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Mar del Plata, July 27<sup>th</sup> 2025

International Society of Electrochemistry

Annual ISE report of Argentina –

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### **Membership**

- Currently there are 14 ISE members in Argentina (July 2025). The number of members decreased from the 40 in August 2024 where there was still the influence of the 34<sup>th</sup> ISE Topical Meeting that was held in Argentina in March 2023. The economical situation in Argentina, greatly affecting the scientific programs, was very difficult to overcome although many efforts were done from the national representative side. It was an offering of economical help to ISE members for assisting to the 75<sup>th</sup> Annual Meeting of Montreal (August 2024) from the regional reserved funds, as a way to facilitate the participation. Three helps were given to the ones who had registered and presented a work to the meeting. It is important to point out that most of the researchers (for not affirming that all of them) invest more than 70% of the expenses required to participate in a meeting from their own salaries, (which represents roughly a month salary) that is why it was thought that the economical help could stimulate the participation and being part of the society.

### **Activities in the period**

- The ISE members of Cordoba (University of Cordoba) were encouraged to present a proposal for a Topical Meeting in 2027 (still not formalized).
- Silvia Cere participated in the SMC and assisted to the SMC Meeting in Lausanne, April 13<sup>th</sup> 2025.

- There is active participation in the organization he “General Session” of the 76<sup>th</sup> annual meeting to be held in Mainz, Germany.
- There is active participation in the SIBAE (Iberoamerican Society of Electrochemistry). Since our electrochemistry community is not large, we are working together in order to collaborate without competition. As a starting point, coordinate the dates of the meetings to avoid superimpositions.
- Dr. Ezequiel Pedro Marcos Leiva was presented as fellow candidate this year. The submission was not successful. It would be very interesting to receive feedback from the evaluating committee for this activity.



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July 21, 2025

## **Report of the ISE Regional Representative for Austria 2025**

### **Memberships**

The number of Austrian ISE members has grown over the past year, increasing from 33 to 41 at the time of this report. Most members are affiliated with major universities and the largest federal research centers.

Prof. Julia Kunze-Liebhäuser (University of Innsbruck) became Chair-Elect of Division 7.

### **Activities**

Austrian ISE members actively contributed to international meetings in 2025. At the 75<sup>th</sup> Annual ISE Meeting, held in Montreal, Canada (August 18-23), six contributions - all oral presentations - were presented by members from four different Austrian institutions. The Regional ISE Meeting in Stresa (August 15-19) was also well attended, featuring nine contributions from members representing three Austrian institutions.

In Austria, several scientific conferences with a focus on electrochemistry or surface/interface science were successfully organized by ISE members in 2025:

- The Conference of Applied Surface Technology (COAST) 2025 was held in Vienna from May 5-7.
- The ECSCD-16/ICSOS-14 took place in Vienna from June 2-6.

Looking ahead, the 8<sup>th</sup> GÖCH Symposium on Physical Chemistry and Electrochemistry in Austria will be held in Wels from September 22–23, 2025. The symposium will cover topics such as electrochemical materials, energy conversion, and energy storage.

Collaborative research efforts also continue within the FWF Cluster of Excellence (CoE) "Materials for Energy Conversion and Storage (MECS)" [<http://coe-mecs.at>]. Several Austrian ISE members are involved in this initiative, focusing on electro- and photocatalytic processes for the sustainable production of hydrogen, fuels, and chemicals.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Andrea Auer".

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Andrea Auer



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São Carlos , August 25 th 2025

## **International Society of Electrochemistry**

### **Report of the ISE Regional Representative of Brazil - 2024**

In 2025, several initiatives were carried out by the electrochemistry community in Brazil, some of which are detailed below.

#### **39<sup>th</sup> Topical Meeting of ISE- Natal – 23<sup>th</sup> to 26<sup>th</sup> March, 2025.**

The 39th Topical Meeting of the International Society of Electrochemistry (ISE) took place in 2025, bringing together the electrochemistry community for scientific exchange and collaboration.

#### **Scientific Program**

The scientific program was structured around three main symposia (S1, S2, and S3), covering different aspects of electrochemistry. Oral and poster presentations were distributed as follows (<https://www.ise-online.org/app/uploads/ISE-TM-39-Program-web.pdf>).

#### **Oral Sessions:**

Three parallel sessions were held on Monday and Tuesday. Two parallel sessions were held on Wednesday. Each oral session began with an invited lecture delivered by a distinguished researcher.

#### **Poster Sessions:**

Two poster sessions were organized, on Tuesday and Wednesday mornings, providing an excellent opportunity for scientific interaction.

#### **Keynote Lectures:**

A total of six keynote lectures were delivered by internationally recognized experts, highlighting frontier research in electrochemistry.

#### **Social Program**

The meeting also included a vibrant social program. The Opening Ceremony was followed by a cocktail party with drinks, food, live music, and dancing. On Tuesday evening, participants gathered for the Gala Dinner, featuring drinks and music in a convivial atmosphere.

#### **Participation and Statistics**

The event attracted strong international participation, with representatives from 28 countries. In total, 194 participants attended, distributed as follows: 83 Brazilian

participants, 111 international participants.

### Scientific contributions

100 oral presentations and 88 poster presentations. Awards were given to four posters and seven oral presentations.



### Election of ISE Executive

Dr. Lucia Helena Mascaro was elected Vice-President of the ISE for the 2026–2028 term.

### Other activities related to the electrochemistry community in Brazil.

Prof. Susana Torresi delivered the opening lecture at the 48th Annual Meeting of the Brazilian Chemical Society. The XXV Electrochemistry and Electroanalytical Symposium Brazilian will take place in October 2025, featuring around 550 contributions. Several ISE members will participate by presenting keynotes, oral communications, and posters.

### Conclusions

In conclusion, the electrochemistry community in Brazil has been steadily strengthening year after year, with significant growth observed across all regions of the country. This development is closely aligned with the ISE, as reflected by the increasing number of Brazilian members and their active participation in both the ISE Annual Meetings and the Topical Meetings. The Topical Meeting organized in Brazil further reinforced this trend, showcasing not only the vitality of the national community but also its strong integration with the ISE.



Prof. Dra. Lucia H. Mascaro



Prof. DSc Vessela Tsakova  
Regional Representative of Bulgaria

Sofia, 28.07.2025

## ISE Annual report 2025, Bulgaria

**Membership:** 14 ISE members according to the ISE web-site.

### Regional electrochemistry activities:

The Bulgarian electrochemical community has organized the conference **BELCHEM 2024: Electrochemistry for environmental protection, life quality improvement and sustainable energy**, held in Haskovo, Bulgaria from 25 to 28 September, 2024.

A total of 60 participants from 17 academic and research institutions and companies in Bulgaria and abroad took part in the BELCHEM 2024 conference. Among them 30 % consisted of young scientists, postdoctoral, doctoral, and university students engaged in research work. The BELCHEM 2024 program covered the full spectrum of contemporary electrochemical research conducted by Bulgarian scientists from across the country, as well as research by prominent foreign researchers representing the Bulgarian electrochemical diaspora.

The BELCHEM 2024 program included 34 oral and 24 poster presentations covering the following thematic areas:

- electrochemical materials science: metal, alloy, and composite coatings obtained by electrodeposition, electroless deposition, or spontaneous deposition of metals on various substrates; catalysts; material degradation, corrosion protection;
- electrochemical conversion and storage of energy: fuel cells, hydrogen energy, batteries;
- analytical electrochemistry: electrochemical and bioelectrochemical sensors for the detection of pollutants, drugs, and compounds involved in human metabolism; electrochemistry of immobilized enzymes and lipid films;
- presentation of newly acquired equipment for non-electrochemical analysis, e.g. optical emission spectroscopy device with glow discharge.

The two poster sessions included in the conference program provided opportunities for in-depth discussion of the scientific results, particularly beneficial for young scientists. This fulfilled one of the main priorities of BELCHEM 2024 – to present and expertly evaluate the work of students, young scientists, doctoral students, and postdoctoral researchers.

The participants agreed that the format of the conference was extremely useful and contributed to the consolidation of the electrochemical community in Bulgaria, to better visibility and interconnectivity of electrochemical research, as well as to the expansion and enrichment of research activities through new collaborations with Bulgarian electrochemists working abroad.

An application for sponsorship of BELCHEM 2025 was sent to ISE as early as **February 27<sup>th</sup>, 2024**. (The receipt of the application was duly confirmed.) Despite several inquiries on the outcome of this application **no information was received on whether it was considered by the respective Divisions and the ISE Executive Committee**.



/Prof. DSc Vessela Tsakova/



## International Society of Electrochemistry

### Annual ISE report of Chile – 2025

**ISE regional representative (RR) election in Chile:** The RR election was held on December 22<sup>nd</sup>, 2024, obtaining 71.9% of the votes.

**Memberships:** The current number of ISE members in Chile is 34. This year, the number of ISE members increased by 26% compared to last year. We will continue to attract new members to the ISE community.

#### Activities:

Participation of 15% of Chilean ISE members in the 39<sup>th</sup> Topical Meeting of the International Society of Electrochemistry was held in Natal, Brazil, from 23 to 26 March 2025. The topics presented at this meeting focused on the generation of new sources of clean energy, photoelectrocatalysis, and environmental electrochemistry.

Application of a young Chilean researcher and active ISE member for the Oronzio and Niccolò De Nora Foundation Young Authors Award.

The participation of Chilean ISE members will be 18% in the 76<sup>th</sup> Annual Meeting of the International Society of Electrochemistry to be held in Mainz, Germany, from 07 to 12 September 2025. The topics presented at this annual meeting will focus on electroanalyticals, electrocatalysis, and molecular spectro-photo-electrochemistry.

#### ISE Sponsorship:

**"ElectroChem-Women" Workshop:** RR Chile will request sponsorship from ISE to organize a workshop to highlight the work of women scientists in electrochemistry, covering various topics of interest. This will foster collaborative networks and encourage future participation of Chilean partners in ISE events.

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Dra. Ana María Méndez-Torres

ISE Regional Representative of Chile



# Chinese Society of Electrochemistry

## Annual ISE report of China (2025)

1st July, 2025

### 1. Membership

The current active ISE members in China mainland is **210**. We are strongly encouraging Chinese scientists, researchers and students to join as ISE member.

