



Division 1 – Analytical Electrochemistry

Annual Report – August 2025

Agenda:

- | | |
|------------------------|------------------------|
| 1. Division Objectives | 5. Meetings & symposia |
| 2. Division Officers | 6. Awards |
| 3. Elections | 7. Division budget |
| 4. Membership | 8. AOB |



1. Division Objectives

Div. 1 objectives & activities follow those of the ISE

- to advance electrochemical science and technology
- to disseminate scientific and technological knowledge
- to promote international cooperation in electrochemistry
- to maintain a high professional standard among its members

This is achieved by

- organising & co-organising symposia in Annual and Topical Meetings of the ISE
- sponsoring meetings organised by related societies
- publishing in *Electrochimica Acta*, e.g. Special Issues following each Annual Meeting
- awarding prizes ([Early Career Analytical Electrochemistry Prize](#), [ISE-Elsevier Prize for Green Electrochemistry](#), poster prizes)



Division 1 – Analytical Electrochemistry – 2025 report

2. Division Officers (ISE Division Elections 2024: October 2024)

Chair: **Maria Cuartero**
(KTH Royal Institute of Technology, Sweden)



Chair Elect: **Emilia Witkowska Nery**
(Polish Academy of Sciences, Poland)

Past Chair: **Guy Denault**
(University of Southampton, UK)



Vice-Chairs: **Guobao Xu**
(Chinese Academy of Science, China)
 Gabriel Negrão Meloni
(University of São Paulo, Brazil)



<https://www.ise-online.org/committees/divisions-officers/#gsc.tab=0>



Division 1 – Analytical Electrochemistry – 2025 report

2. Division Officers



Luigi Falciola



Rasa Pauliukaitė



Wojciech Nogala

*Thank
you!*

3. Divisions Elections

	Chair elect	Chair	Past Chair
2025	Emilia	Maria	Guy
2026	Emilia	Maria	Guy
2027	To be elected	Emilia	Maria
2028	To be elected	Emilia	Maria

Next elections for Div. 1: October 2026 !!!!

Which is the typical profile of the chair? Can I propose myself or others?



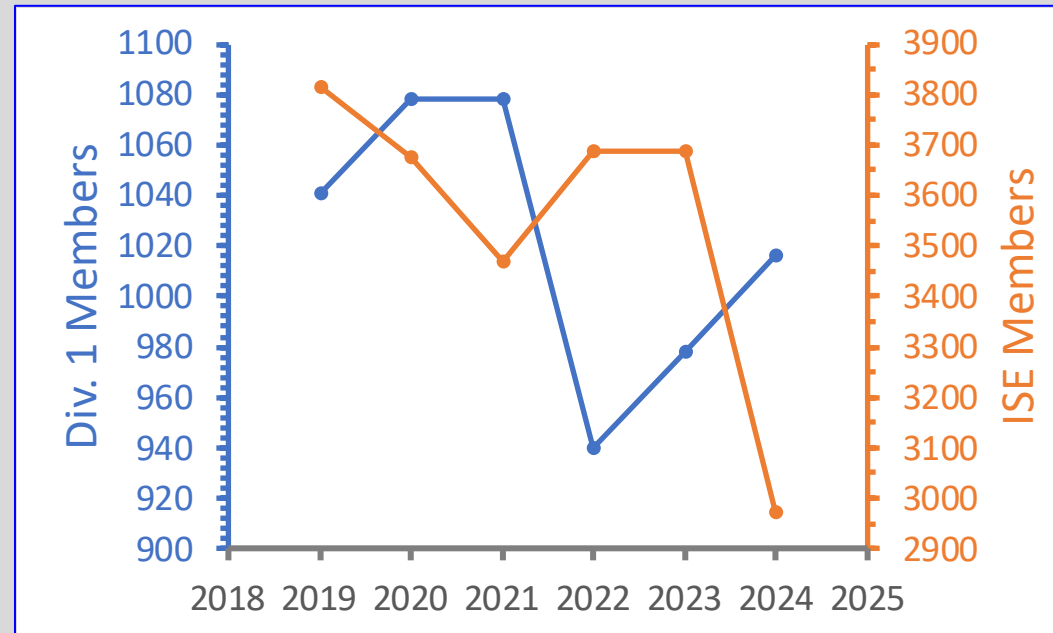
Also, for all other ISE matters !!!!



