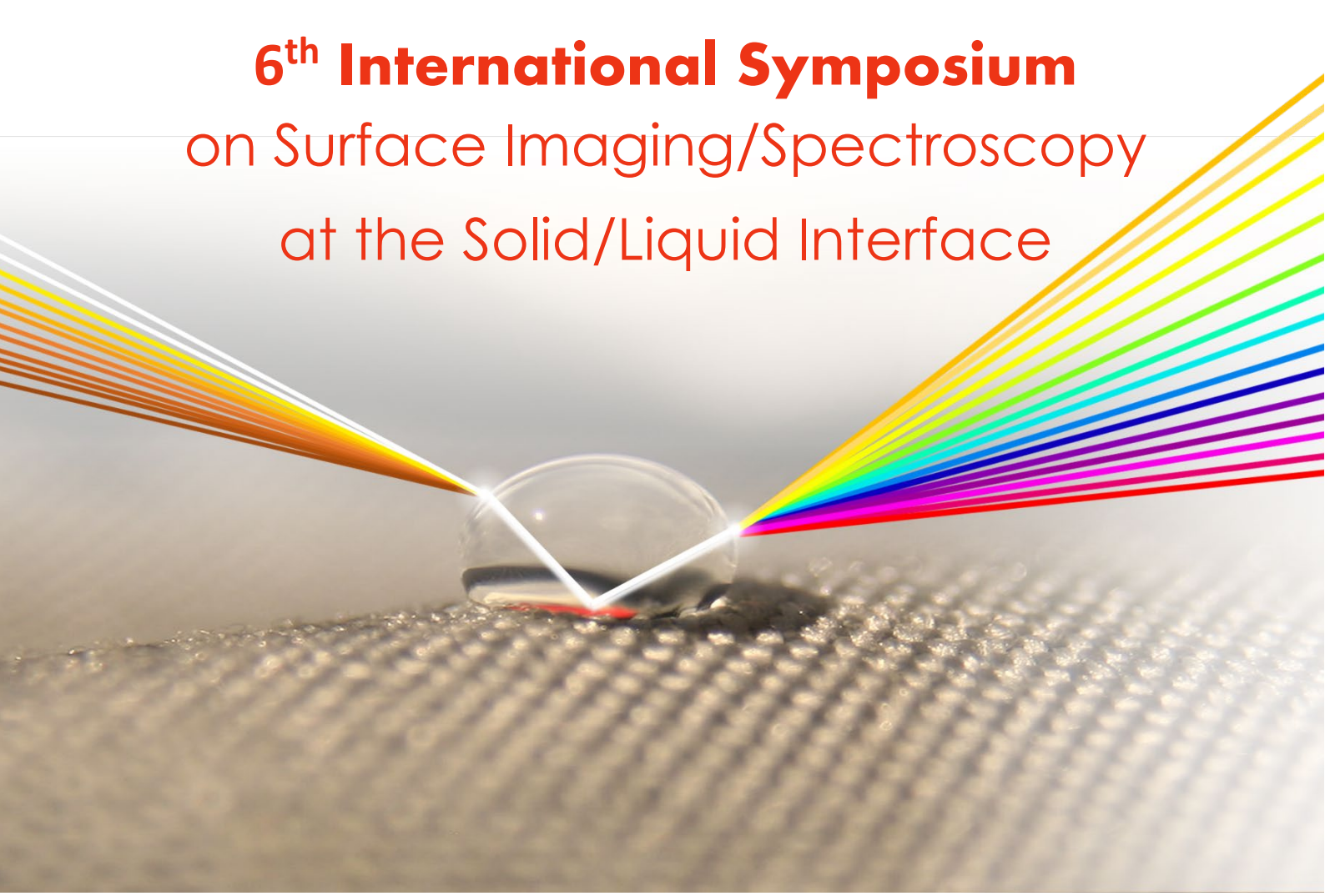
6th International Symposium

on Surface Imaging/Spectroscopy at the Solid/Liquid Interface



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

Miasto Kraków

Invitation

You are warmly invited to the 6th International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface from **6th to 9th June 2021**. Due to the current Covid-19 pandemic, the meeting will be run in a virtual format. Online participation will be supported by the MS Teams platform.
We look forward to welcoming you to the online event.
Let's enjoy exquisite science in an inspiring environment.

