICAL PROGRAM

ICSOBA 2023 is planned as 3-days technical conference arranged in 4 streams with one full day for technical field trips.

The [draft speaker program](#) has 168 technical presentations and 13 high profile keynote speakers from leading global companies and institutions.

- Sunday 5 November pm – will cover IAI BAC meeting, registration, welcome reception,
- Monday 6 to Wednesday 8 November – technical sessions,
- Tuesday 7 November – Gala Dinner and ICSOBA 60 years celebration,

- Wednesday 8 November – Alumina properties for aluminium electrolysis interactive workshop,
- Thursday 9 November - Field trips.

The Program at a Glance below allows you to see the events happening in your time zone, vs the official “Dubai time” of the program.

### ICSOBA 41<sup>st</sup> Conference and Exhibition – Program at a Glance

	LOCAL TIME										
	Brisbane	Beijing	Perth	India	Dubai	Moscow	Athens	Paris	Berlin	London	Sao Paulo
Introduction	13:30	11:30	9:00	7:30	6:30	5:30	4:30	3:30	0:30	22:30	
	13:50	11:50	9:20	7:50	6:50	5:50	4:50	3:50	0:50	22:50	
Start	14:00	12:00	9:30	8:00	7:00	6:00	5:00	4:00	1:00	23:00	
End	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00	
Networking Break	16:00	14:00	11:30	10:00	9:00	8:00	7:00	6:00	3:00	1:00	
	16:30	14:30	12:00	10:30	9:30	8:30	7:30	6:30	3:30	1:30	
Start	16:30	14:30	12:00	10:30	9:30	8:30	7:30	6:30	3:30	1:30	
End	18:30	16:30	14:00	12:30	11:30	10:30	9:30	8:30	5:30	3:30	
Lunch Break	18:30	16:30	14:00	12:30	11:30	10:30	9:30	8:30	5:30	3:30	
	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	4:30	
Start	19:30	17:30	15:00	13:30	12:30	11:30	10:30	9:30	6:30	4:30	
End	20:50	18:50	16:20	14:50	13:50	12:50	11:50	10:50	7:50	5:50	
Break	20:50	18:50	16:20	14:50	13:50	12:50	11:50	10:50	7:50	5:50	
	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00	
Start	21:00	19:00	16:30	15:00	14:00	13:00	12:00	11:00	8:00	6:00	
End	23:00	21:00	18:30	17:00	16:00	15:00	14:00	13:00	10:00	8:00	
Networking Break	23:00	21:00	18:30	17:00	16:00	15:00	14:00	13:00	10:00	8:00	
	23:20	21:20	18:50	17:20	16:20	15:20	14:20	13:20	10:20	8:20	
Start	23:20	21:20	18:50	17:20	16:20	15:20	14:20	13:20	10:20	8:20	
End	0:20	22:20	19:50	18:20	17:20	16:20	15:20	14:20	11:20	9:20	

Sunday 5th November	Day 1 Monday 6th November				Day 2 Tuesday 7th November				Day 3 Wednesday 8th November				Day 4 Thursday 9th November
	Stream 1	Stream 2	Stream 3	Stream 4	Stream 1	Stream 2	Stream 3	Stream 4	Stream 1	Stream 2	Stream 3	Stream 4	
	Conference introduction Host Sponsor Presentation				Delegate group photo								
	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Outbond trip (two groups starting 6.30 am and 10.30 am)
	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	Technical session (6 papers)	ICSOBA 60th anniversary: Alumina properties for aluminium electrolysis Interactive workshop				Field trip to EGA Al Taweelah plants  Exact schedule TBD
IAI Bauxite and Alumina Committee (by invitation only)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Technical session (4 papers)	Return trip (exact time to be specified)
Exact schedule TBD	Keynotes session A (4 presentations and Q&A)				Keynotes session A (4 presentations and Q&A)				Keynotes session A (4 presentations and Q&A)				Return trip (exact time to be specified)
	Corporate Members Council				Delegates meeting				Best papers Award Ceremony				

20:00 ICSOBA welcome cocktail	19:30 Social Event	20:00 ICSOBA Gala Dinner Sponsor's and Exhibitor's acknowledgment	19:30 Social Event
-------------------------------------	-----------------------	---	-----------------------