4. Membership

2025	
ISE	3126
Div 1	1048
Div 2	531
Div 3	1890
Div 4	1852
Div 5	715
Div 6	467
Div 7	1062

34 % of ISE members
Increase since the pandemic
Wide geographical distribution



Germany	87
France	79
China	74
Canada	69
United States	60
United Kingdom	52
Italy	50
Japan	44
Spain	40
Brazil	40
South Korea	37
Poland	37
Australia	35
South Africa	28
Netherlands	21
Romania	19
Ireland	19
Croatia	19
Mexico	18
Czech Republic	17
India	16
Belgium	14
Chile	14
Switzerland	12
Sweden	12
Taiwan	12
Portugal	10
Others	113



Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2024

75th Annual Meeting, Montréal, 18-23 Aug. 2024

Div 1 organized

Symp. 1 -- The electroanalytical journey from the fundamental electrochemical concept to the analytical application

Maria Cuartero Botia (Div 1), Gaston Crespo (Div 1), Antonella Badia (local), Christia Brosseau (local)

Symp. 2 -- Scanning Probe Microscopies: Towards quantitative electrochemistry

Wojciech Nogala (Div 1), Guy Denuault (Div 1), Joshua Byers (local), Zhifeng Ding (local)

Div 1 co-organized with Divs 2, 4 & 5

Symp. 3 -- Improving health monitoring & pollutant detection using electrochemical sensors

Silvia Cere (Div 4), Rasa Pauliukaite (Div 1), Fabio Cicoira (local), Philippe Dauphi-Ducharme (local)



Div 1 sponsored
1 poster prize



Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2024

Div 1 co-organised with Div 2

36th ISE Topical Meeting 26-29 May 2024, Sibenik, Croatia

Marine & Environmental Electrochemistry in the Era of New Technologies

Sladana Strmečki Kos (local, chair)

Marija Marguš (local)

Irena Ciglencečki - Jušić (local)

Luigi Falciola (Div. 1)

Alain Walcarius (Div. 1)

Elena Ferapontova (Div. 2)

Carlo Santoro (Div. 2)

36th Topical Meeting
of the International Society of Electrochemistry

ISE
Marine and environmental
electrochemistry in the era of new
technologies

26 - 29 May 2024
Sibenik, Croatia

Call for Papers

<http://topical36.ise-online.org>



Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2024

Div 1 sponsored:

ESEAC2024 19th International Conference on Electroanalysis
23-26 July 2024, Ulm, Germany – 500EUR

Journées de Chimie Analytique 2024/ JCA2024
28-30 August 2024, Dschang, Cameroun – 500EUR

AMYC-BIOMED 2024
23-25 September 2024, Rome, Italy – 500EUR

Wearable and Implantable Sensors and Electrochemical Devices (WISED)
27-29 November 2024, Lyon, France – 500EUR

17th Dresdner Sensor-Symposium
25-27 November 2024, Dresden, Germany – 350EUR



5. Meetings & symposia: 2025

76th Annual Meeting 7-12 September 2025, Mainz, Germany

Div 1 has organised symposium 1

Electroanalysis: From fundamentals towards smart devices

Guy Denuault (Div 1), Mauro Bertotti (Div 1), Frank-Michael Matysik (local), Christine Kranz (local)

Div 1 has co-organised symposium 13 with Divs 2 & 7

Mechanisms in molecular electrochemistry for (bio-)catalysis, (bio-) sensing and electronics

Federico Polo (Divs 1 & 2), Magdaléna Hromádová (Divs 7), Hye Jin Lee (Divs 1, 2 & 7), Valentina Pifferi (Divs 1 & 7), Kristina Tschulik (local).