### 2. Meetings

- (1) ISE China regional group (Chinese Society of Electrochemistry, CSE) and more than 50 members and scholars attended the 75<sup>th</sup> ISE Annual Meeting (Aug 18-23, 2024, Montréal, Canada), such as Prof. Jun Cheng of Chemistry, Xiamen University, Prof. Qunjie Xu of Shanghai University of Electric Power, Guobao Xu of Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, and so on.
- (2) ISE China regional group organized the **2<sup>nd</sup> (2024) Symposium on Electrochemical Energy Conversion**. The conference was held from July 19 to 21, 2024 in Changchun. The conference was co-sponsored by the Chinese Society of Electrochemistry and the Changchun Institute of Applied Chemistry, Chinese Academy of Sciences. More than 500 experts and scholars, including academicians of Chinese Academy of Sciences participated in the meeting to share the innovative achievements of frontiers, fundamentals and applications of water electrolysis, Li-ion batteries, Na-ion batteries, fuel cells, energy storage systems, supercapacitors, and to discuss the current status of the scientific research and the development prospect of new concepts, theories, technologies, and methods, etc..
- (3) ISE China regional group organized the **22<sup>nd</sup> National Electrochemistry Conference of China**. The conference was held from November 5 to 8, 2024 in Haikou. The conference was co-sponsored by the Chinese Society of Electrochemistry and Hainan University, and organized by the School of Chemistry and Chemical Engineering of Hainan University. The conference is themed of “Electrochemistry for Advancing Carbon Neutrality Goals”. More than 15 member of the Chinese Academy of Sciences, 4200 participants from universities, institutes and industry attended the meeting. There were a total of 20 Sub-venue, 4 specialized Sub-forum, a total of more than 110 keynote presentations, more than 560 invited

presentations, more than 480 oral presentations and more than 480 wall papers, with topics covering different fields of electrochemistry.

(4) ISE China regional group organized the **2025 International Symposium on Electrocatalysis and Electrosynthesis**. The conference was held from March 28 to 30, 2025 in Xiangtan. The meeting was co-sponsored by the Chinese Society of Electrochemistry and Xiangtan University, and organized by the College of Chemistry of Nankai University. More than 800 experts and scholars, including academicians of Chinese Academy of Sciences participated in the meeting to share the innovative achievements on the frontiers, fundamentals, technologies and applications of electrocatalysis, electrosynthesis, photocatalysis, environmental catalysis, basic electrochemistry and energy electrochemistry, and to discuss the latest advances and the development prospect in the science and technology of electrocatalysis and electrosynthesis.

(5) ISE China regional group organized the **3<sup>rd</sup> (2025) Symposium on Electrochemical Energy Conversion**. The conference was held from April 11 to 13, 2025 in Zhengzhou. The conference was co-sponsored by the Chinese Society of Electrochemistry and Zhengzhou University. More than 700 experts and scholars, including academicians of Chinese Academy of Sciences participated in the meeting to share the innovative achievements of frontiers, fundamentals and applications of “Electrocatalysis-Electrosynthesis”, “Next-Generation Energy Storage Batteries”, “Photovoltaic Conversion and Devices”, “AI+ Theoretical Computations and Characterization”, and discussed the development prospect of new concepts, theories, technologies, technological innovation and industrial application.

### **3. Activities**

(1) The 2024 meeting of Chinese Society of Electrochemistry was held on November 6, 2024 in Haikou. More than 40 members of CSE attended the meeting. On the meeting, the works in 2024 was summarized and the work plan for the next year were discussed.

(2) Chinese Scientists actively serves in ISE activities.

Prof. Lin Zhuang as Regional Representatives of China.

Prof. Guobao Xu as Vice Chair in division of Analytical Electrochemistry of ISE committee.

Prof. Jun Cheng as Vice Chair in division of Physical Electrochemistry of ISE committee.

Prof. Shi-Gang Sun, Prof. Bing-Wei Mao and Yan-Xia Chen be in Advisory Board of

Electrochmica Acta.

ISE members of China actively participate in ISE activities, such as voting in the election of the Division officers.

Wei XING

PhD/Professor, Director of Chinese Society of Electrochemistry

Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

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Changchun 130022, P.R. China

Dr. Nadica Ivošević DeNardis  
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Zagreb, August 6, 2025.

## ISE ANNUAL REPORT 2024-2025 (Croatia)

### Memberships

The current number of ISE members in Croatia is 34, the same as last year.

### Activities

#### 14<sup>th</sup> ISE Satellite Student Regional Symposium on Electrochemistry

Two organizers, Ivana Šoić, PhD student at the University of Zagreb Faculty of Chemical Engineering and Technology and Narda Stipanović, PhD student at the Ruđer Bošković Institute, Zagreb organized the **14<sup>th</sup> ISE Satellite Student Regional Symposium on Electrochemistry** on June 27, 2025., in a hybrid format at the Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia. **The event was organized and financially supported under the auspices of the International Society of Electrochemistry (ISE).** The Croatian Society of Chemical Engineers, the Faculty of Chemical Engineering and Technology University of Zagreb and the Ruđer Bošković Institute in Zagreb endorsed the meeting. Sponsors of the 14th ISE Satellite Student Regional Symposium on Electrochemistry were BioLogic, Emus, ReCorrTech, and Labena.

The primary aim of the symposium was to promote scientific communication and networking among young electrochemists, graduate and PhD students by providing a collegial platform for the presentation of their research in the form of oral presentations. The 2025 edition welcomed 25 students from Croatia, Austria, Bosnia and Herzegovina, Slovenia, Serbia and Algeria, who gave presentations from a wide range of electrochemical areas. Topics included: electrochemistry of materials and coatings, corrosion research, electrochemical energy storage and batteries, electroanalytical chemistry, electro-organic synthesis, environmental electrochemistry. Two plenary lectures were given by Nikola Zdolšek and Grgur Mihalinec, whose contributions provided insights into advanced battery technologies and the development of calcium-based solid electrolyte interphases. The three best student presentations were selected and the prize was sponsored by BioLogic: the first prize went to Floren Radovanović-Perić „Design and characterization of electron donating organic semiconductors for photovoltaic application“, the second prize was awarded to Hrvoje Tašner „Correlation of Mass Loading and Active Material Layer Thickness with the Electrochemical Performance of Graphite Electrodes“ and the third place went to Livia Grgurić „Exploring Ca electrolytes based on weakly coordinating anion salts.“ The Book of Abstracts of the 14th ISE Satellite Student Regional Symposium on Electrochemistry has been published (ISBN: 3044-6821).

### Conference participations

In the past period, our ISE members gave presentations to academics, industry and the general public. Croatian ISE members actively participated in various scientific congresses, from basic electrochemistry to applied electrochemistry: 75th Annual Meeting of the International Society of Electrochemistry, Montreal, Canada; 24th European Meeting on Environmental Chemistry, Alicante, Spain; 26th International conference of materials protection and industrial finish KORMAT 2024, Zagreb, Croatia; 1st International

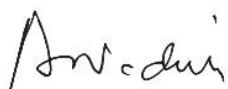
Summer School In Situ Techniques in Preservation of Built Heritage, Ljubljana, Slovenia; 2nd International Scientific Symposium - Interdisciplinary Approach to the Scientific Research of the Adriatic Sea (InspireAdriatic 2025), Zagreb, Croatia; Summer conference of Croatian chemical society, Rijeka, Croatia; 2nd ACDC (Advanced Ceramics in Derivative Configurations) 2025, Zagreb, Croatia; 9th Faculty of Science PhD Student Symposium, Zagreb, Croatia; International Conference Celebrating the 220th Anniversary of the First Theory of Electrolysis by Theodor von Grotthuss, Vilnius, Latvia; 1st International Congress on Sustainable Food, Green Chemistry and Human Nutrition, Zagreb, Croatia; 14<sup>th</sup> ISE Satellite Student Regional Symposium on Electrochemistry, Zagreb, Croatia; 20th International Conference Ružička Days "Today Science – Tomorrow Industry", Vukovar, Croatia; Solutions in Chemistry 2024, Sveti Martin na Muri, Croatia.

### **Popularization of science**

Our members Marijana Kraljić Roković, Jozefina Katić and Grgur Mihalinec actively participated in the Open days organized by the Faculty of Chemical Engineering and Technology University of Zagreb February, 2025), where the electrochemistry laboratory was presented to the public and future students. Marijana Kraljić Roković, Jozefina Katić and Nikola Zdolšek, participated in the Science Week with the workshop Hydrogen, batteries and other stories. The aim of this workshop was to bring science and technology closer to children and young people in an interactive and accessible way. The Science Week was organized by the MUZZA Association in Zagreb from 10 to 13 April 2025.

Our member Nives Vladislavić from the Faculty of Chemistry and Technology, University of Split organized within the project the Scientia2 workshop on scientific research methods with a focus on electrochemical and spectrophotometric techniques for gifted students, April 2024. She also held workshops Antioxidants - biological activity of food, Physical principles behind experimental methods, Scientific approach to project work (October 2023, February-April 2024). Nives Vladislavić participated as a member of the Scientific Committee at the 30th Young Investigators' Seminar on Analytical Chemistry, June 2025. Nives Vladislavić and Ivana Škugor Rončević from the Faculty of Chemistry and Technology University of Split have an active role in numerous workshops for high school students as a member of the Expert Committee and both as mentors of the Center of Excellence for Natural Sciences, respectively. Both organized the workshop Microwave and Ultrasonic Extraction Methods and Analysis of Extracts from Real Samples (with the application of electrochemical and spectrophotometric methods for the determination of antioxidant or reducing activity) April 2025.

Best regards,



Nadica Ivošević DeNardis, ISE Regional Representative of Croatia (2<sup>nd</sup> term, 2024-2026)



**AALBORG UNIVERSITY**  
DENMARK

International Society of Electrochemistry (ISE)

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Date: 02-07-2025

## **ISE Annual Report 2025 (Denmark)**

### **Membership:**

There are presently 16 ISE members based in Danish universities, scattered in different ISE Divisions. The number of members is expected to increase as we see growing interest in electrochemistry science in Denmark.

### **Activities:**

In the 2024 Annual Meeting in Montréal, Canada, there were several contributions (1 keynote talk, 1 oral presentation, 1 poster) from Denmark.

In the coming 2025 Annual Meeting in Mainz, Germany, numerous Danish contributions are expected.

Besides, Elena Ferapontova from Aarhus University serves as one of the Vice Presidents (2022-2024), who is responsible for communication and external relationships.

At the website of Danish Electrochemistry Society, key research groups focusing on electrochemistry are recently mapped (<https://www.electrochemistry.dk/links>).

### **Future activities:**

The annual meeting of Danish Electrochemistry Society is scheduled on 6-7 November 2025 in Lyngby. The estimated number of attendees is 50. As the organizer of the event, and also the ISE Regional Representative, I will try to get more ISE members involved in the event. We will also try to get the sponsorship from ISE.

A handwritten signature in blue ink that reads "Xinxin Xiao".

Xinxin Xiao

ISE Regional Representative of Denmark

## ISE ANNUAL REPORT 2025 – ESTONIA

### Membership

The current status of the membership from the Estonia is 23 members (according to the member directory), four of those being student members. The membership has remains stable during last two years with 25 members reported in 2023. Estonian members are represented in all 7 of ISE Divisions with their interests in the activities of the different ISE Divisions are as follows (one person has not expressed specific preferences):

Division 1: Analytical Electrochemistry; 5 members  
Division 2: Bioelectrochemistry; 2  
Division 3: Electrochemical Energy Conversion and Storage; 17  
Division 4: Electrochemical Materials Science; 16  
Division 5: Electrochemical Process Engineering and Technology; 6  
Division 6: Molecular Electrochemistry; 2  
Division 7: Physical Electrochemistry; 11

### Activities

Estonian research community is actively engaging in electrochemistry related research in almost all major Universities of the country. In recent years, several new startup companies have emerged, mostly grown from the research done at universities, that specialise in the electrochemistry field, e.g. for green hydrogen production, different fuel cell technologies and developing or reusing materials. In the year 2025 (by September), Estonia did not host any major international conference. However, the members are actively participating and presenting at ISE meetings, including annual, topical and sponsored ones. For instance, more than 10 members are expected to attend the 76th Annual Meeting in Mainz (Germany), meaning that around 50% of all members will be present.

