GENERAL INFORMATION

HOW TO REACH US

LANGUAGE

The course will be held in English.

SCHEDULE

The course is a two day event.

Start: Thursday, 5 November 2015, 10:15 am, End: Friday, 6 November 2015, 4:30 pm

VENUE

DECHEMA Building Theodor-Heuss-Allee 25 60486 Frankfurt am Main Germany

REGISTRATION

Please complete and return the registration form or contact:

DECHEMA-Forschungsinstitut Training department P.O. Box 17 03 52 D-60077 Frankfurt am Main

Tel.: +49 69 7564-253/202
Fax: +49 69 7564-414
E-Mail: gruss@dechema.de
E-Mail: weber-heun@dechema.de
Internet: www.dechema-dfi.de

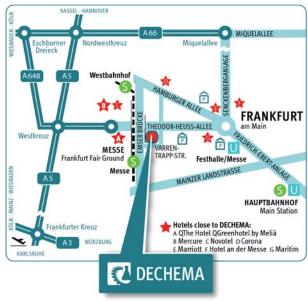
REGISTRATION FEE

1.200,-€

1.185,- € (personal DECHEMA members)

(including course materials, certificate of attendance, get-together, lunch and coffee breaks)

The number of participants is limited.



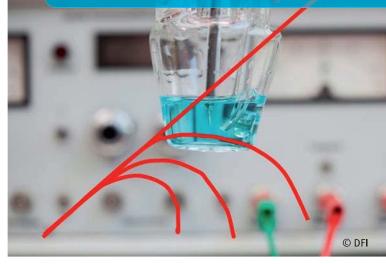
More information on how to reach us can be found here: http://dechema-dfi.de/en/directions.html.



TRAINING COURSE

5 - 6 November 2015 Frankfurt am Main / Germany

Electrochemical Impedance Spectroscopy - Fundamentals and Applications



SCOPE AND CONTENT

Electrochemical impedance spectroscopy EIS is a powerful and nondestructive analytical technique to characterize bulk material, surfaces and electrochemical systems. The application of EIS in several research areas has rapidly developed. Examples are sensors, battery and fuel cell research, corrosion science, characterization of coatings and materials, electroorganic and bioelectrochemical science.

Effective application of EIS requires knowledge of the experimental method and of the systematic interpretation of measured data. The objective of this course is to provide an introduction for scientists and engineers who are newcomers in EIS. The fundamentals of measurement technique and interpretation of data are presented in seminars. In the experimental part the participants get hands-on experience. Application of EIS in coatings, fuel cells, batteries and corrosion science are presented by experts from industry and academia.

LECTURERS

Dr. Dirk Bublitz
C3 Prozess- und Analysentechnik GmbH, Haar, Germany

Dr. Sonia Dsoke ZSW Ulm, Germany

Dr. Klaus-Michael Mangold (course organizer)
DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany

Dr.-Ing. Michael Schneider IKTS, Dresden, Germany

Dr. Jörg Vogelsang Sika AG, Zürich, Switzerland

Dr. Norbert Wagner
DLR, Stuttgart, Germany

Dipl.-Wirt.-Ing. Heiko Witzenhausen RWTH Aachen, Germany

(subject to modifications)

SCHEDULE

THURSDAY, 5 NOVEMBER 2015

Wolcomo

10:15	welcome
10:20	Fundamentals of electrochemical impedance spectroscopy
	EIS
	Klaus-Michael Mangold
11:30	Coffee break
11:50	Characterization of corrosion protective coatings by EIS
	Jörg Vogelsang
13:00	Lunch
14:00	EIS in corrosion science
	Michael Schneider
15:10	Introduction in EIS instrumentation
	Dirk Bublitz
15:30	Experiments
17:00	End of experimental part
18:00	Get-together

FRIDAY, 6 NOVEMBER 2015

REGISTRATION

to the DECHEMA training course 7173

Electrochemical Impedance Spectroscopy

Frankfurt am Main, 5 - 6 November 2015 Deadline for registration: 15 October 2015							
Participant							
Ms Mr Academic degree							
Name, Surname							
Company							
Department							
Street/POB							
Code/Place							
Phone/Fax							
E-Mail							
Invoice Address (if different)							
Company							

If we receive a notice of withdrawal at least two weeks prior to the													
beginning	of	the	course,	the	part	icipation	fee	less	10%	for			
administrat	expenses v		will	be	reimburs	reimbursed.		Thereafter,					
reimbursement will not be possible.													

ves □ no □

Department _____

Street/POB _____

Code/Place

(Place, date, signature + company stamp)

I am a personal DECHEMA member: