



29th Topical Meeting of the International Society of Electrochemistry

Important Dates Abstract submission opens: **October 2020**
Deadline for abstract submission: **15 December 2020**

Conference Venue & Location

The conference will be held at the Hotel Galant, Mikulov. It is a modern hotel, winner of the E.ON Energy Globe Award for its optimisation of energy utilisation and reuse of CO₂ produced in its winery and brewery. Mikulov city is a historical site. The first written record of it dates back to 1173. In the 17th century, Mikulov transformed from a small provincial town into the most important town in Moravia at that time. Its new appearance was inspired by Italian renaissance architecture. Later on, however, this promising development was stopped by the Turkish and Hungarian wars and the destructive fires of 1663 and 1719. The town's geographical location made it a place where cultural and religious currents and various ethnic groups came together, and their legacy can be clearly seen in the town to this day.



Transportation

Mikulov can be easily accessed from Vienna International Airport, 100 km away; a 90-minute journey in shuttle buses will be organized at cost. An alternative option is Vaclav Havel International Airport in Prague. After transport to Prague's Central Railway Station, Mikulov can be reached by train with one change in the city of Břeclav. The journey takes about 3 hours and 40 minutes.

Climate

The climate is typical of Central Europe. In spring the climate is mild and pleasant. In the middle of April, daytime temperatures of around 20 °C can be expected. The probability of rain is approximately 25 %.

29th Topical Meeting of the International Society of Electrochemistry



Energy and water:
electrochemistry in securing the
sustainable society development

18 -21 April 2021
Mikulov, Czech Republic



Call for Papers

<http://topical29.ise-online.org>



29th Topical Meeting of the International Society of Electrochemistry

Energy and water: electrochemistry in securing the
sustainable society development



Organizing Committee

Karel Bouzek, UCT Prague, Czech Republic (**co-chair**)
Miroslav Fojta, Institute of Biophysics of the CAS, Czech Republic (**co-chair**)
Yolina Hubenov, Bulgarian Academy of Sciences, Bulgaria
Mark E. Orazem, University of Florida, USA
Manuel A. Rodrigo, University of Castilla-La Mancha, Spain
Carlo Santoro, University of the West of England, UK

Local Organizing Committee

Jiří Barek (Charles University, Prague)
Tomas Bystron (University of Chemistry and Technology, Prague)
Martin Hof (J. Heyrovsky Institute of Physical Chemistry of CAS, Prague)
Ladislav Kavan (J. Heyrovsky Institute of Physical Chemistry of CAS, Prague)
Roman Kodym (University of Chemistry and Technology, Prague)
Karel Lacina (CEITEC Masaryk University, Brno)
Jan Macák (University of Pardubice; CEITEC University of Technology, Brno)
Martin Páidar (University of Chemistry and Technology, Prague)
Petr Sába (Tomas Bata University, Zlín)
Jiří Zima (Charles University, Prague)

Invitation

You are cordially invited to join us in Mikulov, Czech Republic, from 18 to 21 April 2021 during the **29th Topical Meeting of the International Society of Electrochemistry**. This meeting aims to bring together researchers representing a broad spectrum of scientists ranging from fundamental to industrial research in the fields of electrochemical phenomena and processes. The city of Mikulov is an excellent location for such an event. It has a rich history and long tradition of a multicultural community and moreover it is situated in the heart of the Pálava Protected Landscape Area, famous for its traditional wineries and attractive landscape. All this is complemented by opportunities for interesting visits to sites like the UNESCO World Heritage Lednice-Valtice Cultural Landscape and the protected Moravian Karst area. All these aspects add up to a relaxing, friendly atmosphere, generating a productive gathering and inspiring discussions.

Scientific Scope of Conference

As the main conference motto indicates, energy and the environment probably represent the two most important challenges currently facing mankind. At the same time, although they may sound heterogeneous and wide-ranging, these topics are closely interconnected by numerous aspects and they form a unique research and development field. Electrochemistry can make a significant contribution to this important complex topic in a number of unique ways. The main obstacle to the broad application of electrochemical techniques for water treatment technology is the accessibility of an affordable and, preferentially, environmentally neutral source of electrical energy. On other hand, this is closely connected with the availability of energy conversion and storage technology, enabling efficient exploitation of renewable energy sources which are characterised by intermittent supply. In certain cases, pollution treatment can be directly connected with electrical energy production, e.g. in biological fuel cells or in the reverse electro dialysis process using concentrate streams from reverse electro osmosis, among other processes. Electrochemistry also provides unique opportunities for monitoring both the pollution level and the operation of the technologies involved, as well as the development of new, related, and ideally pollution-free technologies. The combination of basic electrochemical research, electrochemical process engineering and environmental protection with renewable energy offers new and efficient approaches to a more sustainable development for the benefit of society.

Call for Papers

Abstract submissions are invited for oral and poster presentations. All abstracts must be submitted via the online submission system that will open in October 2020. The deadline for abstract submission will be **15 December 2020**. The abstract must be written in English and must not exceed one page (including figures, tables and references).