

EIS 2023

第十二届国际电化学阻抗谱会议 12th International Symposium on EIS



清華大學
Tsinghua University

The 12th International Symposium on EIS (EIS2023) is to be held in July 2~7, 2023, Beijing, China, after unfortunate postponement due to Covid-19. This international symposium has been held every three

years after its initiation in France in 1989, and has evolved into the leading event for the EIS research providing a unique opportunity for EIS practitioners around the world to gather together, share ideas, and cultivate friendship. The venues have been alternated between Europe and North America, South America, Japan. It is the first time that this symposium will be held in China.

EIS2023 will cover all major EIS areas, i.e. EIS fundamentals, technologies and instruments, EIS applications in corrosion, electrochemical energy conversion & storage, electrochemical reaction, analysis and sensors. During EIS2023, there will be oral and poster contributions, electrochemical instruments & technologies exhibition and short course, showcasing the diverse aspects of the various fields of EIS applications.

Scientific Scopes

Following the previous symposiums, EIS2023 will feature all aspects of the interdisciplinary areas of Electro-chemical Impedance Spectroscopy on the following topics.

EIS Fundamentals, Technologies and Instruments

- Frequency dispersion and constant phase element
- Global and local EIS
- EIS measurement and Data process & analysis
- Emerging EIS methods & New instruments

EIS Applications in Corrosion

- Electrochemical kinetics and mechanisms of metallic corrosion
- Corrosion failures and applications of organic or inorganic coatings, conversion films, plating or deposits, electronic and ionic conducting polymers.
- Corrosion inhibitor and mechanisms
- Electrochemical protections, Corrosion monitoring & inspection techniques

EIS Application in Electrochemical Energy Conversion & storage

- Electrochemical energy conversion and storage materials
- Batteries, fuel cells, super-capacitors and dielectric material or electrolyzes
- Solid-state systems

EIS Application in Electrochemical Reaction, Analysis, and Sensors

- Carbon dioxide reduction reaction (CO₂RR)
- Nitrogen reduction reaction (NRR)
- Other electrochemical catalyst reactions
- Electrochemical analysis, Photoelectric chemistry and sensors

Exhibition, short course and visits

During the EIS2023, the exhibition of electrochemical instruments & technology will be held. At the same time, short course will be organized for students and others. Additionally, a visit will be organized for delegates.

Important Dates

October 15, 2022	Meeting abstract submission opens on line
January 20, 2023	Deadline of abstract submission on line
February 20, 2023	Notification of acceptance to authors by e-mail
March 20, 2023	Deadline of early registration fees on line
April 25, 2023	Registration deadline for presentation(s) on line (Presentations without a registered speaker or Poster presenter will be cancelled and removed from the program on April 30, 2023)
July 2, 2023	Registration on site for EIS2023
July 3-7, 2023	EIS2023 in Beijing

Contact for information on EIS2023

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Or contact the following enthusiastic professors or experts who are invited by EIS2023

Annick Hubin	VRIJE Universiteit, Brussel, Belgium
Arkady Karyakin	Lomonosov University, Russia
Hercilio de Melo	Depto. de Eng. Metalúrgica e de Materiais-EPUSP, Brazil
Mark E. Orazem	University of Florida, USA
Masayuki Itagaki	Tokyo University of Science, Japan
Mamié Sancy	Pontificia Universidad Católica, Chili
Martin Bojinov	University of Chemical Technology and Metallurgy, Bulgaria
Michele Curioni	University of Manchester, UK
Norbert Wagner	Institut für Technische Thermodynamik, Germany
Vincent Vivier	sorbonne-universite, France
Ramon Novoa	Universidade de Vigo, Spain
Raphael Berger	International Society of Electrochemistry
Zhang Xueyuan	Gamry Instruments, USA
Zorica Stojanovic	University of Novi Sad, Serbia