**Div 1 will sponsor
poster prizes**

5. Meetings & symposia: 2025

Div 1 has co-organized with Div 6

40th Topical Meeting

15-17 August 2025, Changchun, China

Interfacial electrochemistry

Xiurong Yang (co-Chair)

Guobao Xu (co-chair, Div 1)

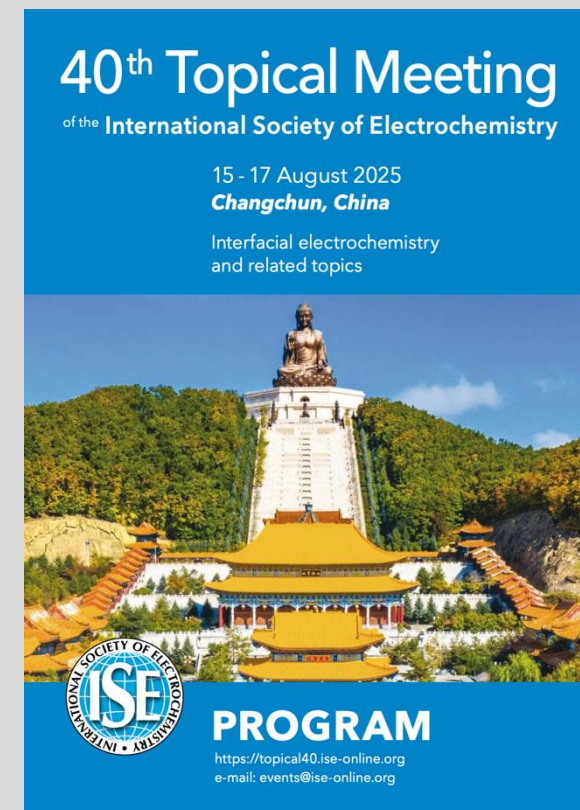
Erkang Wang (co-chair)

Neso Sojic (Div 1)

Wojciech Nogala (Div 1)

Philippe Hapiot (Div 6)

Fetah Podvorica (Div 6)





Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2025

Div 1 is sponsoring:

2nd International Workshop on Bioelectrochemistry (2nd BES Workshop)

24-26 September 2025, Hiroshima, Japan – *500EUR*

The Twentieth International Symposium on Electroanalytical Chemistry (20th ISEAC)

12-15 August 2025, Changchun, China – *250EUR*

11th International Conference on Electrochemistry in Nanosciences: On-surface chemistry for nanoscale electrochemical phenomena (ElecNano11)

05-07 May 2025, Angers, France – *500EUR*

Conference on Electrochemistry for Industry, Health and Environment (EIHE-2025)

