

Conference hashtag #issis2021

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

📅 6th - 9th June 2021

📍 Krakow, Poland



www.issis.edu.pl



**Jerzy Haber Institute of
Catalysis and Surface
Chemistry**
Polish Academy of Sciences



Jagiellonian University
Faculty of Chemistry



**Foundation
"Pro-Kataliza"**



under the auspices of the
International Society of Electrochemistry

Invitation

You are warmly invited to the **6th International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface** to be held in Krakow, Poland from **6th to 9th June 2021**.
The conference will be hosted at the Faculty of Chemistry, Jagiellonian University.

International Scientific Committee

Philippe Allongue, École Polytechnique, France

Angelika Brückner, UR, Germany

Per Claesson, KTH, Sweden

Angel Cuesta Ciscar, UA, Scotland, UK

Magdalena Dudek, AGH, Poland

Juan M. Feliu, UA, Spain

Michael Giersig, FU Berlin, Germany

Marian Jaskuła, JU, Poland

Wolfgang Kautek, UV, Austria

Christopher Lucas, UL, UK

Daniel Mandler, HUJI, Israel

Michał Mosiałek, ICSC PAS, Poland **Chair**

Paweł Nowak, ICSC PAS, Poland

Elena Pastor Tejera, ULL, Spain

Wojciech Simka, SUT, Poland

Grzegorz D. Sulka, JU, Poland **Co-chair**

Galina A. Tsirlina, MSU, Russia

Kohei Uosaki, NIMS, Japan

Mikhail A. Vorotyntsev, MSU, Russia

Piotr Warszyński, ICSC PAS, Poland

Małgorzata Witko, ICSC PAS, Poland

Leszek Zaraska, JU, Poland

Mikhail Zheludkevich, HZG, Germany



Local Organizing Committee

Agnieszka Brzózka, JU, Poland

Magdalena Jarosz, JU, Poland

Dmitry Kharitonov, ICSC, Poland

Anna Komenda, ICSC, CB RTP, Poland

Grzegorz Mordarski, ICSC, Poland

Michał Mosiałek, ICSC, Poland, **Organizer**, e-mail: nbmosial@cyfronet.pl

Paweł Nowak, ICSC, Poland

Piotr Skowron, ICSC, Poland

Robert P. Socha, ICSC, CB RTP, Poland

Grzegorz D. Sulka, JU, Poland, **Co-organizer**, e-mail: sulka@chemia.uj.edu.pl

Karolina Syrek, JU, Poland

Leszek Zaraska, JU, Poland

Małgorzata Zimowska, ICSC, Poland

Main topics of the conference

☞ New materials for electrochemistry and energy related applications - their synthesis and characterization by *in situ* and *ex situ* spectroscopic, microscopic, SPM, and electrochemical techniques

☞ Nanomaterials for energy storage, energy conversion, and sensing applications

☞ Application of spectroscopic, microscopic, SPM, and electrochemical techniques in studies of surfaces modified by metal oxides, semiconductors, polymers, colloids, hybrid materials, and nano-sized catalysts

☞ High resolution imaging of clusters, biomolecules, and biological systems and their characterization using the electrochemical methods

☞ Fundamentals of surface structure, reactivity, and electron transfer – comparison of experimental and theoretical results

Plenary lectures



Per Claesson, KTH Royal Institute of Technology, Sweden



















Michael Giersig, Freie Universität Berlin, Germany
"Specific catalytic properties of nanomaterial in microgravity"







Mikhail Zheludkevich, Helmholtz-Zentrum Geesthacht, Germany
"Electrochemical imaging of degrading metallic surfaces"