### Outlook and future

Almost all members are from University of Tartu; however, further efforts should be made to introduce the Society and its events to industry specialists and researchers at other Estonian research institutions who contribute to the field of electrochemistry. Further engagement of student members should be also facilitated. The current members have shown interest to continue participating in the ISE conferences if possible, including far away one in Australia in 2026.

Sincerely,  
Jaana Lilloja, PhD  
Regional Representative of Estonia & Research Fellow  
Institute of Chemistry, University of Tartu  
Estonia



## Dr Olivier BURIEZ

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## ISE ANNUAL REPORT 2025 – FRANCE

### ISE Membership

The number of ISE active members within France is currently **216**. This number is in line with previous years (220 in 2020; 210 in 2023; 226 in 2024).

### Activities

As in previous years, the French community remained very active in organizing events to promote electrochemistry. In 2025, the following conferences were supported and sponsored:

#### 1- XVIII<sup>th</sup> conference of the French Group of Bioelectrochemistry

**Dates:** 13-17 January 2025

**Location:** Autran

**Organizers:**

For the conference: Fabien Giroud (ISE member), Elisabeth Lojou (ISE Past-Chair Division 2), Frédéric Barrière, Florence Lagarde (ISE member), Julien Vieillard, Alan Le Goff (ISE member), Nathalie Paniel, Mathieu Etienne (ISE member), Benoit Piro, Stephane Marinesco (ISE member), Stephane Arbault (ISE member).

For the winter school: Frédéric Lemaitre, Sophie Griveau, Vincent Noël

The French bioelectrochemistry group has been promoting international research and innovation in bioelectrochemistry for 30 years. As with previous editions, the aim of this conference was not only to develop the bioelectrochemistry network between French-speaking countries, but also to train young researchers in bioelectrochemistry and to strengthen the synergy between junior and senior researchers.

The originality of this conference lies in the fact that a wide range of areas are covered including: Proteins (Photo)Electrochemistry and Biomimetic; Modified Electrodes and Biosensors; Development of biochips and integrated systems; In situ and operando Bioelectrochemistry; Bioelectrosynthesis; Electrochemistry of Cells and Tissues; Biofilms and Biocorrosion.

For the first time, the conference included a two-day winter school in addition to the conference on three important topics: 1/ Electrochemical simulation and modeling; 2/ Electrochemical methods.

"Basics" in relation to bioelectrochemistry; 3/ Biosensors and Bioelectrocatalysis, Bioenergy - the essentials.

Three funding were obtained from Divisions 1 & 2 as well as from ISE France.

## 2- Workshop on Aqueous Organic Redox Flow Batteries

**Dates:** 24-25 April 2025

**Location:** Paris

**Organizers:** Emmanuel Baudrin (University Picardie Jules-Verne, Amiens, FR), Mathieu Etienne (CNRS, Nancy, FR - ISE Member), Florence Geneste (CNRS, Rennes, FR - ISE Member), Guillaume Jeanmairet (CNRS, Paris, FR), Steven Le Vot (University of Montpellier, FR - ISE Member), Olivier Ouari (University Aix-Marseille, FR), Laura Reithel (CNRS, Toulouse, Fr), Maïwenn Souêtre (CNRS, Paris, FR).

The first edition of this new Workshop focused on best practices for determining performance metrics, including capacity, energy, and power, during the early development stages of new chemistries. It also addressed methodologies to assess the stability of organic redox active materials, taking into account degradation mechanisms and projected lifetimes.

The workshop had the ambition to bring together the whole community working on Aqueous Organic Redox Flow Batteries, at various research and development stages from fundamental research to prototypes. It covered the following topics:

❖ Exploration of new chemistries ❖ Examination of stability of organic redox active materials ❖ Accelerated ageing tests for promising chemistries and materials ❖ Scaling up processes ❖ Industrial feedback ❖ Development of prediction tools ❖ State of Charge (SOC) and State of Health (SOH) determination ❖ New technologies (redox targeting, hydrogen production, CO<sub>2</sub> reduction, etc.).

### Key Lecturers:

- Mickael J Aziz (Harvard University, USA)
- Fikile R. Brushett (MIT, USA)
- Florence Geneste (CNRS, France)
- Solène Guiheneuf (Kemiwatt, France)
- Cristina Iojoiu (CNRS, France)
- Pekka Peljo (Aalto University, Finland)
- Ulrich Schubert (Friedrich Schiller University Jena, Germany)
- Edgar Ventosa (Burgos University, Spain)

A funding was obtained from Division 3.

## 3- ElectNano (11<sup>th</sup> edition)

**Dates:** 5-7 May 2025

**Location:** Angers

**Organizers:** Tony Breton (Chair – ISE member), Christelle Gautier (ISE member), Charles Cougnon (ISE member), Maxime Pontié, Maïténa Oçafrain.

The major goal of this conference is to cover the state of the art regarding on-surface chemistry for nanoscale electrochemical phenomena. This year, a special emphasize was made on surface

modification, nanostructured materials and characterization at the nanoscale for electrocatalysis, analysis, molecular and nano electronics, (bio)-sensors, energy conversion, storage and corrosion.

**Invited Plenary Speakers:**

**W. Wang** (Nanjing University, China)

**J. McPherson** (University of Warwick, UK)

**S. Sherevko** (Helmholtz Institut, Germany)

**A. Merkoci** (ICREA, Barcelona, Spain)

Two funding were obtained from Divisions 1 & 3

**4. International Fischer Symposium (IFS 2025) -This symposium was organized jointly by German and French colleagues**

**Dates:** 15-19 June 2025

**Location:** Kloster Seeon (Germany)

**Organizers:** Prof. O. M. Magnussen (Kiel University, Germany – ISE Member), Prof. Kritina Tschulik (Ruhr University, Bochum, Germany - ISE Member) and Prof. P. Allongue (Ecole Polytechnique, Palaiseau, France - ISE Member)

IFS is held every 3 years. It is a 4 days Gordon style conference where the latest works in electrochemistry are traditionally discussed in relation with other fields of science in an interdisciplinary approach. IFS 2025 solicited fundamental and applied contributions on all aspects of nanometer scale electrochemical phenomena, including but not limited to:

- Structure and dynamics of electrochemical interfaces
- Catalysis, electrochemical energy conversion and storage
- Electrodeposition
- Corrosion, passivity, and oxide films
- Bioelectrochemistry and functionalized electrodes
- Operando techniques
- Studies of single molecules and nanoscale objects

**Key Lecturers:** Matthias Arenz (Uni. Bern, Switzerland), Mira Todorova (MPI for sustainable materials in Bochum, Germany), Kaoruho Sakata (KEK, Tsukuba, Japan), Katharina Dobhoff-Dier (Leiden Uni. NL) David Fermin (Bristol Uni., UK), Wei Ding (Chongqing University, China), Marc Koper (Leiden Uni., NL), Elena Savinova (Strasbourg Uni., France), Marc Robert (Sorbonne Uni., Paris, France), Steven Maldonado (Michigan Uni., USA), Arjan Mol (TU Delft, NL), Peng Chen (Cornell Uni., USA), Andrew Akbashev (Paul-Scherrer Institute, Switzerland), Christopher Kley (Fritz Haber Inst., Berlin, Germany) Susana Torresi (IQ-Uni. Sao Paulo, Brazil).

A funding was requested from Divisions 2, 4 or 7.

**Future Events**

**1- CNRS-Africa Residential Research Schools HELIOS**

**Dates:** July 20<sup>th</sup> – August 3<sup>rd</sup> 2025

**Location:** Lome (Togo)

**Organizers:** Yaovi HOLADE (ENSC Montpellier, University of Montpellier, ISE Member) - Teko W. NAPPORN (University of Poitiers, ISE Member) - Boniface KOKOH (University of Poitiers, ISE Member)

- Emmanuel MAISONHAUTE (Sorbonne Université, France) - Dodzi ZIGAH (University of Poitiers, France) - Karine SERVAT (University of Poitiers, France) - Tomkouani KODOM (University of Lomé, Togo)

This summer electrochemistry event is organized in Africa by French colleagues to train scientists in low-tech methods/technologies, and specifically to help low-income graduate students pursue STEM degrees and careers, and specifically in electrochemistry. As part of the training and research activities in electrochemical sciences that the Organizers are carrying out with a small group towards Africa, they are organizing a residential summer research school in Africa at the University of Lomé in Togo.

It is dedicated to issues related to leveraging electrochemistry, photo-electrochemistry and photocatalysis for biomass valorization, water treatment and energy, with a focus on young women, who will represent at least 40% of the personnel trained on these topics. The CNRS (French National Center for Scientific Research) partly finances this residential research school, but this is not enough to cover all the costs, including travel, accommodation and meals for trainers and students during the two weeks for 67 participants from France and six French-speaking sub-Saharan African countries (Togo, Benin, Cameroon, Côte d'Ivoire, Gabon and Senegal). Note that 82% of the participants are from African countries. The school also offers training in scientific ethics and integrity, as well as guidance from experienced scientists in preparing competitive research proposals and writing scientific articles. The goal is to equip African colleagues and graduate students in STEM and specifically electrochemical sciences with the tools they need to better respond to local societal challenges, while contributing to local training needs in the areas of energy, environment, and health.

Scope of the School: Electrochemistry and electrocatalysis: basics and applications – Photo-electrocatalysis: basics and applications - Electrochemical impedance spectroscopy: fundamentals and applications - Electrochemical energy conversion and storage systems - Depollution by electrochemical processes - Photocatalysis: basics and applications - Transforming waste into high value-added materials - Writing projects and research articles - Training in ethics and scientific integrity

**Key Lecturers:** Dr. Holade Y. (Associate Professor, IEM Montpellier), Dr. Napporn T., CNRS Research Director at IC2MP (University of Poitiers), Prof. Kokoh B. (Professor at IC2MP, University of Poitiers), Prof. Zigah D. (Professor at IC2MP, University of Poitiers), Prof. Maisonhaute E. (Professor at Sorbonne University), Dr. Bechelany M. (CNRS Research Director at IEM), Prof. Miele Ph. (Professor at the IEM at ENSCM, Montpellier), Dr. Guesmi H. (CNRS researcher at ICGM), Dr. Remita H (CNRS Research Director at ICP, Université Paris-Saclay), Dr. Servat K. (Senior Lecturer at IC2MP, University of Poitiers), Dr. Kodom T. (Senior Lecturer in Water and Environmental Chemistry at the University of Lomé (Togo)), Dr. Tchakala I. (Senior Lecturer in Environmental Chemistry at the University of Lomé (Togo)), Dr. Yaya-Nadjo I. (a lecturer and researcher at the École Supérieure des Métiers des Énergies Renouvelables (Benin)), Prof. Tonle Kenfack I. (Professor at the University of Dschang (Cameroon)), Dr. Douti D.-Bé L., (a lecturer and researcher in optics-photonics at the University of Kara (Togo)), Prof. Aina Martin P. (Professor at the Institut National de l'Eau of the University of Abomey Calavi (Benin)).

