



## **Division 1 – Analytical Electrochemistry**

### **Annual Report – August 2020**

#### **Agenda:**

- **Division officers**
- **Coming elections**
- **Past, present and future meetings and symposia**
- **Awards**
- **Budget**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Division Officers

Chair: **Alain Walcarius (CNRS, Université de Lorraine, France)**



Chair Elect: **Luigi Falciola (Università di Milano, Italy)**



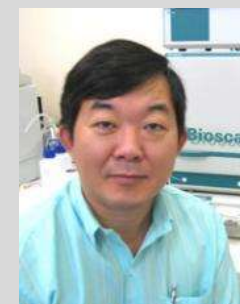
Past Chair: **Daniel Mandler (Hebrew University, Israel)**



Vice-Chairs: **Rasa Pauliukaitė (Vilnius University, Lithuania)**  
**Lauro Kubota (Universidade de Campinas, Brazil)**



Number of Div. 1 members: **1133** of 3871 in 2020  
(**1041** of 3815 in 2019)





# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Coming elections

During the final part of the present year, the members of each Division will be invited to vote for the election of Division Chairs Elect who will serve in the years 2021-2022, becoming then Division Chairs in the years 2023-2024

**Candidates:** **Guy DENUAULT** (University of Southampton, UK)  
**Neso SOJIC** (University of Bordeaux, France)  
**Eleonora-Mihaela UNGUREANU**  
(*"Iuliu Hațieganu"* University of Cluj-Napoca, Romania)



**Thank you for your willingness to serve!**



International Society of Electrochemistry  
Division 1 – Analytical Electrochemistry – Report 2020

## **Past, present and future meetings and symposia**

### **In 2019 (70<sup>th</sup> ISE in Durban, 4-9.8.2019)**

**Division 1 has sponsored :**

**Symposium 1: “Recent Trends in Electroanalysis and Low-Cost Electrochemical Sensors”**

**By Alain Walcarius (Coordinator), Pedro Estrela, Emmanuel Iwuoha, Ritu Katakya**

**Division 1 has been also involved in the organization of the Tutorials (D. Mandler)**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### **Division 1 has also co-sponsored :**

**Symposium 2: “Sensors and Biosensors for Biomedical and Environmental Applications”  
(with Division 2)**

**By Taek Dong Chung (Coordinator), Priscilla Baker, Ronen Fogel, Anthony Guiseppi-Elie**

**Symposium 5: “Gold and Related Noble Metals in Electroanalysis, Electrocatalysis, and Electrochemical Devices” (with Division 6)**

**By Patrizia Mussini (Coordinator), Munkombwe Muchindu, Francesco Paolucci, Jessie Pillay, Alain Walcarius**

**Symposium 19: “Imaging Heterogeneous Electrochemical Processes: From Single Molecules and Nanoparticles to Vesicles and Cells” (with Division 2)**

**By Nongjian Tao (Coordinator), Aziz Amine, Ismael Diez-Perez, Wei Wang**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Past, **present** and future meetings and **symposia**

**In 2020 (71<sup>st</sup> ISE as “Belgrade Online”, 30.8-4.9.2020)**

**Division 1 is sponsoring:**

**Symposium 2: “Nanomaterials in electroanalysis and nanoelectrochemical sensors”**

**By Luigi Falciola (Coordinator), Alain Walcarius, James Rohan, Sotirios Sotiropoulos, Biljana Šljukić, Rasa Pauliukaite, Mariangela Longhi, Alessandro Minguzzi**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### **Division 1 is also co-sponsoring:**

**Symposium 1: “Membrane-based electrodes: from traditional potentiometry to dynamic electrochemistry” (with Divisions 3 and 6)**

**By Maria Cuartero Botia (Coordinator), Gaston Crespo, Maria Assunta Navarra, Guobao Xu, Valentin Mirčeski**

**Symposium 6: “Advances in microbial electrochemistry for energy conversion, biotransformation, bioremediation and electroanalysis” (with Divisions 2, 3 and 4)**

**By Elena Ferapontova (Coordinator), Lo Gorton, Carlo Santoro, Mathieu Etienne, Eileen Hao Yu, Tanja Vidakovic-Koch**

**Symposium 15: “When molecular electrochemistry meets luminescence: from fundamentals to analytical applications” (with Divisions 3 and 6)**