Invited lectures

-  **Philippe Allongue**, École Polytechnique, France
"Electrodeposition of magnetic ultrathin films including their in situ magnetic characterizations and in situ MOKE microscopy imaging of the dynamic magnetic domains"
-  **Marco Altomare**, Friedrich Alexander University, Germany
"Metal Nanoparticles by Solid State Dewetting: Use in Photocatalysis, In-Situ Characterization and Perspective Applications"
-  **Angelika Brückner**, University of Rostock, Germany
"Monitoring electron transfer at the solid/liquid interface of working catalysts by in situ EPR spectroscopy"
-  **Angel Cuesta Ciscar**, University of Aberdeen, Scotland, UK
-  **Magdalena Dudek**, Department of Fuels and Energy, AGH University of Science and Technology, Poland
"Waste-to-bioenergy and fuel cell systems"
-  **Juan M. Feliu**, The University of Alicante, Spain
"Effect of surface structure on interfacial acid-base properties"
-  **Wolfgang Kautek**, University of Vienna, Austria
„Green electrodeposition of alloys“
-  **Christopher Lucas**, University of Liverpool, UK
„Potential induced structural deformation at electrode surfaces“
-  **Daniel Mandler**, The Hebrew University of Jerusalem, Israel
-  **Alexander Mozalev**, Brno University of Technology, Czech Republic
"ZrO₂ nanorod arrays highly aligned on substrates: anodic formation, characterization, modification, and properties"
-  **Joanna Niedziółka-Jönsson**, Polish Academy of Sciences, Poland
-  **Magdalena Parlińska-Wojtan**, Polish Academy of Sciences, Poland
-  **Elena Pastor Tejera**, University of La Laguna, Spain
"Noble metal free catalysts for electrolyzers and PEM fuel cells"
-  **Jacek Ryl**, Gdansk University of Technology, Poland
"A new approach towards impedance biosensing by multifrequency measurements"
-  **Wojciech Simka**, Silesian University of Technology, Poland
"Anodic oxidation - from laboratory to industrial practice"
-  **Katarzyna Siuzdak**, Polish Academy of Sciences, Poland
"Side selective laser tailoring of the titania towards enhanced electrochemical response"

Invited lectures

-  **Galina A. Tsirlina**, M. V. Lomonosov Moscow State University, Russia
"Manganese dioxide, the ambiguously named electrode material"
-  **Kohei Uosaki**, National Institute for Materials Science, Japan
"Electrochemical Growth of Very Long (~80 micrometer) Crystalline Li2O2 Nanowire and Its Growth Mechanism"
-  **Mikhail A. Vorotyntsev**, M. V. Lomonosov Moscow State University, Russia
-  **Piotr Żabiński**, AGH University of Science and Technology, Poland
"Magnetic field assisted single step electrodeposition of CoFe based nanoconical structures"

The workshop



Electrochemistry and Decarbonization Strategies

Wolfgang Kautek, University of Vienna, Austria

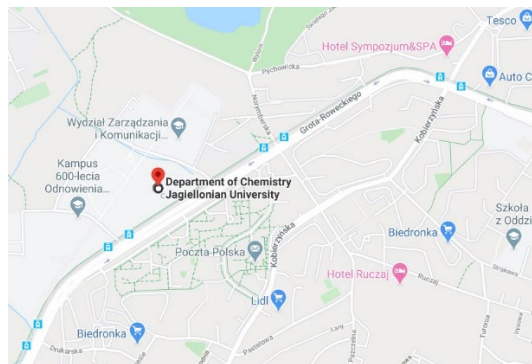
Special issue of *Electrochimica Acta*



A special issue of *Electrochimica Acta*, open for all participants, will be published after the conference.

Participants will have the opportunity to publish their work presented at the Symposium in a special issue of *Electrochimica Acta* (**Impact Factor: 6.215**). All submitted manuscripts will be reviewed with the same criteria as those applied to papers submitted to regular issues. Each participant, no matter of the form of presentation, can submit only one manuscript.

The conference venue



Faculty of Chemistry

Jagiellonian University

Gronostajowa 2, 30-387 Kraków, Poland

→ Plus Code on Google Map: **2WH4+FX Kraków**

→ <https://goo.gl/maps/SBoVyhmmag33L1MA>

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Important dates

	Date
Early Bird Registration Deadline	30 th April 2021
Deadline for Abstract Submission for Oral Presentation	20 th April 2021

Conference fee

	Early bird	Regular
Regular participant	300 € (1300 PLN)	350 €
Student	150 € (650 PLN)	170 €
Invited Speakers	150 €	
Participant without presentation	150 €	

Please note: if the course of euro significantly changes, the prices in PLN will be corrected

Conference fee includes: Participation in the conference, Conference materials, Coffee breaks and lunches, Refreshments during the poster session, Welcome reception.

Financial support for participants from the less-privileged countries

Thanks to the financial support from the **International Society of Electrochemistry**, we can cover the conference fees for applicants from the less-privileged countries. The applications should be sent to the organizers by 30th of April 2021.

Commercial participants

Commercial enterprises are invited to present their products during the conference. Cost of participation 370 Euro, VAT not included (1600 PLN net).

The fee covers: stand and poster table close to the conference room for presenting the products during the whole conference and one page in the book of abstracts for advertisements.

Forms of participation

Oral presentation on invitation of the organizers or selected from among submitted abstracts. All participants will have also the opportunity to present their achievements in the form of posters.



Abstract and registration form

Please visit an official website of the conference: <http://issis.edu.pl/>

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