Two funding were obtained from Divisions 3 & 7.

## **2- Workshop on “Biohybrid Systems: From Fundamental Understanding to Applications” (RedoxShields)**

**Dates:** Sept 15-16th, 2025

**Location:** Marseille

**Organizers:** Christophe Léger (BIP, CNRS, AMU - ISE member, div. 2), Jalila Simaan (IsM2, CNRS, AMU), Vincent Fourmond (BIP, CNRS, AMU), Nicolas Plumeré (TUM - ISE member, div. 2).

Biohybrid systems where enzymes are integrated with artificial materials, have been extensively explored to deepen the understanding of enzymatic function and to enhance their compatibility for practical applications. These systems incorporate a wide range of enzymes, including natural, artificial, engineered, chimeric, and de novo enzymes, and are coupled with diverse artificial materials such as electrodes, photosensitizers, synthetic catalytic systems, hydrogels, liposomes, and nanoparticles. Applications span across sensing, energy conversion, and electrosynthesis.

This workshop will focus on the latest advancements in electrochemical, spectroscopic, and modeling tools that provide mechanistic insights into these interactions. Additionally, novel strategies for designing and constructing biohybrid systems will be explored

**Key Topics:**

- Enzymes specifically engineered for biohybrid applications.
- Strategies for wiring multi-enzyme systems to enable efficient electron transfer.
- Replacement of natural cofactors (NAD(P)H, ATP) with artificial systems.
- Understanding confinement effects on multienzyme reactions in controlled environments.
- Development of chimeric systems to investigate reaction mechanisms or combine desirable enzymatic features.
- Biohybrid light-driven systems for harvesting energy and extracting electrons.
- Encapsulation and protective matrices to enhance the robustness of fragile enzymes.

**List of expected principal lecturers :**

- Inês Pereira, ITQB, New Univ. of Lisbon, Portugal
- Leigh Aldous, National Taiwan University
- Jenny Zhang, Cambridge University, UK
- Clare Megarity, Manchester Univ., UK
- Scott Calabrese Barton, Michigan State Univ., USA,
- Moritz Kühnel, University of Hohenheim, Germany
- Thierry Tron, CNRS, AMU, Marseille, F
- Bertrand Reuillard, UGA, CEA, Grenoble
- Alan Le Goff, UGA, CNRS, Grenoble, F
- Yutaka Amao, Osaka Metropolitan University, Japan
- Leonardo Castaneda, Cambridge, UK
- Jinrong Zhang, CNRS, Marseille, F
- Tara Lurshay, from Hydregen, UK

A funding was obtained from Division 2.

July 9, 2025  
Dr Olivier BURIEZ  
ISE Regional Representative for France (2023-2025, 1<sup>st</sup> term)  
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ISE Report 2024-25; Region Germany

Magdeburg, 06. August 2025

## Membership:

Number of members increased compared to previous years: **313 in 2025** in comparison to **288 in 2023** (295 in 2022, 289 in 2021, 290 in 2020, 283 in 2019, 267 in 2018).

## Activities in ISE:

- Annual Meeting 2025 is being organized by Germany (chairs: Gunther Wittstock, Ulrike Krewer, local organizer: Siegfried Waldvogel)
- Katharina Krischer served as President (2023-2024) and serves currently as Immediate Past President (2025-2026), Sonia Dsoke is Chair of Division 3, Katrin Domke is Past Chair of Division 7
- German members organized different symposia at the ISE annual meeting in 2024 (S4 Fred Lisdat, S5 Dominic Bresser, S7 Michael Eikerling, S13 Olaf Magnussen, S14 Fatwa F. Abdi).
- Hubert Gasteiger, serves as Member of the Fellows Nominating Committee (2023-2027)

## Awards

- J. Heyrovsky Prize for Molecular Electrochemistry in 2025 goes to Robert Francke for his contributions in the area of electrosynthesis

## Organisation of ISE-Sponsored Meetings

- **19<sup>th</sup> International Conference on Electroanalysis** 23.7.-26.7.2024, Ulm, Germany, <https://www.uni-ulm.de/nawi/eseac-2024> Organisers: Fred Lisdat, Christine Kranz
- **3<sup>rd</sup> Gerischer-Kolb Symposium** 16.10.2024 – 19.10.2024, Schloss Reisensburg, Günzburg, <https://www.gerischer-kolb.de/gks3/>, Organisers: Timo Jacob, Ludwig A. Kibler
- **17. Dresdner Sensor-Symposium** 25.-27.11.2024, Dresden, Germany, <https://dechema.de/dss17.html>, Organiser: Kristina Böhlandt-Brandes DEchema e.V.
- **Electrochemistry 2024**, 16. 09. 2024 - 19. 09. 2024, [https://veranstaltungen.gdch.de/microsite/index.cfm?l=11580&sp\\_id=2](https://veranstaltungen.gdch.de/microsite/index.cfm?l=11580&sp_id=2) organisers: Mehtap Özaslan and Frédéric Hasché
- **International Fischer Symposium** 15.06 -19. 06 2025, Kloster Seeon, Germany, <http://www.fischer-symposium.org/> Organisers: Philippe

Allongue, Olaf Magnussen and Kristina Tschulik (jointly organized by regional sections of France and Germany)

#### Organisation of ISE 2025 satellite meeting

- **3<sup>rd</sup> Symposium on Insights into Gas Diffusion Electrodes: From Fundamentals to Industrial Applications & Beyond the OER**, 02.09-04.09. 2025cBerlin, Germany, <https://www.mpi-magdeburg.mpg.de/gde2025>, Organizers: Tanja Vidakovic-Koch, Wolfgang Schuhmann, Thomas Turek
- **Electrifying Organic Synthesis - From Alternative Synthetic Access to Greener Production Methods**, 3-9-2025 until 5-9-2025, Mülheim, Germany, <https://ISE-EOS2025.cec.mpg.de>, Organisers: Robert Francke, Sebastian Beil
- **ELectroLytes and Interfaces in PoSt-Li BatteriEs**, 15.09.2025-16.09.2025, Ulm, Germany, <https://www.postlithiumstorage.org/de/> Organiser: Dominic Bresser

#### General situation in Germany:

Different activities across different areas of electrochemistry (batteries, water electrolysis). Significant activities beginning also in electrosynthesis of chemicals, also with respect to use of renewable resources (for example new anode oxidation reactions) or waste (CO<sub>2</sub>RR). Due to strong developments in different areas of electrochemistry, interest in young professionals in this area is also increasing. In last years several master program of studies dedicated to electrochemical technologies (mainly batteries, but also electrochemical process engineering) have been established.

Yours sincerely,



Tanja Vidakovic-Koch

Then Indian Society for ElectroAnalytical Chemistry (ISEAC) has closely worked with International Society of Electrochemistry (ISE) in promoting the electrochemical science and technology in India across various academic institutes and industries. We have participated in one conference at VIT Vellore, the details of the conference along with couple of related photographs are attached as below.

Prof. A K Satpati  
Regional Representative, India

### Inaugural Session



**Inaugural Session:** The conference brochure was circulated and preparation began with a call for abstracts. The conference was honored to host three plenary sessions, twenty-nine invited lectures, seventy-one research papers, and eighty attendees a total of 193 participants. The enthusiastic response from distinguished scientists has heightened our anticipation. In the wake of dwindling natural sources and increasing concern over climate change, this conference supports young electrochemists and provides a forum for the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted towards the development of green and sustainable technology. The conference was also supported by sponsors DST- SERB, BARC, ISE, American Chemical Society (ASC), Springer, Institute of Physics (IOP), Park Systems, Metrohm, Swan Scientific, Sinsil International, Zensor R&D, and Classone systems for their generous support. The research work will be submitted and peer-reviewed and accepted manuscripts will be published in a special issue for the Journal of IOP Nanotechnology (I.F 3.1), with the Journal of Nanotechnology (IOP, #IF 3.1) and Journal of Solid State of Electrochemistry (Springer, # IF 2.7). The conference kit was provided to all the participants and included a bag consisting of a pen, phone stand, Dairy, and Pen. After the inaugural ceremony, the conference started with a plenary lecture followed by parallel technical sessions. The technical sessions of 45 minutes duration consisted of 30 Invited talks by Indian and international speakers, who are experts in the domains of electrochemistry, followed by Q&A and discussion. There were also 22 oral and 49 poster presentation sessions in which the participants presented their research works. Each participant was given 10 minutes to present and was followed by a Q &A session. We started the conference on 08th February 2024, during the inauguration we had the chief guest Dr. A. K. Nayak, Head, Nuclear Controls and Planning Wing (NCPW), BARC, Mumbai and the valedictory function happened on February 10<sup>th</sup>, 2024, Dr. K. Ramesha, Director of CSIR Central Electrochemical Research Institute (CECRI), Karaikudi, graced the occasion as the chief guest during the valedictory.