## KEYNOTE SPEAKERS



### **Sustainability at Emirates Global Aluminium**

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



### **Solar Energy for the Aluminium Industry's Transition into the Future**

Markus Balz,  
GlassPoint, Inc., New York, USA



### **The Application of Capture of Process CO<sub>2</sub> in Primary Aluminium Smelting**

Stephan Broek  
Kensington Technology,  
Burlington, Canada



### **Digital Transformation: the EGA way**

Paul-Antoine Calandrea  
Emirates Global Aluminium,  
Abu Dhabi, United Arab Emirates



### **CRU's Bauxite and Alumina Market Outlook: Upstream Investments Remain Attractive**

Anthony Everiss  
CRU Analysis, Gillingham, United Kingdom



### **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

## KEYNOTE SPEAKERS



### **Alumina Properties and Challenges Ahead**

Stephen J. Lindsay  
Retired - Alcoa, Smelting specialist  
Hatch, Maryville, USA



### **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



### **Smelter Grade Alumina Properties - The Alumina Refinery Challenge**

Jorg Ruster  
Emirates Global Aluminium,  
Abu Dhabi, United Arab Emirates



### **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 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.

## EXHIBITION

The latest technologies and equipment for the aluminium industry will be exhibited during the conference. 13 participants confirmed so far.

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](https://www.icsoba.org) for regular updates. You can contact Bijoy Satpathy [bijoy.satpathy@icsoba.org](mailto:bijoy.satpathy@icsoba.org) for any information concerning the exhibition.



## TECHNICAL FIELD TRIPS

On 9<sup>th</sup> 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](#)

20<sup>th</sup> 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 opened 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</i> № 52 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

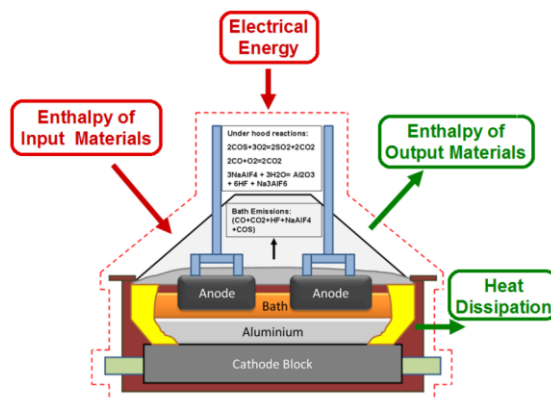
Please check if visa is needed for your trip, then contact ICSOBA organizers at [info@icsoba.org](mailto:info@icsoba.org).

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 1<sup>st</sup> Aluminium Electrolysis Short Course.

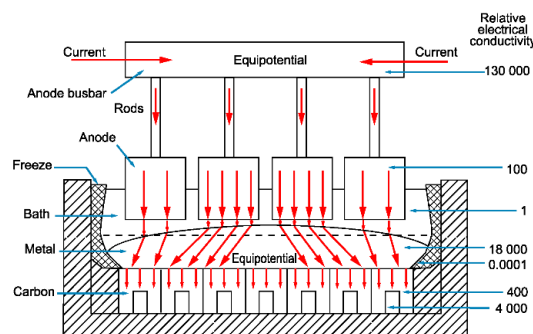
The course will be held in Dubai from **1 to 3 November 2023** at the **Hyatt Regency Dubai Creek Heights Hotel**.

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](mailto:dagoberto.severo@icsoba.org).



## IAI BAC MEETING



**Bauxite & Alumina Committee meeting and Workshop on decarbonisation in refining** will be held by **International Aluminium Institute (IAI)** on 5 November before the ICSOBA 2023.

To register (if an IAI member organization), please contact

**Carl Firman,**

Program Manager Sustainability (Bauxite & Alumina)

T +44 7586 632777,

[firmen@international-aluminium.org](mailto:firmen@international-aluminium.org)

## ABOUT THE IAI

The International Aluminium Institute (IAI) is the only body representing the global primary aluminium industry. The IAI was established in 1972. Current IAI membership includes global bauxite, alumina and aluminium companies in all the major producing regions.

Through the IAI, the aluminium industry aims to promote a wider understanding of its activities and to demonstrate both its responsibility in producing the metal and the potential benefits to be realised through its use in sustainable applications and recycling.

Please visit the IAI site for more details <https://international-aluminium.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 about EGA, 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](#), 16 to date.

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)