



The
Electrochemical
Society

Advancing solid state &
electrochemical science & technology



2024 YEAR IN REVIEW

Highlights

2024 Year in Review



In 2024, our members' crucial role in addressing global challenges—establishing renewable energy sources, mitigating climate change, providing clean water, finding new and more efficient ways to store and utilize energy, inventing environmentally safe corrosion inhibitors, developing advanced sensors, and more—continues to expand. As the leading society in solid state and electrochemical science, The Electrochemical Society (ECS) is proud to fulfill our urgent mission of empowering our members at the forefront of discovery for the benefit of all humanity.

Key 2024 Societal achievements include:

- Accelerating scientific discovery at ECS meetings by convening record numbers of scientists at all career stages and from all around the world;
- Expanding ECS's membership around the world to the highest number in the Society's history;
- Disseminating groundbreaking research and discoveries broadly through ECS journals, achieving a record 12.1 million downloads from the [ECS Digital Library](#) on IOP Science;
- Supporting and nurturing future leaders, recognizing rising stars via awards, and increasing the number of ECS Student Chapters to 154;
- Achieving strong financial results to sustain these initiatives.



We invite you to UNITE WITH ECS IN 2025!



247th ECS Meeting
Montréal, Canada
May 18-22, 2025
Palais des Congrès de Montréal



248th ECS Meeting
Chicago, IL
October 12-16, 2025
Hilton Chicago

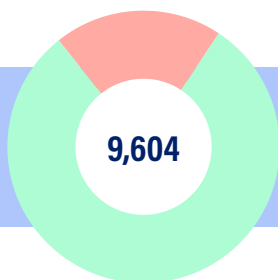


Membership

(Total number in 2024 and percentage increase over 2023)

Total number of members

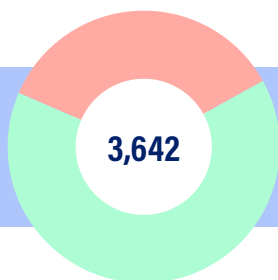
+20%



This is the highest number of members in ECS history!

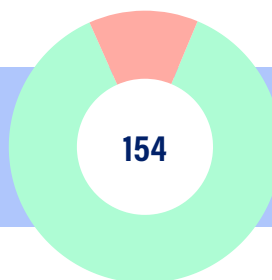
Total number of student members

+35.4%



Total number of ECS Student Chapters

+13%



Total number of institutional members (partners)

51

Locations of new Student Chapters: Canada, China, India, Korea, Mexico, Pakistan, Singapore, Poland, Turkey, UK, US

Honors, Awards, Fellowships, and Grants

ECS Toyota Fellowships

Total \$ awarded

\$150,000

Number of 2024-2025 Fellows

3

(Zheng Chen, Zhongyang Wang, and Juner Zhu)

Grant per recipient

\$50,000

Total \$ awarded since program began

\$1.65 M

Awardees since program began

33

(including 2024-2025 recipients)

ECS Summer Fellowships

Total \$ awarded

\$20,000

Total # of Fellowship recipients

4

\$ amount of each Fellowship

\$5,000

Colin Garfield Fink Fellowship Award \$

\$5,000

Number of 2024 Colin Garfield Fink Fellows

1

(Maha Yusuf)

Travel Grants

245th ECS Meeting

Total \$ awarded: **\$72,515**

Total number of Travel Grants recipients: **124**

PRiME 2024

Total \$ awarded: **\$82,940**

Total # of Travel Grants recipients: **133**

Z01 General Student Poster Awards

Total \$ awarded: **\$10,000**

Total # of Student Poster Award winners: **13**

Society, Division, and Section Awards

Total \$ awarded: **\$92,700**

Total # of Society Award recipients: **7**

Total # of Division Award recipients: **31***

Total # of Section Award recipients: **11***

*Includes Student Award data

Key 2024 Honors & Awards Achievements

- For PRiME 2024, thanks to a partnership between ECS, The Electrochemical Society of Japan (ECSJ), and The Korean Electrochemical Society (KECS), 10 General Student Poster Session Awards were granted rather than the usual three.
- The Society inducted 13 new Fellows of The Electrochemical Society into the 2024 Class.

Rohan Akolkar, Case Western Reserve University

Felix N. Büchi, Paul Scherrer Institut

David Cliffl, Vanderbilt University

Jeffrey Elam, Argonne National Laboratory

Sossina M. Haile, Northwestern University

Mark C. Hersam, Northwestern University

Masayuki Itagaki, Tokyo University of Science

Song Jin, University of Wisconsin–Madison

Sushanta Mitra, University of Waterloo

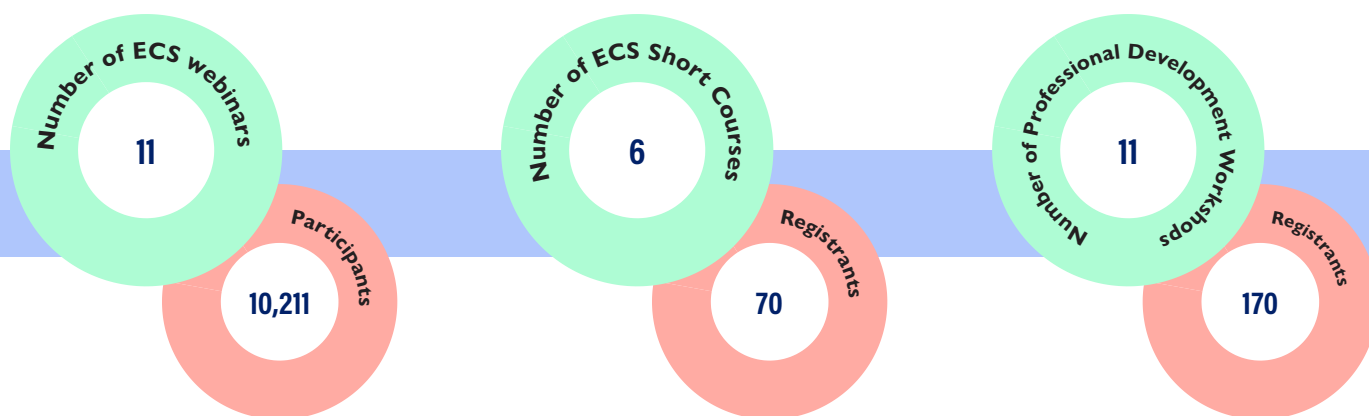
Rana Mohtadi, Toyota Research Institute of North America