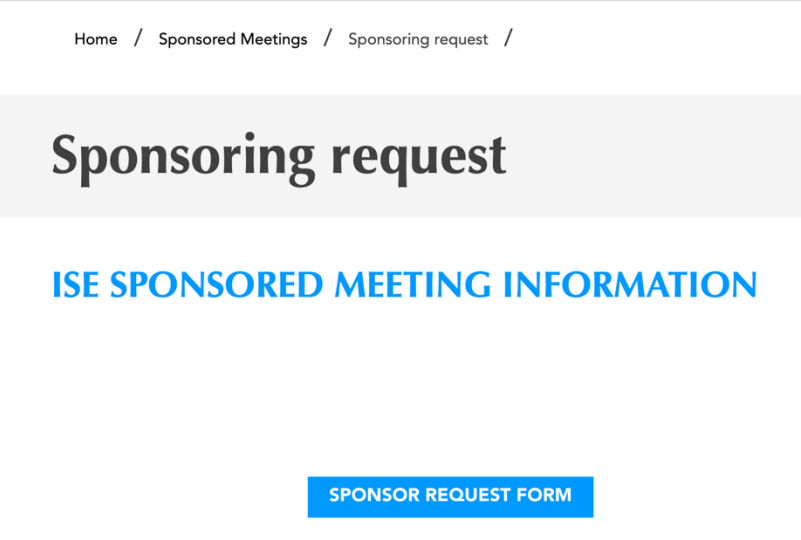
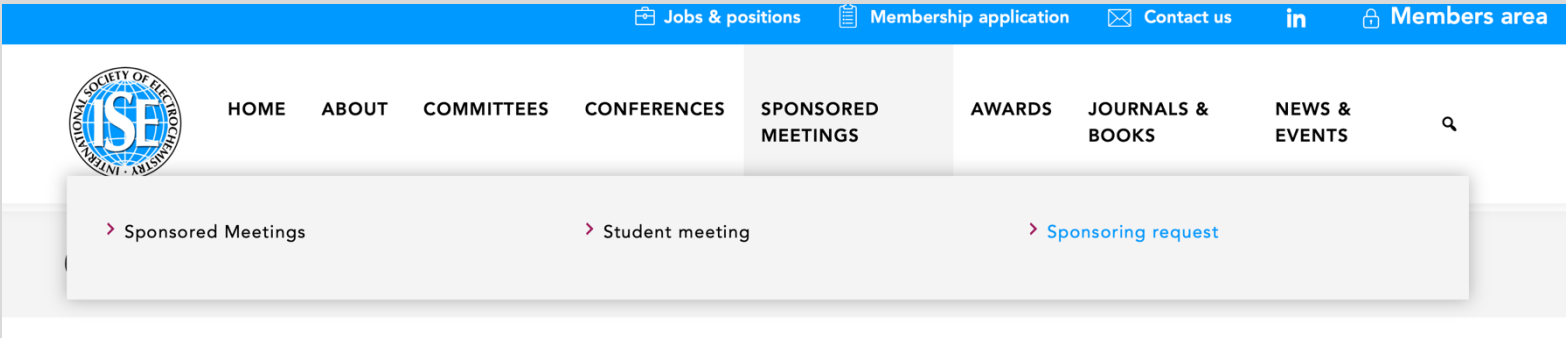
21-25 January 2025, Mumbai, India – *500EUR*

XVIIIth conference of the French group of bioelectrochemistry (XVIIIth GFB)

13-17 January 2025, Autrans Méaudre en Vercors, France – *500EUR (2024 budget)*

All the info about

SPONSORING REQUEST:



What is an ISE sponsored meeting?

You may have noticed that scientific meetings in the field of electrochemistry are often labelled ‘ISE sponsored Meeting’. What does this mean? In addition to organizing its own meetings, such as the Annual ISE Meeting and Spring ISE Meeting, Divisional Meetings (organized by one or several ISE Divisions) and National or Regional meetings (organized by one or several National ISE Sections), ISE may sponsor other international scientific meetings in the area of electrochemistry. ISE sponsorship is intended to be a sign of quality for the meeting.

What are the requirements for ISE sponsorship?

ISE requires that the scientific quality of the meeting reaches the standard of its own meetings. It is desirable that the advisory board consists of ISE members, as far as possible. The meeting must be open to all ISE members.

Who decides?

The decision is normally taken by the officers of the ISE Division in whose field of interest the topic of the meeting lies. ISE Division Officers should be involved in the organisation of the meeting. The ISE Executive Committee decides on the sponsorship for meetings of general interest or when the request involves more than 2 divisions. The conference organizers must specify in the form whether they would like to get such a sponsorship from 1 or 2 ISE divisions or from the ISE EC.

What are the obligations of the organizers?

The organizers have to publicise the ISE sponsorship in all the official documents related to the meeting (announcements, program, website etc.). At the meeting, a representative of ISE must be allowed to say a few words on behalf of the Society, and ISE must have the opportunity to advertise. After the meeting, the organizers should submit a short report to ISE to be published on the ISE website.

What do the organizers receive from ISE?

ISE publishes announcements, programs and reports of ISE sponsored meetings on the ISE website. The ISE Office can organize mailings to all, or a group of ISE members. These services are free of charge. In appropriate cases, there may be a special issue of *Electrochimica Acta* associated with these meetings. Meeting organisers who wish to apply for a special issue must approach the Special Issues Editor (see: <https://www.journals.elsevier.com/electrochimica-acta/editorial-board>).

What about money?

ISE sponsorship of a meeting does not automatically imply a financial contribution from ISE. However, the sponsoring Division(s) may use its funds to support such a meeting. A financial contribution of up to 1000 Euro may be allocated to meetings sponsored directly by the Executive Committee.

