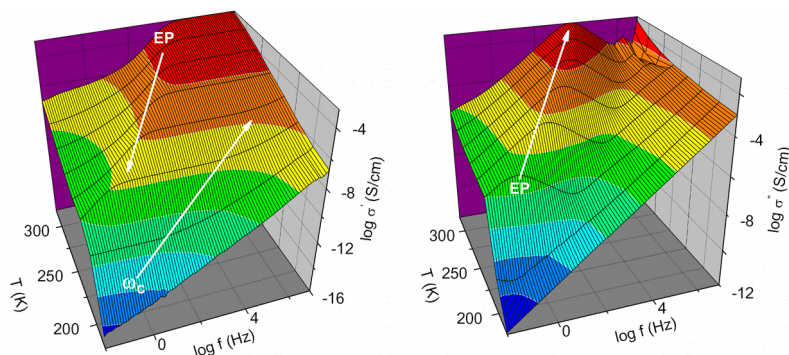


Under the
Guidance of

Prof. B. Roling

and

Prof. F. Kremer



Seminar and Training Course on Broadband Dielectric and Electro- chemical Impedance Spectroscopy

October 10-12, 2018

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

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GmbH & Co. KG

Aubachstr. 1

56410 Montabaur

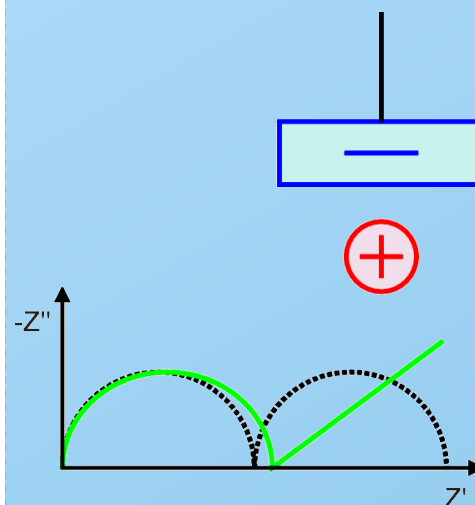
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Organization

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. We recommend to make a reservation at the nearby [Hotel Schlemmer](#). Three lunches, coffee breaks and two dinners are included in the registration fee.

Venue

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

Fees

€ 1800 for industrial attendants, € 850 for academic attendants.

Registration (deadline: September 17, 2018)

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.

Preliminary Schedule

Wednesday, October 10

Time	Lecturer	Topic
12.30 – 13.30		Informal lunch and Welcome Coffee
13.30 – 13.45	B. Roling, F. Kremer	Words of 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

Thursday, October 11

Time	Lecturer	Topic
8.30 – 12.30		Hands-on experience and Discussions
12.30 – 13.30		Informal Lunch
13.30 – 14.30	F. Kremer	Glassy Dynamics in Low-Molecular Weight and Polymeric Systems
14.30 – 15.30	B. Roling	Materials Characterisation: Analysis of Charge Transport and Electrochemical Processes
15.30 – 16.00		Coffee Break
16.00 – 17.00	D. Wilmer	New Developments in Instrumentation
17.00-18.00		Open Discussion
19.00		Dinner

Friday, October 12

Time	Lecturer	Topic
8.30 – 12.30		Hands-on Experience and Discussions
12.30 – 12.45	B. Roling, F. Kremer	Closing Remarks
12.45		Informal Lunch