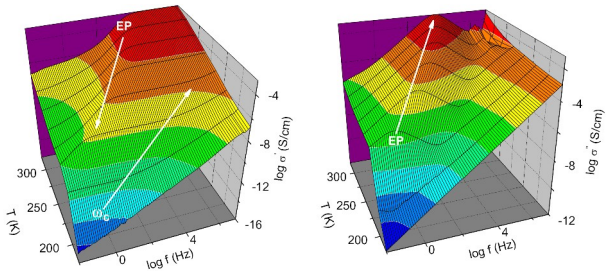


Seminar and Training Course on Broadband Dielectric and Electrochemical Impedance Spectroscopy

October 8-10, 2024

Novocontrol Technologies
Montabaur, Germany

Including

- Basics of Ion and Electron Transport in Solids
- Ion Transport in Nanostructured Materials: Bulk and Interfacial Processes
- Dynamics in Geometrically Confined Systems
- Electrode Polarisation and Electrochemical Double Layer Formation
- Characterisation of Processes in Modern Electrochemical Cells (Batteries, Supercapacitors, Fuel Cells)
- Latest Developments in Instrumentation
- Hands-on Measurements

Preliminary Schedule

Time	Lecturer	Topic
Tuesday, October 8, 2024		
12.30 – 13.30		Informal lunch and Welcome Coffee
13.30 – 13.45	B. Roling, F. Kremer	Introduction, Organisational Issues
13.45 – 15.45	B. Roling	Basic Introduction to Broadband Dielectric and Impedance Spectroscopy (for participants with little or no experience)
13.45 – 15.45	F. Kremer	Introduction to Broadband Dielectric Spectroscopy (for participants with more experience)
15.45 – 16.15		Coffee Break
16.15 – 18.00		Hands-on Experience and Discussions: Participants perform and evaluate their own experiments, if possible on their own samples.
19:00		Dinner
Wednesday, October 9, 2024		
8.30 – 10.00		Hands-on Experience and Discussions
10.00 – 11.00	F. Kremer	Glassy Dynamics in Low-Molecular Weight and Polymeric Systems
11.00 – 12.30		Hands-on experience and Discussions
12.30 – 13.30		Informal Lunch
13.30 – 14.30	B. Roling	Materials Characterisation: Analysis of Charge Transport and Electrochemical Processes
14:30 – 15.30		Hands-on Experience and Discussions
15.30 – 16.00		Coffee Break
16.00 – 17.00		Hands-on Experience and Discussions
17.00 – 18.00		Open Discussion
19.00		Dinner
Thursday, October 10, 2024		
8.30 – 10.00		Hands-on Experience and Discussions
10.00 – 11.00	D. Wilmer	New Developments in Instrumentation
11.00 – 12.30		Hands-on Experience and Discussions
12.30 – 12.45	B. Roling, F. Kremer	Closing Remarks
12.45		Informal Lunch and Farewell

Organization

Travelling to Montabaur

- By air via Frankfurt/Main (FRA) or via Cologne/Bonn (CGN) (85 km away)
- By train to Montabaur ICE (high-speed train) station.
- By car to Novocontrol Technologies (Aubachstr. 1, 56410 Montabaur).

Accommodation

Attendants will have to book a hotel according to their convenience by themselves. Three lunches, coffee breaks and two dinners are included in the registration fee.

Venue

The course will take place in the premises of Novocontrol Technologies in Montabaur/Germany. The Montabaur train station is within walking distance (600 m). Various hotels are nearby (800 m to 1300 m). Taxi transfers can be arranged if required.

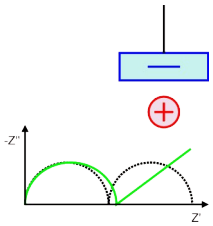
Net Fees

1.800,00 € for industrial attendants

850,00 € for academic attendants

Registration (deadline: September 13, 2024)

Please register using the registration form. We also kindly ask you to fill our questionnaire for attendees and submit the filled form to the address given.



novocontrol Technologies
Novocontrol Technologies
GmbH & Co. KG
Aubachstr. 1
56410 Montabaur
Germany
Phone: +49 2602 9196690
Fax: +49 2602 91966933
e-mail: novo@novocontrol.de
web: http://www.novocontrol.de