How to apply for ISE sponsorship?

If you would like to have the scientific meeting you are organizing sponsored by ISE, please fill in the Sponsor request form and send it as an e-mail attachment to the ISE Office (info@ise-online.org) at least three months in advance of the time of the meeting. If possible, the application should list the main theme and the topics of the meeting, the ISE membership of the advisory and the organising committees, the ISE Division Officers involved in the organisation of the meeting (if any), a preliminary program, the date and location, and any other useful information. The decision will be taken by the Officers of the sponsoring Division(s), or by the Executive Committee. Then, the ISE Office will inform the organisers.



Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2026

77th Annual Meeting 6-11 September 2026, Sidney, Australia

Div 1 is organising **symposium 1**

Symposium 1: Electrochemistry at the interface: From liquid-liquid to point-of-care devices

Sponsored by: Division 1: Analytical Electrochemistry

The symposium will focus on recent developments in electrochemical methods using biphasic systems, such as potentiometric ion-selective electrodes and polarised liquid-liquid interfaces, with applications in analytical, environmental, physical, pharmaceutical, and biomedical research. It will address current research, technological progress, and future challenges in the field. As electrochemistry at the polarised liquid-liquid interface is typically confined to the laboratory, we aim to incorporate single-use sensors and point-of-care devices, providing a platform for new ideas that bridge the two fields. While traditional electroanalytical methods continue to advance, there is an increasing demand for single-use sensors and point-of-care diagnostics that can function autonomously for extended periods with minimal sample handling and maintenance.

KEYWORDS: Electrochemistry at the liquid-liquid interface, ITIES, Ion transfer voltammetry • Biomembrane-mimic interfaces • Potentiometric ion-selective electrodes • Smart and low-cost sensors, 3D-printed sensors, sensor arrays, and wearable technologies • Electroanalysis for Point-of-Care Applications.

Symposium Organizers: Emilia Witkowska Nery, Institute of Physical Chemistry, Polish Academy of Sciences, Poland; Micheál D. Scanlon, University of Limerick, Ireland; Damien Arrigan, Curtin University, Australia; Yang Liu, James Cook University, Australia; Jeffrey Dick, Purdue University, USA.



 Sydney, Australia

 6 to 11 September 2026

 Electrochemistry for the New World

<https://www.ise-online.org/meetings/annual77/#gsc.tab=0>

5. Meetings & symposia: 2026

77th Annual Meeting 6-11 September 2026, Sidney, Australia

Div 1 is co-organising **symposium 2** with Div 2

Symposium 2: Electrochemical biosensors: The new world technology




Sponsored by: Division 1: Analytical Electrochemistry & Division 2: Bioelectrochemistry

Biosensors utilise the superior recognition capabilities of biological systems and combine them with a wide range of physicochemical transducers to enable simple and user-friendly diagnostic systems for an increasingly diverse range of applications, enhancing our daily lives. The symposium focuses on the latest advances in electrochemical biosensors, aiming to provide practical solutions to the challenges of the modern world. From environmental analysis to healthcare, electrochemical biosensors can ...

KEYWORDS: New biorecognition strategies in electrochemical detection • Nanomaterials, novel transducers, sustainable and affordable biosensors • Cell analysis and cancer-cell detection • Lab-on-a-chip, multiplexed and implantable devices • Biosensors for environmental, agro-food, security, forensic, and healthcare applications • AI and machine learning in biosensors • Translation and commercialisation of biosensors

Symposium Organizers: Saimon Moraes Silva, La Trobe University, Australia; Gabriel Negrão Meloni, University of São Paulo, Brazil; Felipe Conzuelo, Nova University Lisbon, Portugal; Ilaria Palchetti, University of Florence, Italy



-  Sydney, Australia
-  6 to 11 September 2026
-  Electrochemistry for the New World

<https://www.ise-online.org/meetings/annual77/#gsc.tab=0>

5. Meetings & symposia: 2026

Topical Meetings:

- 7-10 June, Belgrade, Serbia (41st ISE Topical Meeting)