Day 1<sup>st</sup> 8<sup>th</sup> February 2024 (Thursday) The first day of the conference (8 th Feb 2024) commenced with registrations going on in full swing at the registration desk, followed by the lighting of the lamp. The dais was shared by Dr. A. K. Nayak, Head, Nuclear Controls and Planning Wing (NCPW), BARC, Mumbai chief Guest of the conferences were Dr A.K. Shukula, Honorary Professor, IISc, Bangalore Prof. Christopher Brett, University of Coimbra, Portugal and Prof. Ana Maria Oliveira Brett, University of Coimbra, Portugal and Dr A.K. Satpati, Secretary, ISEAC, BARC, Mumbai. The welcome address was conveyed by Dr. Annamalai Senthil Kumar Convener, IC-FMFT 2023. The Book of Abstracts was released by Dr. Partha Sharathi Mallick Pro-Vice Chancellor, Vellore Institute of Technology and Dr. Jayabarathi T, Registrar, VIT, Vellore, and the first copy was received by Dr. A. K. Nayak, Head, Nuclear Controls and Planning Wing (NCPW), BARC, Mumbai. He addressed the audience on radioactive resources and their potential application towards future technology and wished the organizers to conduct an event of this successfully. The first plenary lecture was conducted by Dr. A. K. Nayak, Head of the Nuclear Controls and Planning Wing (NCPW), BARC, Mumbai. His topic of the lecture was “Climate change-Imperative of Nuclear Power for an Ambitiously Growing India and The Radiation Phobia”, where he addressed the audience on radioactive resources and their potential application towards future technology, and wished the organizers to conduct the event successfully. The next plenary lecture was presented by Dr. A.K. Shukula, Honorary Professor, IISc, Bangalore, “Fueling Future Cars Sustainably”, with emphasis on

batteries, fuel cells, electrochemical supercapacitors, and solid Ionics. Followed by Prof. Christopher Brett, University of Coimbra, Portugal, for the third plenary lecture on “Sensor and Biosensor Modified Electrode Platforms and the Role of Binary and Ternary Deep Eutectic Solvents”. His lecture stressed more about electroactive polymer films, nanomaterial-modified electrodes, and enzyme biosensors. Thereafter, the invited lectures were delivered as parallel sessions in two separate auditoriums; VOC Gallery (TT 2nd Floor), & Ambedkar Auditorium (TT Ground Floor). The first invited lecture 1 was delivered by Prof. Ana Maria O Brett, University of Coimbra, Portugal, on the topic “Electrochemical Sensing of Proteins and Biomolecules”. The invited lecture 2 was on the topic “Electrochemistry of Biomaterials and Materials for Electrochemistry”, conducted by Prof. S. Sampath, Department of Inorganic and Physical Chemistry, IISc, Bangalore. The invited lecture 3 was conducted by Prof. M.V. Sangaranarayanan, Department of Chemistry, IIT, Madras, on the topic “Chemically Modified electrodes-Charge Transport and Analytical Applications”. The invited lecture 4 was presented by Prof. K. Chandrasekara Pillai, former professor and Head Department of Physical Chemistry, University of Madras, on the topic “Information on Configuration of Absorbed Organics on Electrode Surface from Electrochemical First Principles”. The invited lecture 5 was on the topic “Enhancement in PEC Efficiency through Modification of Surfaces in Bismuth and Hematite”, given by Prof. Ashis Kumar Setpati, Homi Bhabha National Institute, Anushaktinagar. The invited lecture 6 was conducted on the topic ‘Upending Current Ammonia Synthesis Method’, By Prof. Kothandaraman Ramanujam, Department of Chemistry, IIT Madras. The session 1 commenced by the Tea break, followed by the session 2 parallelly held. The invited lecture 7 was conducted by Prof. Magesh Sundrarajan, BARC, Mumbai, on the topic “Counter-ions Are Redox Non-Innocent: A Computational Viewpoint”. The invited lecture 8 was conducted by Prof. M. Sathish, principal scientist, CSIR-CLRI, Karaikudi, On the topic “Supercapacitor Electrode Materials: Challenges and Opportunities towards High Energy Storage”. Hereafter, the session 2 was commenced with the six oral presentations given by the registered students. The day ended with a cultural programme performed by VIT student chapter followed by a special dinner.

Day 2<sup>nd</sup> - 9<sup>th</sup> February 2024 (Friday) Second day session was started with invited lecture 9 by Prof. M. Gabriela Almeida, NOVA School of Science and Technology, Universidade Portugal, on the topic “Pains and Gains in the Real-World Application of Electrochemical Biosensors: The Case Study of a Nitrite Biosensors”. The invited lecture tenth was presented by Prof. V. Lakshminarayanan, RRI, Bangalore, on the topic “Nanostructured Functional Thin Films Prepared in Deep Eutectic Solvents for Electrocatalysis”. The eleventh invited lecture was given by Prof. Ramaswamy Ramaraj, School of Chemistry, MKU, Madurai, on the topic “Nanostructured Materials Modified Electrodes for Energy Conversion, Environment Remediation and Sensors”. The twelfth invited lecture was presented by Prof. I.R. Garduno-Ibarra, CNRS Researcher, France, on the topic “Electrolysis of Biomass for the Production of Green Hydrogen and Decarbonized Chemicals”. The thirteenth invited lecture was conducted by Prof. Saurav Kumar Guin, Chemistry Department, National University of Ireland Maynooth, Maynooth, Ireland, on the topic “A Simple and Rapid Electroanalysis of Nutritionally Important Monosaccharide in Complex Food Matrix”. The fourteenth invited lecture “LanthanideMOFs and chalcogenide-based materials for electrochemical energy storage”, was presented by Prof. G. Ranga Rao, IIT, Madras. After a Short Tea Break, Session four invited lecture 15 was conducted on the topic “Rare earth metal oxyhydroxides for applications in photocatalysis”, Prof. S. Zh. Karazhanov, IET, Norway. The next invited lecture was on the topic “Research Progress in the Development of Counter Electrode Materials for DSSC”, by Prof. Subramania Angaiah, PU, Pondicherry. The invited lecture 17th was given on topic, “Opportunities On in-situ Generated Co-reactants for Electrochemiluminescence”, by Prof. S. Senthil Kumar, CSIR-CECRI,

Karaikudi. The next invited lecture was on the topic “Towards Ecofriendly Redox-Electrodes for Green Electrochemical Applications”, Prof. Annamalai Senthil Kumar, VIT, Vellore. After the lunch break the invited lecture 20 was on the topic “Theory for Diffusion and Migration Admittance at Rough and Fractal Electrodes”, by Prof. Rama Kant, DU, Delhi. The invited lecture 21 was on the topic “Bioelectrochemistry and Biomimetic Electrochemistry – A Celebration at the Interfaces”, Prof. V. Ganesh, CSIRCECRI, Karaikudi. The invited lecture 23 on the topic “Electrochemical Detection of DNA Biomarker at Modified Electrodes”, Prof. Venkataraman Dharuman. The day 2 was wrapped up with local visit to Vellore Fort followed by dinner.

Day 3rd - 10th February 2024 (Saturday) The invited lecture 24 on the topic “Integrated Microbial Fuel Cells (MFCs) for Fresh Leachate Valorization”, by Prof. Gunda Mohanakrishna, KLE, Hubballi. The invited lecture 25 was on the topic “Metal Oxides, Nitrides and Carbides Based Nanostructures Synthesized by Diverse Techniques as High Specific Capacitance Supercapacitors”, by Prof. Chinnuswamy Viswanathan, Bharathiyar University, Coimbatore. The invited lecture 26 was on the topic “Metal Organic Frameworks (MOFs) Based Composites and their Application in Electrochemical Sensing of Biomolecules at Trace Level” by Prof. Pandurangappa M, BU, Bangalore. The invited lecture 27 was on the topic “Unravelling the Electrochemical Performances of Metal Hetero-Interfaces toward Overall Water Splitting and for Energy Storages”, Prof. Selvaraju Thangavelu, Bharathiyar University, Coimbatore. The invited lecture 28 was on the topic “Electrocatalytic Reduction of CO<sub>2</sub> Based on Metal-free Carbon Nanomaterials”, by Prof. K. Pandian, University of Madras, Chennai. The invited lecture 29 was on the topic “Microbial Electrochemical Systems: Advances and Emerging Applications”, by Prof. S Venkata Mohan, Chief Scientist, CSIR-IICT, Hyderabad. The invited lecture 30 was on the topic “Li-ion batteries: Innovations and Indigenization This session ended with a Tea Break followed by the poster presentation session in Foodys. Following the lunch break, the last six oral presentations by the registered candidates was conducted. After the oral presentation invited lecture 30 was on the topic “Li-ion Batteries: Innovations and Indigenization”, by Prof. K. Ramesha, Director CSIR-CECRI, Karaikudi. The event was completed in the evening with the valedictory ceremony. The dias was shared by Dr. K. Ramesha Director, CSIR-CECRI, Karaikudi, Chief Guest of the conference Prof. M. Gabriela Almedia, NOVA School of Science and Technology, Portugal Dr. Philippe Vernoux, Lyon, France are Guest of Honour and by our Registrar, Dr. T. Jayabarathi. Welcome Address by Dr. G. Velvizhi, VIT, Vellore followed by felicitation of guest. Introduction of Chief Guest was by Dr. J. Ranjitha, VIT, Vellore. Dr. K. Ramesha Director, CSIR-CECRI, congratulated the team for the success of the electrochemistry conference focusing on the Environment, Health and Industry. This was followed by the awards ceremony, which 18 Best Posters and Best Oral Presentation awards were presented. The consolidated report of the 3-day conference and Vote of Thanks was presented by Dr. Annamalai Senthilkumar, the Convener of EIHE-2024.



### General Photograph





General Photograph





### Valedictory Function





## ISE Annual Report 2024-2025 – Italy

**ISE membership.** The total number of members (including renewals and new recruits) is 212, representing a 12% increase compared to last year. The distribution of memberships across the Divisions remains generally consistent, with Division 3 being the most preferred as the first choice, followed by Division 4 as the second choice, and Division 5 as the third.

If we take into account multiple affiliations (i.e., considering all division choices expressed by each member), the distribution is as follows:

- Division 1: 50 members
- Division 2: 37 members
- Division 3: 144 members
- Division 4: 121 members
- Division 5: 51 members
- Division 6: 36 members
- Division 7: 37 members

Divisions 3, 4, and 7 have increased their appeal by 23%, 16%, and 19% respectively. In contrast, Divisions 2 and 6 have seen a decline of 8% and 10%, respectively, while Divisions 1 and 5 show a smaller decrease of 6% and 7%.

Division	First Choice	Second Choice	Third Choice
D1 (Analytical Electrochemistry)	25	15	10
D2 (Bioelectrochemistry)	14	14	9
D3 (Electrochemical Energy Conversion and Storage)	110	20	14
D4 (Electrochemical Materials Science)	26	73	22
D5 (Electrochemical Process Engineering and Technology)	11	8	32
D6 (Molecular Electrochemistry)	21	7	8
D7 (Physical Electrochemistry)	3	15	19

### Participation to ISE operative bodies.

- Monica Santamaria (University of Palermo) ISE Treasurer (2023-2025)
- Francesca Soavi (University of Bologna) ISE Secretary General (2024 - 2026).
- Carlo Santoro (University of Milan Bicocca) Chair Elect of Division 2 (Bioelectrochemistry)
- Vito di Noto (University of Padova) Chair of Publication Committee (2023-2027)



**Sponsored Meetings.**

Several national and international Meetings (in presence) have been sponsored by ISE and by Regional funds, and the request for the forthcoming Meetings has already been accepted.

- Summer Electrocatalysis School 2023 ELCATS2025, Trento, 31/08-5/09/2025
- Giornate dell’Elettrochimica Italiana 2025 (GEI2025), San Benedetto del tronto, 15-19/09/2025
- Autumn meeting for young chemists in biomedical sciences – AMYC-BIOMED 2025, Palermo, 23-25/06/2025
- 1st Joint Conference of “Gruppo Interdivisionale di Chimica per l’Accumulo e la Conversione Elettrochimica dell’Energia” – GISEL, Padova 21<sup>st</sup>-23<sup>rd</sup> July 2025.
- Waste-Energy-Water Nexus: Materials & Processes, Rimini, 15-16 July 2025
- Educational learning modules on Li-ion batteries - ELMO-LION PhD Educational summer school (ELMO-LION), Padova 28/07 – 1/08, 2025
- International School of Electrocatalysis – ISECAT2025” of the “Interdivisional Group for the Electrochemical Conversion and Storage of Energy, Padova 23-25/07, 2025



### **ISE-related Activities.**

The workshop Waste-Energy-Water Nexus: Materials & Processes - WEW 2025 was organized by Antunes Staffolani and Francesca Soavi and that was held on July 15th and 16th, 2025, in Rimini and Marina di Ravenna. (<https://eventi.unibo.it/waste-energy-water-nexus-ics/about-wew>). A total of 78 world-class researchers and technologists, representing leading laboratories in the field, attended WEW 2025 and shared their latest advances and breakthroughs. Up to 39 presentations were delivered as oral and poster contributions, the 51 % from female scientists. Participants represented China, South Africa and 21 Italian Universities and Research Centers.

