



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



清华大学
Tsinghua University

Welcome you to attend EIS2022 which will be held by Beijing University of Chemical Technology and Tsinghua University in July 3-8, 2022 in Beijing China. This international symposium is held every

three years. Since the first international symposium on electrochemical impedance spectroscopy was held in France in 1989, this symposium was held in Europe, North America, South America and Japan. It is the first time that EIS2022 will be held in China. This symposium has evolved into one of the leading events in electrochemical impedance spectroscopy providing a unique opportunity to gather experts of different fields around this powerful technique.

EIS2022 will mainly focus on EIS fundamentals, technologies and instruments, and its applications in corrosion, electrochemical energy conversion & storage, electrochemical reaction, analysis, and sensors. During EIS2022, there will be the 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, EIS 2022 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 electrolytes
- 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 EIS 2022, 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 to have opportunities for exchanges.

Important Dates

October 15, 2021	Meeting abstract submission opens on line
January 20, 2022	Extended deadline of abstract submission on line
February 20, 2022	Notification of acceptance to authors by e-mail
March 20, 2022	Deadline of early registration fees on line
April 25, 2022	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, 2022)
July 3, 2022	Registration on site for EIS2022
July 4-8, 2022	EIS 2022 in Beijing

Contact for information on EIS 2022

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Or contact the following enthusiastic professors or experts who were invited by EIS 2022

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
Mami éSancy	Pontificia Universidad Católica, Chile
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	Universidad de Vigo, Spain
Raphael Berger	International Society of Electrochemistry
Zhang Xueyuan	Gamry Instruments, USA
Zorica Stojanovic	University of Novi Sad, Serbia