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

Mateusz Brela, JU, Poland
Agnieszka Brzózka, JU, Poland
Magdalena Jarosz, JU, Poland
Dmitry Kharitonov, ICSC, Poland
Anna Komenda, ICSC, CBRTP, 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, CBRTP, 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

Michael Giersig, Freie Universität Berlin, Germany
Institute of Fundamental Technological Research Polish Academy of Sciences, Warsaw
"*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
"The Dehydrogenation of Methanol on Pt Electrodes as Revealed by Time-Resolved ATR-SEIRAS"

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
"The "Nano to Nano" approach: Using Nanomaterials as Building Blocks for Electrodeposition"

Alexander Mozalev, Brno University of Technology, Czech Republic
"ZrO_2 nanorod arrays highly aligned on substrates: anodic formation, characterization, modification, and properties"

Joanna Niedziółka-Jönsson, Polish Academy of Sciences, Poland
"Metallic nanostructures for (bio)sensing"

Magdalena Parlińska-Wojtan, Polish Academy of Sciences, Poland
"Does shape matter? In-situ and post-mortem synthesis and characterization of nanoparticles for various applications"

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"

Invited lectures

Katarzyna Siuzdak, Polish Academy of Sciences, Poland
"Side selective laser tailoring of the titania towards enhanced electrochemical response"

Sefik Suzer, Bilkent University, Turkey
"Exploring Charge-Dynamics of Ionic-Liquid Electrolytes within Energy Storage Devices with Operando X-Ray Photoelectron Spectroscopy"

Galina A. Tsirlina, M. V. Lomonosov Moscow State University, Russia
"Manganese dioxide, the ambiguously named electrode material"

Mikhail A. Vorotyntsev, Russian Academy of Sciences, Russia
"Bromate and chlorate electroreduction processes and prospects of their application in flow batteries"

Piotr Żabiński, AGH University of Science and Technology, Poland
"Magnetic field assisted single step electrodeposition of CoFe based nanoconical structures"

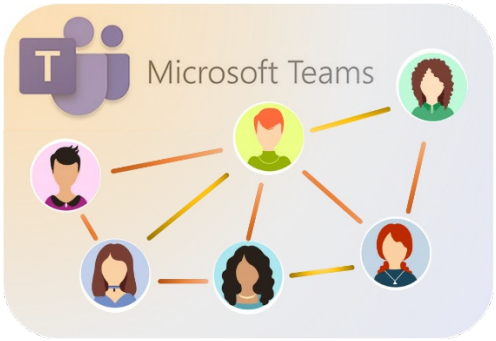
The workshop

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

▼▼▼▼▼
Due to the current Covid-19 pandemic, the meeting will be run in a virtual format. **Online participation will be supported by the MS Teams platform.**

Important dates

	Date
Registration Deadline	30th April 2021
Deadline for Abstract Submission for Oral Presentation	20th April 2021
Conference begins	6th June 2021

Conference fee

	Regular
Regular participant	50 € (226 PLN)
Student	15 € (68 PLN)
Invited Speakers	25 € (113 PLN)
Participant without presentation	15 € (68 PLN)

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.*

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 150 Euro, VAT not included (650 PLN net).

The fee covers: displaying an advertisement during breaks 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/

Address for correspondence

Michał Mosiałek
Jerzy Haber Institute of Catalysis and Surface Chemistry
Polish Academy of Sciences

Niezapominajek 8
30–239 Krakow, Poland
tel. +48 12 6395131, fax +48 12 4251923
ncissis@cyf-kr.edu.pl