Corrosion and Surface Modification at the Forefront of 21st Century Green Electrochemistry Processes and Technology

Div 4

- 23-26 June, Helsinki, Finland (42nd ISE Topical Meeting)

Sustainable Electrochemical Energy Materials: Theory and Practice

Divs 3 & 7

- 27-30 September, Poznan, Poland (43rd ISE Topical Meeting)

In-situ and operando monitoring of electrified interfaces

Divs 2, 3 & 7



Division 1 – Analytical Electrochemistry – 2025 report

5. Meetings & symposia: 2027 & 2028

2027

Annual meeting:

**SYMPOSIA PROPOSALS NEEDED !!!!
DEC 2025**

5-10 September, Glasgow, UK (78th Annual Meeting), *Electrochemistry for a sustainable future*

Topical meetings:

PROPOSALS ARE NEEDED !!!!

Pattay, Thailand, late nov 2027, Divs 3 & 5

2028

Annual meeting:

San Diego????

Topical meetings:


Lisbon, Portugal (78th Annual Meeting), *Electrochemistry and Applications of New Functional Materials and Coatings*

Div 1 & Div 4

Christopher Brett, Alexandre Bastos

All the info about
Conferences Proposals:

Jobs & positionsMembership applicationContact usinMembers area



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> Next conferences


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> **Conferences proposals**

> Special meetings

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Conferences proposals

Proposals for Annual Meetings or Topical Meetings

A group of members in a Country/Region, usually but not necessarily coordinated by the ISE Regional Representative, may submit a proposal to the Executive Committee and/or Scientific Meetings Committee to hold an Annual Meeting in the country/Region in a particular year.

The present policy of the ISE is to have Annual Meetings in Europe in even numbered years, and outside Europe in odd numbered years, preferably alternating venues in the Americas with venues in Asia, Australia-Oceania and Africa. In the same year, Annual and Topical Meetings are held in geographically well-separated locations.

Proposals must be submitted in response to the calls circulated by the Scientific Meetings Committee Chair, using the appropriate forms.

FOR ANNUAL MEETING PROPOSAL

FOR TOPICAL MEETING PROPOSAL

Good if you contact the Division with your idea to get support

6. Awards: Early Career Analytical Electrochemistry Prize of ISE

- **2014 Dr Jan Vacek** (Palacky University, Olomouc, Czech Republic)
- **2015 Dr Bryan McCloskey** (University of California, Berkeley, USA) in recognition of his contributions to a highly interdisciplinary teams on understanding the fundamental chemistry of lithium-air batteries
- **2016 Dr Kosuke Ino** (Tohoku University, Sendai, Japan) for his research on integrated electrochemical devices based on micro/nanochemistry for bioassays
- **2017 Prof Kristina Tschulik** (Ruhr-University, Bochum, Germany) in recognition of her excellent work applying electrochemistry for the physical and chemical characterization of nanostructures and in particular single nanoparticles
- **2018 Dr Maria Cuartero Botia** (KTH, Stockholm, Sweden) for her contribution to the electrochemical detection of various species in aquatic systems based mostly on potentiometric methods
- **2019 Prof Sabine Kuss** (University of Manitoba, Winnipeg, Canada) for her fundamental contributions to analytical electrochemistry at the interface between electrochemistry and biology



6. 6. Awards: Early Career Analytical Electrochemistry Prize of ISE

- **2020 Dr Cameron Bentley** (University of Warwick, Coventry, UK) for his achievements in nanoscale electrochemistry to understand various phenomena with broad impact in electrocatalysis, materials science and nanoscience
- **2021 Dr Dmitry Momotenko** (Carl von Ossietzky University of Oldenburg, Germany) for the development of new advanced instrumental analytical techniques for micro- and nanoscale analyses.
- **2022 Dr Stefano Cinti** (Università degli Studi di Napoli “Federico II”, Italy) for the development of innovative electrochemical sensors applied to user-friendly analytical chemistry for various applications.
- **2023 Dr Paolo Bollella** (Bari University, Italy) in recognition of his recent achievements in the development of ultrasensitive enzyme-based amperometric sensors for biomarkers in clinical, food, and environmental samples.
- **2024 Dr Muamer Dervisevic** (Monash University) Australia, for his contribution to the development of transdermal electrochemical biosensors for health care monitoring and diagnostics.

