

5th International Workshop on Impedance Spectroscopy

September 26 – 28, 2012, Chemnitz – Germany

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Call for Papers

organized by

Chemnitz University of Technology

IEEE Instrumentation and Measurement Chapter, Germany

Venue

Chemnitz, more than 800 years old, is situated in the heart of Saxony. The city is the third-largest in Saxony and is designated as "City of Modernity". Developed at the time of Classical Modernism, it became the "Manchester of Saxony", giving impetus to the development of business and science. The influences of the cultural and architectural modernism are visible so that Chemnitz is today city with many interesting facets. Fascinating architecture reflects the changing times and spirit of those things which have shaped the city: retrofitted Gründerzeit residential quarters such as Kassberg, Villa Esche or the city center, which has been completely modified since Reunion, constructed by Helmut Jahn, Hans Kollhoff and Christoph Ingenhoven, bridge the gap from yesterday to today and tomorrow.

Aims & Scope

Impedance Spectroscopy is used as measurement method in many applications fields such as electro chemistry, material science, biology and medicine, semiconductor industry and sensors. In spite of the different applications, the methodological procedure remains in many aspects similar. The International Workshop on Impedance Spectroscopy (IWIS) has the aim to serve as a forum for specialists to present their research results in different fields of applications of Impedance Spectroscopy and to share experiences with other attendees coming from all over the world.

The workshop includes keynote lectures as well as tutorials and oral and poster sessions. In parallel an exhibition shows interesting products of important manufacturers.

All papers will be peer reviewed on the basis of the submitted abstracts and acceptance will be based on quality, originality and relevance. Presented workshop contributions can be published in referred workshop proceedings by Taylor & Francis as the fourth volume of the series lecture notes on impedance spectroscopy.

Topics

The 5th international Workshop on Impedance Spectroscopy will include topics related (but not limited) to the following list:

- Principles and Fundamentals of Impedance Spectroscopy (IS)
- Energy Storage, Batteries and Fuel Cells
- Biomedical and Biological Applications
- Material Testing, Corrosion and Coatings
- Inductive, Capacitive and Resistive Sensors
- Solid State Systems
- Spectral Induced Polarisation in Geosciences
- Dielectric Materials
- Local Electrochemical Impedance Spectroscopy
- Signal Processing and Modelling
- Instrumentation & Data Acquisition
- Methods for Data Consistency Check
- Electrochemical Mechanisms

Abstract Submission

Abstracts submitted to IWIS 2011 should be written in English and limited to two pages including state-of-the-art, main idea of the contribution, reached results and practical application. Abstracts should be submitted to: mst@tu-chemnitz.de

Important Deadlines

July 15, 2012: Submissions of abstracts

August 4, 2012: Notifications of acceptance

August 24, 2012: Submission of final abstracts

October 15, 2012: Submission of final papers

Contact

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