Division 1 – Analytical Electrochemistry
Annual Report – August 2020

Agenda:

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

In 2019 (70th 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 Kataky

Division 1 has been also involved in the organization of the Tutorials (D. Mandler)
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
Past, present and future meetings and symposia

In 2020 (71st 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
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
Past, present and future meetings and symposia

In 2021 (72\textsuperscript{nd} 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
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
Past, present and future meetings and symposia

Topical Meetings

Unfortunately cancelled due to Covid crisis

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

27th ISE Topical Meeting: “Electroanalytical Chemistry and Bioelectroanalysis”

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

Organised by: Shelley Minteer (Coordinator),
Lane Baker, Carol Korzeniewski
Sponsored meetings

In 2019, Division 1 has sponsored:

- 2nd 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
- Modern Electrochemical Methods XXXIX, May 20-24, 2019, Jetřichovice, Czech Republic; Chair: Tomáš Navrátil
- 52nd Heyrovský Discussion, June 16-20, 2019, Liblice, Czech Republic; Chairs: Miroslav Fojta & Tomáš Navrátil
17th International Symposium on Electroanalytical Chemistry & 3rd International Meeting on Electrogernated Chemiluminescence, August 22-25, 2019, Changchun, China; Chairs: Lehui Lu & Erkang Wang

10th Workshop on SECM - Recent Advances and Applications, September 29 - October 3, 2019, Paris, France; Chairs: Fethi Bedioui & Carlos Sanchez-Sanchez

2nd Cross-Border Seminar on Electroanalytical Chemistry, April 10-12, 2019, Ceske Budejovice, Czech Republic; Chairs: Jiri Barek & Frank-Michael Matysik

10ème 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

14th PTA School of Electrochemistry, Dec. 2-6, 2019, São Paulo, Brazil; Chair: Fabio Lima
Sponsored meetings

In 2020, Division 1 is sponsoring:

- ESEAC 2020, The 18th International Conference on Electroanalysis, June 14-18, 2020, Vilnius, Lithuania; Chair: Rasa Pauliukaite  
  Postponed to June 13-17, 2021

- 41st Meeting of the Electrochemistry Group of the Spanish Royal Society of Chemistry and 1st 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, 9th Meeting on Electrochemistry in Nanosciences, November 23-25, 2020, Paris, France; Chair: Vincent Vivier
3rd 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, 27th Young Investigators’ Seminar on Analytical Chemistry, June 30 – July 3, 2020, Lodz, Poland; Chair: Lukasz Poltorak  
Postponed to September 22-25, 2020

BES 2021, XXVIth International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, May 9-13, 2021, Cluj-Napoca, Romania; Chair: Robert Sandulescu
Division Awards

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

- **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
The Early Career Analytical Electrochemistry Prize of ISE Division 1 (Sponsored by Origalys)

- **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.
Division Awards

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

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!
Division Awards

Travel grants for PhD students

- **2018**: Five awardees
  - The applicant must be a certified PhD student by the time of the Annual Meeting and member of the ISE (Division 1).

- **2019**: Two awardees:
  - Konrad RUDNICKI (University of Lodz, Poland)
  - Narshone SODA (Griffith University, Australia)

- **2020**: Unfortunately no awardees because of cancellation of 71st ISE Annual Meeting in Belgrade ...
  - Expecting more travel grants to be awarded for 72nd ISE in Jeju !!!
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 (cancelled): € 0.00  
  **Total expenses**: € 600.00 + ?

- **Available to Div. 1 in 2020**: € 5 903.41 - ?

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