**By Olivier Buriez (Coordinator), Guobao Xu, Conor Hogan, Neso Sojic, Rastko Vasilić**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Past, present and **future** meetings and **symposia**

#### **In 2021 (72<sup>nd</sup> ISE in Jeju, 29.8-3.9.2021)**

**Division 1 is sponsoring:**

**Symposium 1: “Recent developments in Analytical Electrochemistry: from Fundamentals to devices”**

**By Alain Walcarius (Coordinator), Wonyong Lee, Rasa Pauliukaite, Joohoon Kim**

**Division 1 is also co-sponsoring:**

**Symposium 2: “Functional surfaces and electrochemically active materials: preparation and applications” (with Division 4)**

**By Daniel Mandler (Coordinator), Luca Magagnin, Mikhail Vorotyntsev, Youngmee Lee, Seongpil Hwang, Yuanzhe Piao**





# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### **Symposium 3: “Electrochemistry at liquid/liquid interfaces: from fundamental to applications” (with Divisions 2 and 7)**

**By Hye Jin Lee (Coordinator), Hiroshima Nagatani, Zhifeng Ding, Grégoire Herzog**

### **Symposium 5: “New electrochemical approaches and devices for monitoring diseases and human health” (with Division 2)**

**By Elena Ferapontova (Coordinator), Ilaria Palchetti, Haesik Yang, Zong-Hong Lin**

### **Symposium 17: “Molecular Electroanalysis” (with Division 6)**

**By Patrizia Mussini (Coordinator), Luigi Falciola, Guobao Xu, Olivier Buriez, Dongil Lee, Jongwon Kim**

### **Symposium 23: “Electrochemistry knowledge transfer: from academy to startup company and industries” (with Divisions 2, 3, 4, 5 and 6)**

**By Francesca Soavi (Coordinator), Francesco Di Franco, Gerardine Botte, Jose Zagal**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Past, **present** and future **meetings** and symposia

#### **Topical Meetings**

**Unfortunately cancelled due to Covid crisis**

Division 1 is co-sponsoring (with Div. 2):

**27<sup>th</sup> ISE Topical Meeting: “Electroanalytical Chemistry and Bioelectroanalysis”**

**May 18-21, 2020, Snowbird (Salt Lake City), Utah, USA**

**Organised by: Shelley Minter (Coordinator),  
Lane Baker, Carol Korzeniewski**





# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Sponsored meetings

#### In 2019, Division 1 has sponsored :

- **2<sup>nd</sup> European Biosensor Symposium, February 18-21, 2019, Florence, Italy;  
Chairs: Maria Minunni & Francesco Baldini**
- **XXV International Symposium on Bioelectrochemistry and Bioenergetics, May 26-30, 2019, Limerick, Ireland; Chair: Edmond Magner**
- **WEEM-2019 - International Workshop on Electrochemistry of Electroactive Materials, June 16-21, 2019, Borovets, Bulgaria; Chairs: V. Tsakova & M. A. Vorotyntsev**
- **Modern Electrochemical Methods XXXIX, May 20-24, 2019, Jetřichovice, Czech Republic;  
Chair: Tomáš Navrátil**
- **52<sup>nd</sup> Heyrovský Discussion, June 16-20, 2019, Liblice, Czech Republic;  
Chairs: Miroslav Fojta & Tomáš Navrátil**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

- **17<sup>th</sup> International Symposium on Electroanalytical Chemistry & 3<sup>rd</sup> International Meeting on Electrogenenerated Chemiluminescence, August 22-25, 2019, Changchun, China; Chairs: Lehui Lu & Erkang Wang**
- **10<sup>th</sup> Workshop on SECM - Recent Advances and Applications , September 29 - October 3, 2019, Paris, France; Chairs: Fethi Bedioui & Carlos Sanchez-Sanchez**
- **2<sup>nd</sup> Cross-Border Seminar on Electroanalytical Chemistry, April 10-12, 2019, Ceske Budejovice, Czech Republic; Chairs: Jiri Barek & Frank-Michael Matysik**
- **10<sup>ème</sup> édition des Journées de Chimie Analytique (J.C.A.), September 4-6, 2019, Yaoundé, Cameroun; Chair: Emmanuel Ngameni**
- **VII Doctoral Symposium on Chemistry, May 9-10, 2019, Lodz, Poland; Chair: Lukasz Poltorak**
- **14<sup>th</sup> PTA School of Electrochemistry, Dec. 2-6, 2019, São Paulo, Brazil; Chair: Fabio Lima**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Sponsored meetings

