

Report on Division 4 (Electrochemical Materials Science) activities from September 2020 to August 2021

We currently have 1290 active members in the division 4 worldwide which represents approximately 50% of the ISE membership. It should be noted that this number has remained constant from 2019 (1259).

The division officers for 2020-2022 term are:

Vincent VIVIER (Chair), France
Monica SANTAMARIA (Past Chair), Italy
Hiroki HABAZAKI (Chair Elect), Japan
Carmen PEREZ (Vice-Chair), Spain
Mikhail ZHELUDKEVICH (Vice-Chair), Germany

Division 4 is usually involved in the organization of the annual meeting and topical meetings. Due to the pandemic, Topical meetings have been cancelled in 2020.

Division 4 has sponsored several electrochemical meetings and symposia. This support is most often done through the funding of one or two fellowships to support the participation of young scientists in these meetings.

1. Organization and co-organization of 10 symposia at the 70th annual ISE meeting (Online Meeting)

Symp. 4 Renewable Energy and Photo-Electrochemistry (D3, D4, D6)

Symp. 9 Electro-physical Chemistry and Application of Platinum Group Metals (D4, D5, D7)

Symp. 10 New Concepts and Opportunities in Electrochemical Synthesis: Fundamentals, Methods and Applications (D4)

Symp. 11 The Science, Technology and Engineering of Corrosion (D4)

Symp. 12 Electrochemical Technology for Water and the Environment for Social, Health and Economic Development (D4, D5)

Symp. 13 Electrografting of Materials: from Fundamentals to Applications (D4, D6)

Symp. 17 Electrochemical Technologies for Sustainable and Advanced Manufacturing (D4, D5) S 18 Electrochemistry and Mining: Minerals and Metal Processing (D4, D5)

Symp. 20 Carbon – A Starring Role in Electrochemistry (D4)

Symp. 21 General Session (all Divisions)

2. Sponsored meetings

2021

Advanced Batteries, Accumulators and Fuel Cells
22-25 August 2021, Brno, Czech Republic, Div 4 & 3

6th International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface

06-09 June 2021, Krakow, Poland, Div 4 & 7

Italian Virtual Workshop on Fuel Cell 2021 (IVWFC 2021)

16-19 March 2021, Online Italy, Div 3 & 4

The 11th International Symposium on Passivity of Metals and Semiconductors

09-12 March 2021, Japan, Div 4

2020

Advanced Batteries, Accumulators and Fuel Cells ABAF-21

6-9 September 2020, Brno, Czech Republic, Div 3 & 4

Despić and Dražić Symposium, Recent trends in Electrochemistry of Deposition, Dissolution and Corrosion

25-28 August 2020, Novi Sad, Serbia, Div 4

3. ISE Awards

Chaired and sponsored ISE prizes

1. ISE-Prize for Electrochemical Material Science (Total 1000 €)
The ISE-Prize for Electrochemical Materials Science is awarded annually to a young researcher for contributions in the field of electrochemical materials science, including corrosion, electrodeposition and surface treatment.
Recipient for 2021: Federico Bella, Politecnico di Torino, Torino, Italy
2. ISE Elsevier Prize for Applied Electrochemistry
The Chair of Division 4 was in the selection committee for the above ISE Prize.
Recipient for 2021: Karthish Manthiram, MIT, Cambridge, USA