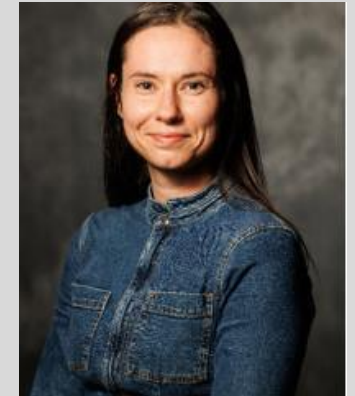


6. Awards

The 2025 Early Career Analytical Electrochemistry Prize of ISE Div 1 sponsored by OrigaLys

Awarded to **Dr. Samantha Gateman** (Western University, Canada) in recognition of her achievements in the field of analytical electrochemistry for corrosion

6 candidates // *Selection Committee:* Maria Cuartero, Emilia Witkowska Nery, Maxime Valay (OrigaLys) // *Advisors:* Sophie Griveau, Guy Denault



Congratulations!

The 2025 The ISE-Elsevier Prize for Green Electrochemistry

Awarded to **Prof. Alexander Bagger** (Technical University of Denmark, Lyngby, Denmark) for his outstanding work on the development of computational tools to investigate materials at the atomic scale for green & environmental electrochemistry reactions

11 candidates // *Selection Committee:* Maria Cuartero, Sonia Dsoke, Carlos Ponce, Rossi Ruggero, Xiao Su



7. Division budget

GENERAL RULES:

- [a] 10 000 CHF divided by 7 divisions = 1428.57 CHF
- [b] 20 000 CHF divided according to the number of members, where N is greater than the total number of members, because some members are in few divisions
- The available funds to be carried over to the next year are not greater than $2 \times S$, where S is the sum of [a] and [b]
- If a TM organised by the division makes a profit, the surplus is shared by the division for 3 consecutive years (usually around 1000-2000 euro per year)
- In 2025 division 1 has lost 1,591.09 CHF, which could not be transferred because of the 2S rule.

ACCORDINGLY:

Concept	EUR
Leftover in 2024	+ 6.6065,25
Sum available for Div 1	+ 9.995,00
Expenses until now (sponsorships)	- 1.750,00
Rest	+ 8.245,00



8. Any Other Business

- Proposal of Symposia for AM 2027 – DEC 2025.
- Proposal of TMs for 2027.
- Div 2 & 3 will probably be involved in organising the first TM in India in a few years. But now, an online poster event (based on RSC format) will be created, **which Div 1 should also participate in** because, although underfunded, analytical chemistry is strong in Indian universities.
- New rules for poster prizes:
 - All divisions with the same amount of prizes
 - Same value of prize or 1 prize per 20 posters
 - During registration, people indicate if they want to participate in the prize and get a sign/sticker for their poster
- Award from divisions for oral presentations (Young researcher, 7 years from the PhD) // 1 award per 15 people



8. Any Other Business

- New award in the Div? Div 2 is adding a new award for young scientists and adding a name to one that was just general, should we do that too?
- Division can sponsor:
 - Meetings around the world - new guidelines will be shared soon,
 - in general, max. 1000 euro from EC and 1000 euro from divisions,
 - consider the number of participants,
 - Consider what is being asked for (participation of young researchers, poster prize are encouraged)
 - EC sponsors ~9000 euro per year
 - advertise sponsoring activity
 - Participation of people in AM and TM in addition to travel grants and other,
 - no more than 1000 euro,
 - we can select who we invite for the grant and to which meeting, should be people who cannot afford it because of difficult funding schemes in the country etc., unrepresented regions or groups



Division 1 – Analytical Electrochemistry

Annual Report – August 2025

"Science is a collaborative enterprise, spanning the generations. It's the passing of a torch from teacher to student to teacher. A community of minds, reaching back to antiquity and forward to the stars."

— *Carl Sagan*

Thank You