#### In 2020, Division 1 is sponsoring:

- ESEAC 2020, The 18<sup>th</sup> International Conference on Electroanalysis, June 14-18, 2020, Vilnius, Lithuania; Chair: Rasa Pauliukaite **Postponed to June 13-17, 2021**
- 41<sup>st</sup> Meeting of the Electrochemistry Group of the Spanish Royal Society of Chemistry and 1<sup>st</sup> French-Spanish Atelier/Workshop on Electrochemistry, June 30 – July 3, 2020, Paris, France; Chair: Carlos Sanchez-Sanchez **Postponed to July 6-9, 2021**
- Jean Pinson Symposium, September 18, 2020, Paris, France; Chair Frédéric Kanoufi **Postponed to 2021**
- ElecNano 9, 9<sup>th</sup> Meeting on Electrochemistry in Nanosciences, November 23-25, 2020, Paris, France; Chair: Vincent Vivier



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

- **3<sup>rd</sup> Cross-Border Seminar on Electroanalytical Chemistry, April 15-17, 2020, Furth im Wald, Germany; Chairs: Jiri Barek & Frank-Michael Matysik** **Cancelled and postponed**
- **YISAC 2020, 27<sup>th</sup> Young Investigators' Seminar on Analytical Chemistry, June 30 – July 3, 2020, Lodz, Poland; Chair: Lukasz Poltorak** **Postponed to September 22-25, 2020**
- **BES 2021, XXVI<sup>th</sup> International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, May 9-13, 2021, Cluj-Napoca, Romania; Chair: Robert Sandulescu**



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Division Awards

#### The Early Career Analytical Electrochemistry Prize of ISE Division 1 (Sponsored by Orignalys)

- **2014: Dr Jan Vacek (Palacky Univesity, 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







# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### The Early Career Analytical Electrochemistry Prize of ISE Division 1 (Sponsored by Orignalys)

- **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 (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







# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Division Awards

#### The Early Career Analytical Electrochemistry Prize of ISE Division 1 (Sponsored by Orignalys)

➤ **Winner for 2020: Cameron L. BENTLEY**  
(Senior Research Fellow, University of Warwick, Coventry, UK)

for his achievements in using nanoscale electrochemistry to understand various phenomena with broad impact in electrocatalysis, materials science and nanoscience

**Congratulations!**





# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

## Division Awards

### Travel grants for PhD students

- **2018: Five awardees**
  - **2019: Two awardees:**
    - # **Konrad RUDNICKI (University of Lodz, Poland)**
    - # **Narshone SODA (Griffith University, Australia)**
  - **2020: Unfortunately no awardees because of cancellation of 71<sup>st</sup> ISE Annual Meeting in Belgrade ... Expecting more travel grants to be awarded for 72<sup>nd</sup> ISE in Jeju !!!**
- Criteria for application:
- The applicant must be a certified PhD student by the time of the Annual Meeting and member of the ISE (Division 1).
  - The applicant will present an oral contribution at one of the symposia organized (or co-organized) by Division 1.



# International Society of Electrochemistry

## Division 1 – Analytical Electrochemistry – Report 2020

### Division Budget – 2020

- **Income:**
  - remaining 2019: € 2 505.30
  - allocated 2020: € 3 998.11
  - unused from 2019: -€ 0.00
  - meeting surplus: € 0.00

**Total income: € 6 503.41**
  
- **Expenses:**
  - meetings sponsoring: € 600.00
  - Belgrade communications prizes: € ? (to be defined)
  - travel awards (Belgrade) 0×300 euro € 0.00  
(cancelled)

**Total expenses: € 600.00 + ?**
  
- **Available to Div. 1 in 2020: € 5 903.41 - ?**

The Covid crisis has generated less expenses than expected in 2020!