David A. Shifler, Office of Naval Research

Jean St-Pierre, Cummins Inc.

Yong Yang, Xiamen University

ECS Education



New Online Courses Launched in 2024

- Materials Science in Lithium-Ion Battery Components: Electrolytes, Anodes, and Cathodes
- Electrochemical Techniques and Diagnostics for Batteries

Meetings

245th ECS Meeting

San Francisco, CA
May 26–30, 2024

Total # of:

- Participants: **2,829** (plus 33 non-technical guests)
- Symposia: **48**
- Sessions: **439**
- Countries represented: **68**
- Abstracts: **3,022**
 - » Student abstracts: **1,306**
- Oral talks: **2,294**
 - » Student talks: **834**
 - » Invited talks: **575**
- Posters: **795**
 - » Student posters: **458**
- ECS award & keynote talks: **25**
- Exhibitors: **42**
- Total external symposium funding: **\$16,585**
- Total division symposium funding: **\$22,300**
- Total number of registration waivers: **14**

PRiME 2024

Honolulu, HI
October 6–11, 2024

The joint international meeting of The Electrochemical Society of Japan (ECSJ), The Korean Electrochemical Society (KECS), and The Electrochemical Society (ECS)

Total # of:

- Cosponsors: **9**
- Participants: **4,811** (plus 89 non-technical guests)
- Symposia: **50**
- Sessions: **572**
- Countries represented: **64**
- Abstracts: **5,122**
 - » Student abstracts: **2,327**
- Oral talks: **3,252**
 - » Student talks: **1,213**
 - » Invited talks: **674**
- Posters: **1,832**
 - » Student posters: **1,103**
- ECS award & keynote talks: **48**
- Exhibitors: **37**
- Total external symposium funding: **\$208,782**
- Total division symposium funding: **\$35,485**
- Total number of registration waivers: **152**

Key 2024 Meetings Achievements

245th ECS Meeting

- The ECS Plenary Lecture delivered by Yury Gogotsi of Drexel University.
- Largest spring technical program and the second largest number of onsite spring attendees in ECS history.
- A networking breakfast was held with the Women in Green Hydrogen group, which aimed to set the table for future cooperation between ECS and this peer society.
- IE&EE restarted their divisional fuel cell car educational outreach program with local area middle- and high schoolers.

PRiME 2024

- PRiME Plenary Lecture delivered by Hiroshi Nishihara of Tokyo University of Science and The University of Tokyo.
- Largest technical program AND largest number of onsite attendees in ECS history.
- PRiME meeting attendees had the opportunity to participate in the Genki Ala Wai Project, a long-term water bioremediation project in Honolulu.

The number of meeting presentations and attendees in 2024 were the highest in ECS's 123-year history.

Publications

2024 Publications Achievements

- Farewell to Dr. **Robert Savinell** as Editor-in-Chief of the *Journal of The Electrochemical Society* (JES)
- Welcome to the new JES Editor-in-Chief, Dr. **David Cliffl**
- Welcome to the inaugural Editor-in-Chief of *ECS Advances* (ECSA), Dr. **Rohan Akolkar**
- Inaugural group of 39 named Top ECS Reviewers announced as Peer Review Excellence Recognition Program launched
- SCOPUS indexes *ECS Advances* (ECSA) and *ECS Sensors Plus* (ECSP)
- Farewell *ECS Transactions*

Look Where ECS was Represented in 2024!*

- **2024 Electrochemistry Gordon Research Conference** | January 7–12 | Ventura, CA
- **The Biophysical Society Annual Meeting** | February 10–14 | Philadelphia, PA
- **ACS Spring 2024 Meeting** (American Chemical Society) | March 17–21 | New Orleans, LA
- **8th Baltic Electrochemistry Conference: Finding New Inspiration 2 (BEChem 2024)** | April 14–17 | Tartu, Estonia
- **2024 MRS Spring Meeting & Exhibit** (Materials Research Society) | April 22–26 | Seattle, WA
- **TechCon 2024** (Society of Vacuum Coaters) | May 5–8 | Chicago, IL
- **2024 Solid State Chemistry Gordon Research Conference** | July 21–26 | New London, NH

- **2024 Battery Safety Workshop** | August 5–6 | Columbia, SC
- **MXenes: Changing the World** | August 5–7 | Philadelphia, PA
- **75th Annual Meeting of the International Society of Electrochemistry** | August 18–23 | Montréal, Canada
- **2024 AIChE Annual Meeting** (American Institute of Chemical Engineers) | October 27–November 1 | San Diego, CA
- **2024 Sustainable Energy Research Conference** | November 11–12 | Chapel Hill, NC
- **Advanced Automotive Battery Conference (AABC)** | December 9–12 | Las Vegas, NV
- **African Materials Research Society (AMRS2024)** | December 16–19 | Kigali, Rwanda

***BLUE** = ECS-Sponsored Meetings;
BLACK = ECS-Exhibited Meetings