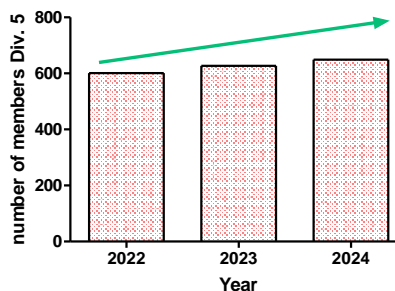









Division 5: Electrochemical Process Engineering and Technology Report on Annual Activities 2023-2024 August 18th, 2024

Members: There are currently 649 active members in Division 5 (more 22 members than the last report).



Division Officers

		
Division Chair: Carlos Alberto Martínez-Huitle, Brazil	Chair Elect: Carlos Ponce de Leon Albar, UK	Past Chair: Manuel Rodrigo, Spain

	
Vice-chair: Ignasi Sires	Vice-chair: Minhua Zhou, China

New Chair elects' candidates: Ignasi Sires (Universitat de Barcelona, Spain) and Ricardo Salazar (Pontificia Universidad Católica de Chile, Chile)



1. Contributions to Annual Meetings

Division 5 is usually involved in the organization of the annual meeting and topical meetings. Due to the pandemic, Topical meetings (TM) were cancelled in 2020 and the Division 5 sponsored several electrochemical meetings and symposia, including the Annual Meetings (AM) in 2021, 2022, 2023, 2024 and 2025. This support is most often done through the funding of one or two fellowships to support the participation of young scientists, mainly in TM.

In the 75th AM Electrochemistry – Science and Technology for a Sustainable and Better Planet (18 to 23 August 2024, Montréal, Canada); Division 5 has participated in the organization of 5 symposia, see below the brief description of all symposiums. It is important to remark that, a member of Div 5, **Prof. Gerardine Botte**, will participate as **plenary lecture**.

SYMPOSIUM 3 IMPROVING HEALTH MONITORING AND POLLUTANT DETECTION USING ELECTROCHEMICAL SENSORS. <i>Sponsored by:</i> Division 1, Analytical Electrochemistry Division 4, Electrochemical Materials Science Division 5, Electrochemical Process Engineering and Technology	SYMPOSIUM 10 SUSTAINABILITY AND GREEN ELECTROCHEMICAL SCIENCE AND TECHNOLOGY <i>Sponsored by:</i> Division 5, Electrochemical Process Engineering and Technology
SYMPOSIUM 11 ENERGY ELECTROCHEMICAL TECHNOLOGY/ELECTROSYNTHESIS AND INDUSTRIAL PROCESSES <i>Sponsored by:</i> Division 3, Electrochemical Energy Conversion and Storage Division 4, Electrochemical Materials Science Division 5, Electrochemical Process Engineering and Technology	SYMPOSIUM 14 RECENT ADVANCES IN PHOTOELECTROCHEMISTRY AND PLASMONICS: FUNDAMENTALS AND APPLICATIONS <i>Sponsored by:</i> Division 3, Electrochemical Energy Conversion and Storage Division 7, Physical Electrochemistry Division 5, Electrochemical Process Engineering and Technology
SYMPOSIUM 16 GENERAL SESSION <i>Sponsored by:</i> All Divisions	

Remarks symposium 10: 76 oral presentations including 3 keynote, 10 invited talks, and 02 prize talks as well as 45 posters. It is important to remark that, for first time, parallel sessions have been programmed in symposium 10.



2. Sponsored meetings/schools

- **3rd Symposium on Insights into Gas, Diffusion Electrodes: From Fundamentals to, Industrial Applications**
- **Electrocatalysis in Complex Structures (#ECAT2024)**
- **8th Ertl Symposium on Fundamental to Scale-up science in Electrochemistry (FUSE)**

3. Forthcoming Sponsor meetings

2025

- **76th Annual Meeting (7-12 September, Mainz, Germany). Electrochemistry: From Basic Insights to Sustainable Technologies.** As a result of the contact between the AM organizing committee and Division 5, the sponsored symposium completely defined are as follow:



Symposium 11 Electrochemical technologies for energy and industrial electrosynthesis at scale

Sponsored by: Division 5: Electrochemical process engineering and technology

Symposium 10 Green electrochemistry for a sustainable world

Sponsored by: Division 5: Electrochemical process engineering and technology

Symposium 16 General Session - Hidden treasures – diversity of electrochemistry

Sponsored by: All Divisions

All information will be presented at the 76th AM.

2025

- **Natal, Brazil (39th ISE Topical Meeting)**

39th Topical Meeting of the International Society of Electrochemistry



The role of electrochemistry in sustainable energy and the environment
23 -26 March, 2025 - **Natal, Brazil**



<http://topical39.ise-online.org>

Important Dates

Abstract submission opens: **1 October 2024**

Abstract submission ends: **13 November 2024**

Conference begins: **23 March 2025**



4. ISE Awards

ISE Elsevier Prize for Applied Electrochemistry

The Chair of Division 5 was in the selection committee for the above ISE Prize.

Recipient for 2024: **Edison Huixiang Ang**

National Institute of Education/Nanyang Technological University, Singapore

ISE Elsevier Prize for Green Electrochemistry

The Chair of Division 5 was in the selection committee for the above ISE Prize.

Recipient for 2024: **Yudong Xue**

EPFL Sion, Switzerland

5. **Participation in the Spring joint meeting of the ISE Executive Committee and Scientific Meeting Committee, which was held in the Hotel de la Paix, Lausanne, between March 7th and 9th, 2024.**

Prepared by Carlos A. Martínez-Huitle

On behalf of Division 5

August 18th, 2024