### **Relevant national activities.**

**The Luisa Peraldo Bicelli Prize** aims to recognize young Italian scientists who have distinguished themselves through outstanding basic or applied research in any area of Electrochemistry. This year, the award was presented to an internationally renowned scientist, **Dr. Paolo Bollela** (Luisa Peraldo Bicelli Prize), from the University of Bari Aldo Moro.

**The Electrochemistry Division of the Italian Chemical Society (Società Chimica Italiana)** annually awards three prizes for the best PhD theses in the field of electrochemistry, as well as three prizes for outstanding Master's theses. This year, an additional PhD prize was awarded in memory of **Prof. Bruno Scrosati**.

### **PhD Thesis Awards**

**Division of Electrochemistry Award in memory of Prof. Bruno Scrosati** *Claudio Maria Pecoraro*, University of Palermo "Combined biomass valorization and hydrogen production in (photo)electrochemical cells"

- **"Fondazione Oronzio e Niccolò De Nora" Award** *Roberto Baretta*, University of Padua "Electrochemically Powered Dissipative Materials"
- **"Fondazione Oronzio e Niccolò De Nora" Award** *Sara Ferrara*, Technical University of Munich (TUM) "Application of Artificial Fluorescent Proteins in Bio-Hybrid White Light Emitting Diodes"
- **"Engitec Technologies" Award** *Mohsin Muhyuddin*, University of Milano-Bicocca "Low-Cost Platinum Group Metal-Free Electrocatalysts for Hydrogen Evolution Reaction and Oxygen Reduction Reaction"

Master's Thesis Awards

- **"Thasar" Award** Stefano Gianvittorio, University of Bologna "Development of Reagentless Biosensors Based on Alkaline Phosphatase Enzyme"
- **"Metrohm Italiana" Award** Antonella Rosati, University of Padua "Synthesis of Nanostructured Copper-Based Catalysts for the Electrochemical Reduction of CO<sub>2</sub> Combined with the Design of Experiments Approach"
- **"Photo Analytical" Award** Daniele Motta, University of Turin "Multi-Technique Investigation of Polyol-Based Deep Eutectic Solvents as Innovative and Sustainable Electrolytes in Electrochemical Energy Storage Devices"

The awardees will present their thesis work on **September 15, 2025**, during the **GEI 2025 Conference**.

- August 5th, 2025

Prof. Christian Durante  
Professor of Physical Chemistry  
Electrocatalysis & Applied Electrochemistry Group (EAEG)  
Department of Chemical Sciences  
University of Padova  
<https://www.facebook.com/electrocatalysis/>



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Vilnius, 2025-06-27

## Report of the ISE Regional Representative for Lithuania / 2025

### ***Membership***

According to Member Directory of ISE, the number of members in Lithuanian ISE regional group is 33, which is almost the same as last year (32 members in 2024). Most of the members come from academia. Efforts to sustain the current level of membership as well as to recruit new members continue.

### ***Activities***

Members of the regional group were involved in the organization of International Conference Celebrating the 220th Anniversary of the First Theory of Electrolysis by Theodor von Grotthuss (Part of the CCT-2025 Series), which took place on June 4-6, 2025 in Vilnius and was sponsored by ISE. Please refer to Post-conference report, which is provided together with this one.

Sincerely,

ISE Regional Representative, Lithuania



Jurga Juodkazytė

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Assistant Professor  
Electrocatalytic Synthesis and Electrochemical Interfaces



05/08/2025

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**Subject: Report on Electrochemical Activities and Regional Section Developments**

**Period: August 2024 – August 2025**

Dear Colleagues,

I am sending the report about electrochemical activities and activities of the Regional Section in the last year (August 2024 to August 2025).

### 1. Membership Growth

The number of ISE members affiliated with the Netherlands has increased over the past year. As of August 2025, there are 89 members listed in the ISE member directory, compared to 68 in August 2024—an increase of 21 members. This reflects a growing interest in electrochemistry within the Netherlands. Efforts are ongoing to sustain this growth by encouraging continued membership and recruiting new members.

### 2. Regional Activities and Funding

The Netherlands Regional Section did not organize or support any conferences, events, or activities during the reporting period. This is due to the depletion of regional funds, which were fully utilized in 2023 to sponsor the 3rd ECCM Graduate School. Currently, no funds are available.

### 3. Support Requests

The Regional Section has supported the requests for ISE sponsorship for two upcoming activities in the Netherlands:

- **The 5th ECCM Graduate School (2025)**
- **ELKIN Netherlands 2026, The Hague – the 16th International Symposium on Electrokinetics**

Sincerely yours,

A handwritten signature in black ink, appearing to read 'M. Costa Figueiredo'.

Dr. Marta Costa Figueiredo  
Regional representative of the Netherlands (term 2024-2026)

Click or tap here to enter text.

Aveiro, August 2<sup>nd</sup>, 2025

International Society of Electrochemistry  
Annual Report of Portugal – 2024/2025

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**1. Membership**

The number of active ISE members in Portugal is currently 18.

**2. Activities**

Five members participated in the 75<sup>th</sup> Annual Meeting of the International Society of Electrochemistry, held in Montréal, Canada, from 18 to 23 August 2024, with 5 oral and 3 poster presentations.

Three members participated in the ISE sponsored 14<sup>th</sup> Symposium on Electrochemical Methods in Corrosion Research (EMCR 2025), which took place in Venice (Italy) from 15 to 19 June 2025, with 3 oral and 1 poster presentations.

Felipe Conzuelo is the Vice-chair of Division 2 – Bioelectrochemistry.

*Alexandre Bastos*

António Alexandre da Cunha Bastos  
ISE Regional Representative of Portugal  
Department of Materials and Ceramic Engineering  
CICECO – Aveiro Institute of Materials  
Universidade de Aveiro  
Portugal

## REPORT 2024-2025 of the ISE section in Russia

### Membership

The Russian section has maintained a membership in the International Society of Electrochemistry (ISE). Despite of decreasing the current number of members, an engagement and interest within the Russian electrochemical community in the activities of the ISE remains high.

### Activities

The primary research focus of the Russian section from 2024 to July 2025 has continued to be in the fields of pure and applied electrochemistry. The members have made significant contributions to both national and international electrochemical research, holding various editorial and organizational roles within the ISE and other scientific communities.

- **A. Karyakin** maintained his role as an Associate Editor for biosensors, analytical chemistry, noninvasive diagnostics in *Electrochemistry Communications*.
- **M. Vorotyntsev** continued to serve as the Deputy Editor-in-Chief of the *Russian Journal of Electrochemistry*.
- **K. Mikhelson** is a member of the Editorial Boards of the *Russian Journal of Electrochemistry*, and *Membranes* (MDPI).
- **O. Kozaderov** is a member of the Editorial Board of the *Russian Journal of Electrochemistry*.

Several Russian ISE members also continued their roles as reviewers for international electrochemical journals such as *Electrochimica Acta*, *Journal of Electroanalytical Chemistry*, *Journal of Solid State Electrochemistry*, *Journal of Applied Electrochemistry*, *International Journal of Hydrogen Energy*, *Sensors and Actuators B Chemical, Coatings, Materials, Catalysts, Energies, Sensors*, *Journal of Material Science, Materials Chemistry and Physics*.

### Participation and Events

The period was marked by the continuation of in-person events. Russian electrochemists were able to participate in several ISE-sponsored events, both in person and online. Prof. M. Vorotyntsev has presented a keynote lecture at 246 Meeting of the Electrochemical Society.

## Publications

Russian members of the ISE have continued to publish extensively in high-impact peer-reviewed journals. Notable publications during this period appeared in journals such as the Russian Journal of Electrochemistry, Electrochimica Acta, Journal of Electroanalytical Chemistry, Journal of Applied Electrochemistry, Journal of Power Sources, International Journal of Hydrogen Energy, Sensors & Actuators B Chemical, International Journal of Corrosion and Scale Inhibition, International Journal of Molecular Sciences, Journal of the Chinese Chemical Society, Journal of Magnesium and Alloys, Polymers, Theoretical Foundations of Chemical Engineering, Membranes, Molecules, Frontiers of Chemical Science and Engineering, Nanomaterials, Catalysts, Ionics, Journal of Material Science, Inorganics.

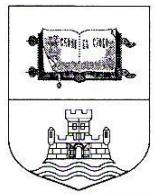
## Conclusion

The period of 2024-2025 has been a productive year for the Russian section of ISE, marked by steady membership, active participation in both national and international events, and significant contributions to scientific literature. The section remains a vibrant part of the international electrochemical community, with members holding prestigious positions and contributing to the advancement of electrochemical science.



Oleg A. Kozaderov

ISE Regional Representative - Russia



## ISE Annual Report 2024-2025 – Serbia

August 7, 2025

### Membership

There are currently 30 ISE members from Serbia (according to data on ISE site).

### Activities

#### *The following conferences were held:*

- Corrosion 360° – all sides of problems, one solution: Cooperation! 19 May 2025, Belgrade. Organized as a part of a World Corrosion Awareness Day

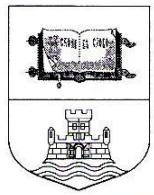
#### *Several meetings of electrochemists were held with online talks on different topics:*

- **October 31 2024**, Belgrade – lecture: "Green corrosion inhibitors: technological and scientific potentials and challenges in Serbia (in Serbian), prof. Jelena Bajat, University of Belgrade, Faculty of Technology and Metallurgy, Belgrade
- **May 8 2025, Novi Sad** – lecture: "Electrochemical Sensors and Biosensors Performance Enhancement based on Combined Function Materials Modified Electrodes, prof. Apon Numnuam sa Prince of Songkla University, Hat Yai, Thailand
- **May 8 2025** – lecture: " Batteries as Energy Storage Systems and Their Role in Supporting the Green Agenda" (in Serbian), prof. Branimir Grgur, Serbian Academy of Sciences, Belgrade
- **June 5 2025, Belgrade** – lecture: "Possibilities and limitations of modern electroanalytical methods, prof. Jiří Barek, Charles University, University in Prague, the Czech Republic
- **June 26 2025, Belgrade** – lecture: "Structure-Property Relationships in Oxide Ion Conductors for Energy Applications: Insight from Diffraction, Total Scattering and Spectroscopy" By Prof. Ivana Radosavljevic Evans, Durham University, UK
- **June 26 2025, Belgrade** – lecture: "Cheating Thermodynamics: Hydrogen Production by "Perfect" Physical Chemistry" By Prof. John Evans, Durham University, UK
- **July 31 2025, Belgrade** – lecture: "Towards better batteries – Current research activities and developments", By Prof. Dominic Bremer, Helmholtz Institute Ulm / Karlsruhe Institute of Technology, Germany

### ***Additional Information***

Organization of several conferences that will be held in 2025 and 2026

- 5th International Meeting on Materials Science for Energy Related Applications, September 25-26 2024 (IMMSERA5), University of Belgrade - Faculty of Physical Chemistry, Belgrade. Registration & abstract/paper submission finished July 10



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- XXVI YUCORR – November 3-5, 2025, Palic, Deadline for paper submission: October 15, 2025
- The proposal for the ISE Topical Meeting on “Corrosion and Surface Modification at the Forefront of 21<sup>st</sup> Century Green Electrochemistry Processes and Technology”, 7-10 June 2026, Belgrade, was approved. The first call finalized and the of potential Keynote lectures selected. Meeting Venue, catering, gala diner venue agreed on.

