

Registration (Fax Reply)

To: ECPE / Bayerischer Cluster Leistungselektronik
Att.: Ingrid Bollens

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Register before **10 May 2010**

Participation fee:

- ☐ € 290.00* for industry
- ☐ € 195.00* for university members
- ☐ € 50.00* for students

The fee includes lunch, coffee/soft drinks and seminar documentation

With the confirmation of seminar registration you will receive the invoice (*plus 19% VAT).

In case of cancellation after 10 May 2010 or non-attendance 50 % of the participation fee are payable.

ECPE Member companies receive 25% discount on the participation fee.

Sender:

title, given name, name

company, department

full address

phone, fax

e-mail

date, signature

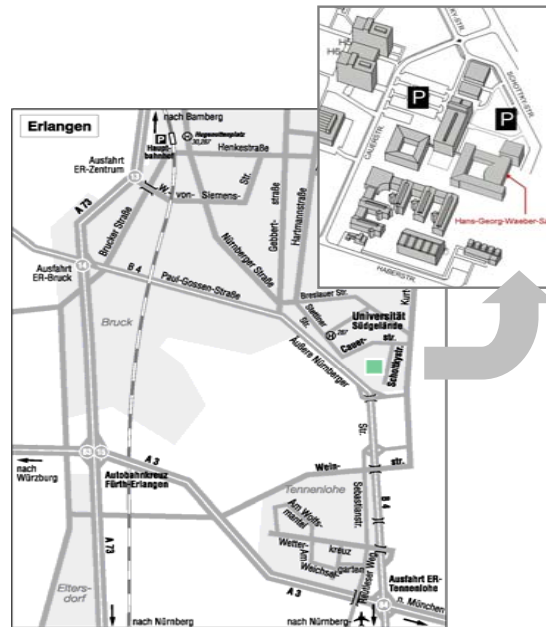
Organisational information

Organiser: ECPE / Bayerischer Cluster
Leistungselektronik
90443 Nuremberg, Germany
www.ecpe.org ; www.clusterle.de

Chair of seminar: Dr. Martin März, Fraunhofer IISB
Tel. +49 (0) 9131 / 761-311
Thomas Harder, ECPE e.V.

Organisation: Ingrid Bollens, ECPE e.V.
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ingrid.bollens@ecpe.org

Place of seminar: Fraunhofer Institute IISB
Schottkystraße 10
91058 Erlangen, Germany



Further information (hotel list and maps) will be provided after registration.



ECPE-Cluster Seminar

EMC in Hybrid and Electric Vehicles

18 May 2010
Fraunhofer Institute IISB
Erlangen, Germany

in cooperation with



Introduction

ECPE-Cluster Seminar “EMC in Hybrid and Electric Vehicles”

18 May 2010
Erlangen, Germany

With the high voltage powertrain in hybrid and electric vehicles new challenges regarding the electromagnetic compatibility (EMC) arise. Additional EMC and safety aspects come into play with the various vehicle-to-grid scenarios.

The electrical power to be processed is up to two orders of magnitude above the one in conventional cars, while the same limits must generally be fulfilled.

A proper power electronic system design as well as sophisticated shielding, grounding, and filter concepts are necessary in order to meet all the demands.

The seminar is focused on the EMC and safety aspects around an isolated high voltage power-net.

Excellent speakers will provide basics and talk about requirements, deficits, and EMC concepts.

The seminar shall foster an intensive exchange of ideas between experts.

Audience

This seminar addresses power electronics engineers who are involved in the development of components and systems for the high voltage powertrain of hybrid and electric vehicles.

The seminar is organized by Dr. Martin März (Fraunhofer IISB) and Mr. Thomas Harder (ECPE). All presentations and discussions will be in English.

Programme

9:00 a.m.	Start of Registration At Fraunhofer Institute Schottkystraße 10 91058 Erlangen
9:20	Opening and Welcome Address Thomas Harder (ECPE)
9:30	Overview of Electric Powertrain Components Wolfgang Schmidt, Continental AG
10:10	Noise in High Voltage Powertrains Sources • Coupling Paths • Filter Topologies Dr. Eckart Hoene, Fraunhofer IZM
11:20	Normative Regulations Dr. Michael Hillgärtner, IAV GmbH
11:50	Challenges Regarding EMC in Hybrid and Electric Vehicles from an OEMs Point of View Dr. Thomas Krauss, Daimler AG
12:30	Lunch
13:30	Lab Tour
14:00	EMC-Testing of High Voltage Powertrain Components - Methods and Requirements Andreas Schwiete, Phoenix Testlab GmbH
14:40	System Leakage Current, EMI and Electrical Safety Aspects of Mobile Battery Chargers Fabian Beck, Schaffner

Programme

15:20	Coffee Break
15:45	Impedance Characteristics of HV Batteries Dr. Eckart Hoene, Fraunhofer IZM
16:15	Soft Magnetic Polymers – an Attractive Material for EMI Filter Applications Dr. Martin März, Fraunhofer IISB
16:40	Discussion
17:15	End of Seminar