Yours sincerely,

*Јелена Бјајат*

Prof. Jelena Bajat  
Regional Representative of Serbia

# Taiwan Section of the International Society of Electrochemistry and ECS Taiwan

## January, 2025-December, 2025 Event List:

Item	Date	Event
1	April 22, 2025	Regular Meeting (Online)
2	August 28-29, 2025	2025 Electrochemistry Training Workshop
3	Oct 31-Nov 02, 2025	2025 ICGET-Tw & The 7th Election of ECSTw
4	Nov 30-Dec 03, 2025	2025 ICAC

### 1. Regular Meeting (online)

We held the regular committee online meeting on April 22, 2025.

### 2. 2025 Electrochemistry Training Workshop

One of the purposes of the ECS-Taiwan and ISE Taiwan Section is to provide training and promotion of electrochemical education. In many research and application fields, electrochemical principles and techniques can help us elucidate materials properties and interfacial charge transfer phenomena.

Given the current emphasis on the development of new materials for energy technologies and meeting the needs of optoelectronics, semiconductors, energy, biomedical, and other industries, we invited experts in related fields to provide students with a wide range of topics ranging from basic electrochemical principles to the latest electrochemical technology developments.

We will be holding the [2025 Electrochemistry Training Workshop](#) in August at the Department of Chemical Engineering, National Tsing Hua University. Please refer to the following for more information:

- ▶ Date: August 28-29, 2025
- ▶ Location: Department of Chemical Engineering, National Tsing Hua University
- ▶ Participants: About 160-200 people



2025 年電化學研習營																																												
2025 Electrochemistry Training Workshop (Courses taught in Mandarin)																																												
校園電化學教育訓練與推廣。為台灣電化學學會成立的宗旨之一。電化學課程並非大學內，必開或必修的課程，然而在諸多研究應用領域，運用電化學原理與技術，可以幫助我們探索材料與界面化學反應的現象。鑑於目前新材料、能源科技的發展受到各界重視，同時為結合國內產業發展需要，特別是目前產業界以光電、半導體、能源、生醫等產業為核心的特色，希望從基礎電化學角度出發，連結相關領域與其理論與實務之專請學者，以提琴彈奏方式提供學員最新的觀點。																																												
<b>主辦單位</b> 台灣電化學學會 <b>協辦單位</b> 國際電化學學會台灣分會 (IEE, Taiwan Chapter) <b>活動日期</b> 2025 年 8 月 28 日(星期四)~8 月 29 日(星期五) <b>活動地點</b> 國立清華大學化工館地下一樓 B18室																																												
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<b>活動報名費</b> 非電化學學會會員 (學生) 每名 1,200 元 非電化學學會會員 (員) 每名 1,500 元 電化學學會會員 (非學生) 每名 2,000 元 非電化學學會會員 (非學生) 每名 2,500 元 <b>報名方式</b> 請上台灣電化學學會網站： <a href="http://iee.ntu.edu.tw/">iee.ntu.edu.tw</a> ， <b>註明研習會為研習會會員</b> ， <b>登入報名系統</b> 進行報名及繳費。 <b>課程說明</b> ※課程為中文授課。※為慧慧財產權之故，恕不提供主講人之簡介報檔下載。 <b>注意事項</b> ※因教室座位為人為限， <b>恕不接受現場報名</b> 。 ※研習證明：完成課程方可取得研習證明，中途離場者恕不提供研習證明。第二天課程結束後，請至報到處領取。 ※本公司動員不計人力之特殊原因無法執行時，主辦單位在課程取消、終止、修改或暫停，恕不本盡事宜， 上述辦法保留，恕不另行通知。如需報名，報名時請附報名手續。 ※退費辦法： <b>研習證明退費者</b> 請先繳費並與信通知，並提供與員本之退費銀行、戶名及帳號，辦理退費之郵件將於 <b>活動結束日</b> ，由會員個人之退費報名費扣除手續費 30 元後，退還其餘款項。 1. 邮件完成報名後，因個人因素無法上課，依下列標準辦理。 2. 因法定傳染病或罹患日後生病而無法出席者， <b>活動結束七日</b> 憑醫院證明或診療收據可辦理退費。 3. 活動開始未報到者， <b>視同自動放棄權利，恕不辦理退費。</b> <b>聯絡方式</b> 台灣電化學學會 線上洽好小姐 E-mail: <a href="mailto:iee@ntu.edu.tw">iee@ntu.edu.tw</a> 電話: (03)571-5131 分機 33623																																												
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### 3. The 2025 International Conference on Green Electrochemical Technologies and the 2025 Annual Meeting of Electrochemical Society of Taiwan (2025 ICGET-Tw)

**The International Conference on Green Electrochemical Technologies (ICGET)** is the annual event co-hosted by ECS-Tw/ISE-Taiwan Section and universities around the nation that provides a platform aiming to promote both international and domestic academic/academic and academic/industrial interactions in the field of electrochemical technologies. The conference series had given all participants the opportunity to share research outcomes, experiences, and cultivated potential collaborations. The goal of this conference is to promote the development of electrochemical technologies in the context of globalization.

The 2025 ICGET International Conference on Green Electrochemical Technologies will be held at Department of Chemical Engineering, National Cheng Kung University from October 31<sup>st</sup> to November 2<sup>nd</sup> 2025 (three-day program). We anticipate roughly 400 participants around the globe will be engaged in the four main topics and industry forum. Internationally renowned scholars and experts will stimulate active discussions in plenary and keynote lectures on both advanced

science and practical applications. The student oral presentation contest and poster competition are particularly popular among students, providing a great platform for them to promote their research professionally. Besides, we will hold the 7th Election of ECSTw during the conference.

- ▶ Date: October 31-November 2, 2025
- ▶ Location: Department of Chemical Engineering, National Cheng Kung University
- ▶ Participants: About 400 people

2025 ICGET-TW

2025 綠色電化學科技國際學術研討會暨2025台灣電化學學會年會  
The 2025 International Conference on Green Electrochemical Technologies & 2025 Annual Meeting of Electrochemical Society of Taiwan

2025/10/31(五)-11/02(日) 國立成功大學

Home Committee Registration Speakers Program Special Issue General Information Exhibition Sponsors Contact Login

Dear Colleagues,

On behalf of the organizing committee, it is our great pleasure to cordially invite you to join the 2025 International Conference on Green Electrochemical Technologies (2025 ICGET-Tw) held on October 31-November 2, 2025. The venue of 2025 ICGET-Tw is the

Abstract Submission

Registration

Conference Program

Important Dates

Abstract Submission  
May 12 - August 4, 2025

Acceptance Notification  
August 31, 2025

Early Bird Registration Deadline  
September 15, 2025

Regular Registration Deadline  
October 24, 2025

2025 ICGET-Tw  
October 31 - November 2, 2025

Organizers

National Cheng Kung University

化學工程學系  
Department of Chemical Engineering, NCKU

Sponsors

NSTC 國家科學及技術委員會

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## Program at a glance

Time	October 31 (Friday)
15:00~20:00	<b>Registration</b> <b>@1<sup>st</sup> floor of Chemical Engineering Building, NCKU</b>
18:00~20:00	<b>Welcome Reception</b> <b>@5<sup>th</sup> floor of Chemical Engineering Building, NCKU</b>

Time	November 01 (Saturday)					
Time/Room	Symposium 1	Symposium 2	Symposium 3	Symposium 4	Symposium 5	
10:00~10:30	Keynote 01	Keynote 02	Keynote 03	Keynote 04		
10:30~10:50	Invited 01	Invited 04	Invited 07	Invited 10		
10:50~11:10	Invited 02	Invited 05	Invited 08	Invited 11	Student oral competition	
11:10~11:30	Invited 03	Invited 06	Invited 09	Invited 12		
11:30~11:45	Oral	Oral	Oral	Oral		
11:45~12:00	Oral	Oral	Oral	Oral		
12:00~13:00	<b>Lunch</b>					
12:00-14:00	<b>Poster Session 1</b>					
14:00~14:40	<b>Plenary 02</b>					
14:40~15:20	<b>Plenary 03</b>					
15:20~15:40	<b>Coffee Break</b>					
Time/Room	Symposium 1	Symposium 2	Symposium 3	Symposium 4	Symposium 5	
15:40~16:10	Keynote 05	Keynote 06	Keynote 07	Keynote 08		
16:10~16:30	Invited 13	Invited 17	Invited 21	Invited 25		
16:30~16:50	Invited 14	Invited 18	Invited 22	Invited 26	Student oral competition	
16:50~17:10	Invited 15	Invited 19	Invited 23	Invited 27		
17:10~17:30	Invited 16	Invited 20	Invited 24	Invited 28		
17:30~17:45	Oral	Oral	Oral	Oral		
17:45~18:00	Oral	Oral	Oral	Oral		
18:00~21:00	<b>Banquet</b>					

Time	November 02 (Sunday)					
08:30~17:00	Registration					
09:00~09:40	Plenary 04					
09:40~10:00	Coffee break					
Time/Room	Symposium 1	Symposium 2	Symposium 3	Symposium 4	Symposium 5	
10:00~10:30	Keynote 09	Keynote 10	Keynote 11	Keynote 12	Student oral competition	
10:30~10:50	Invited 29	Invited 32	Invited 35	Invited 38		
10:50~11:10	Invited 30	Invited 33	Invited 36	Invited 39		
11:10~11:30	Invited 31	Invited 34	Invited 37	Invited 40		
11:30~11:45	Oral	Oral	Oral	Oral		
11:45~12:00	Oral	Oral	Oral	Oral		
12:00~13:00	Lunch					
12:00~14:00	Poster Session 2					
Time/Room	Symposium 1	Symposium 2	Symposium 3	Symposium 4		
14:00~14:30	Keynote 13	Keynote 14	Keynote 15	Keynote 16		
14:30~14:50	Invited 41	Invited 44	Invited 47	Invited 50		
14:50~15:10	Invited 42	Invited 45	Invited 48	Invited 51		
15:10~15:30	Invited 43	Invited 46	Invited 49	Invited 52		
15:30~15:50	Coffee Break					
Time/Room	Symposium 1	Symposium 2	Symposium 3	Symposium 4		
15:50~16:10	Invited 53	Invited 55	Invited 57	Invited 59		
16:10~16:30	Invited 54	Invited 56	Invited 58	Invited 60		
16:30~16:45	Oral	Oral	Oral	Invited 61		
16:45~17:00	Oral	Oral	Oral	-		
17:00~17:40	Plenary 05					
17:40~18:30	Closing ceremony					

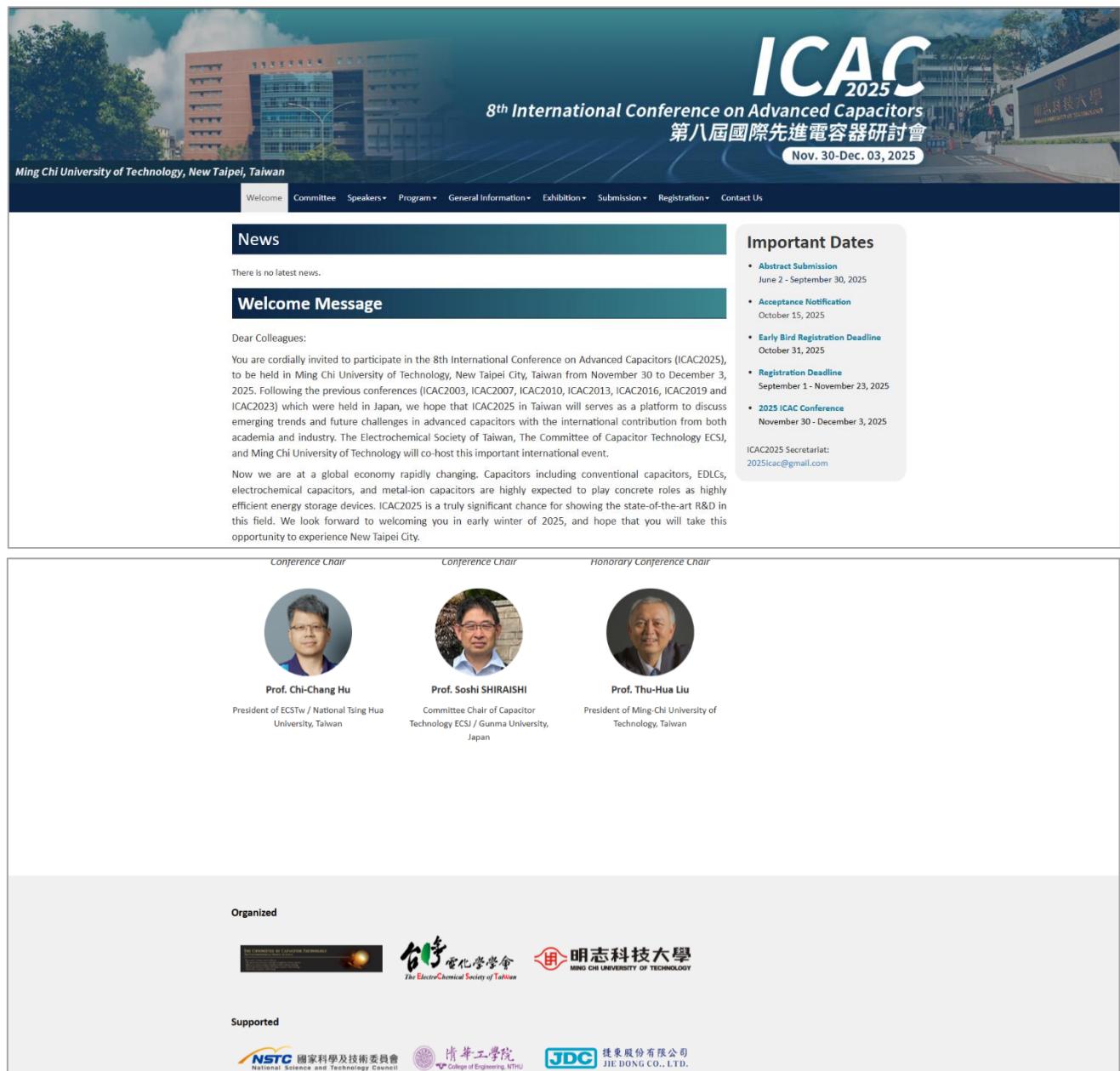
#### 4. The 8<sup>th</sup> International Conference on Advanced Capacitors (ICAC2025)

**The 8<sup>th</sup> International Conference on Advanced Capacitors** will be held in Ming Chi University of Technology, New Taipei City, Taiwan from November 30 to December 3, 2025. Following the previous conferences (ICAC2003, ICAC2007, ICAC2010, ICAC2013, ICAC2016, ICAC2019 and ICAC2023) which were held in Japan, we hope that ICAC2025 in Taiwan will serve as a platform to discuss emerging trends and future challenges in advanced capacitors with the international contributions from both

academia and industry. The Electrochemical Society of Taiwan, The Committee of Capacitor Technology ECSJ, and Ming Chi University of Technology will co-host this important international event.

The conference features a single-track agenda including invited talks, oral and poster presentations, a student poster competition, and industrial exhibitions. With over 200 papers expected. This event marks an important milestone in promoting the academic research and technological development in Taiwan's capacitor sector and beyond. Please refer to the following for more information:

- ▶ Date: November 30-December 3, 2025
- ▶ Location: Innovation Building, Ming Chi University of Technology, New Taipei City, Taiwan
- ▶ Participants: About 200 people



The screenshot shows the homepage of the ICAC 2025 website. The header features a large image of the Innovation Building at Ming Chi University of Technology. The title "ICAC 2025" is prominently displayed, followed by the subtitle "8th International Conference on Advanced Capacitors" and the Chinese title "第八屆國際先進電容器研討會". The date "Nov. 30-Dec. 03, 2025" is also shown. The navigation bar includes links for Welcome, Committee, Speakers, Program, General Information, Exhibition, Submission, Registration, and Contact Us. The main content area has two sections: "News" (with a note that there is no latest news) and "Welcome Message". The "Welcome Message" section contains a message from the conference chair, Prof. Chi-Chang Hu, and a message from the Honorary Conference Chair, Prof. Thu-Hua Liu. To the right, there is a "Important Dates" section listing the abstract submission deadline (June 2 - September 30, 2025), acceptance notification (October 15, 2025), early bird registration deadline (October 31, 2025), registration deadline (September 1 - November 23, 2025), and the conference dates (November 30 - December 3, 2025). The footer is divided into "Organized" and "Supported" sections, featuring logos for the National Science and Technology Council, the College of Engineering at National Tsing Hua University, and Jie Dong Co., Ltd.



July 24, 2025

-- ISE Annual Report for Turkey --

**Membership:**

Since the in-person meetings have started, current membership is at 22, roughly the same as prepandemic levels. I would expect the membership to increase with more physical meetings. I am actively trying to energize the membership in order to increase this number.

**Activities:**

Given the political and the financial climate, no meetings were organized in Turkey this year. We will be applying for a regional meeting for the next round.

**Change of Regional Representative:**

Based on an internal election, Dr. Sevinç Kurbanoğlu with the below information is selected as the next representative.

Assoc.Prof.Dr. Sevinç KURBANOĞLU  
Ankara University International Promotion and Branding Coordinator  
Ankara University, Faculty of Pharmacy  
Department of Analytical Chemistry  
06560, ANKARA, TURKEY  
[skurbanoglu@gmail.com](mailto:skurbanoglu@gmail.com) / [skurbanoglu@ankara.edu.tr](mailto:skurbanoglu@ankara.edu.tr)

  
Assoc. Prof. Burak Ülgüt, Regional Representative for Turkey  
Bilkent University, Department of Chemistry

Prof. Mark Symes  
Professor of Electrochemistry and  
Electrochemical Technology,  
School of Chemistry, Joseph Black Building,  
University of Glasgow, Glasgow G12 8QQ  
*Email:* [mark.symes@glasgow.ac.uk](mailto:mark.symes@glasgow.ac.uk)

28<sup>th</sup> July 2025

### **Report of the ISE Regional Representative for the United Kingdom, 2025**

**Membership:** The membership currently stands at 175 members (164 in 2024, 157 in 2023, 166 in 2022, 187 in 2021, 190 in 2020, 201 in 2019, 200 in 2018, 190 in 2017).

#### **Activities in 2024-25**

The following meetings were sponsored by the ISE in the UK:

- 38th ISE Topical Meeting, Nanomaterials in Electrochemistry (Manchester, UK), 8<sup>th</sup> – 11<sup>th</sup> September 2024.
- Midlands Electrochemistry Group Meeting, Leicester, 17th June 2025.
- SCI Electrochemistry Postgraduate Conference 2025, 25th July 2025, Newcastle, UK.

#### **Upcoming activities**

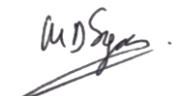
- The SEC in Glasgow will host the ISE Annual Meeting in 2027 (the chair of the local organising committee is Angel Cuesta from University of Aberdeen).

#### **Involvement of UK members in the ISE**

The following members are currently involved in the ISE:

- Andrea Russell: vice president, 2020-2023, and president-elect (2025-26)
- Guy Denuault: past chair of division 1
- Carlos Ponce de Leon: chair of division 5
- Eileen Yu : vice-chair of division 5
- Ismael Diez-Perez: chair of division 6
- Mark Symes : chair of division 7
- Clotilde Cuccinotta : vice-chair of division 7
- Rob Hillman: editor in chief of *Electrochimica Acta*

Yours faithfully,



Mark Symes

August 24, 2025

## **ISE Annual Report Meeting 2024 - USA**

### **Memberships**

As of today, there are 170 members from the United States, which is about 6% lower than the number of members last year. We have worked to retain members on an ongoing basis by directly emailing colleagues and talking to them at ISE, AIChE, ACS, and ECS meetings. We also plan to use the emailer to start a membership campaign as we gear up to host the 2028 Annual meeting and perhaps a topical one in 2027.

### **Activities**

1. Co-sponsoring of meetings. We did not receive any requests this year to cosponsor or support conferences or meetings.
2. Topical Meetings – The US group discussed plans for a Topical meeting and are now thinking of putting in a proposal to do one in 2027 on the topic of Towards Electrifying Society through Electrolysis with perhaps a focus on High Temperature Electrochemistry. The meeting would be held in Chicago.
3. Annual Meetings – The US group put in an application to host the 2028 Annual Meeting in the United States to be held in Southern California and this has been refined to focus on an option in Carlsbad. We had substantial interaction with ISE and the venue and the contract is almost finalized.

Adam Z. Weber, PhD, Regional Representative for the USA  
Senior Scientist, Lawrence Berkeley National Laboratory