

Registration (Fax Reply)

To: ECPE European Center for Power Electronics e.V.
Attn.: Ingrid Bollens

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Register before **February 6, 2006**

Participation fee: €480,-- * plus 16% VAT
€380,-- for university members
The fee includes dinner, lunch
and coffee/soft drinks, seminar
handouts. With the confirmation
of seminar registration you will
receive the invoice.

* Three participants from each ECPE member company free of charge.
Allocation in sequence of registration.

Sender:

title, given name, name

company, department

full address

phone, fax

e-mail

date, signature

Organisational information

Organiser: ECPE e.V.
Landgrabenstrasse 94
90443 Nuremberg, Germany
www.ecpe.org

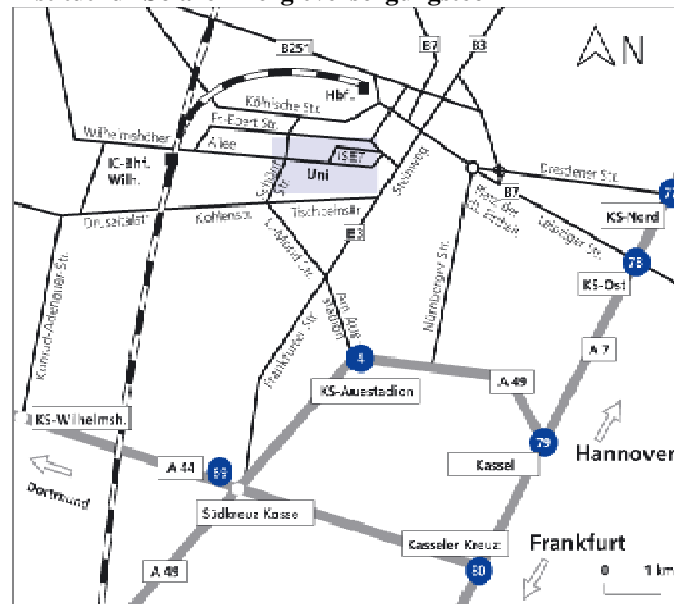
Chairman: T. Harder, ECPE e.V.

Technical Chairman: F. Blaabjerg, Aalborg University
P. Zacharias, ISET e.V. Kassel

Organisation: Ingrid Bollens, ECPE e.V.
+49 (0)911 / 81 02 88 – 10
ingrid.bollens@ecpe.org

Place of seminar: ISET e.V.
Königstor 59
34119 Kassel, Germany

How to reach ISET Institut für Solare Energieversorgungstechnik



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



**ECPE European Center for
Power Electronics e.V.**

ECPE Seminar Renewable Energies

February 9-10, 2006
at ISET, Kassel, Germany

**ECPE Seminar
in cooperation with
Aalborg University, Denmark
and ISET e.V., Kassel, Germany**

Introduction

ECPE Seminar Renewable Energies

February 9-10, 2006
at ISET, Kassel, Germany

The global energy prices of fossil fuels have increased drastically in the last years. Alternative energy sources like wind, sun, wave and biofuels are becoming very interesting in terms of cost and also as a more long term solution for the total energy demand. In almost all renewable energy systems the power electronics technology is an enabling and necessary technology, which interconnects the electrical power production to the grid and optimizes the power generation from the renewable energy source.

This ECPE seminar will especially focus on the two most emerging renewable energy technologies – Wind Power and Sun. It will discuss the technology itself, the necessary power electronics, the grid interconnection and how to control the overall grid structure. Finally, other perspective technologies will be presented. The seminar will be hosted by ISET in Kassel and the second day will be ended with a tour in ISET.

Specialists in the field are invited to give overviews and in-depth lectures.

All presentations and discussion will be in English.

Program

Thursday, February 9, 2006

11:00 Venue and Registration

12:00 Lunch

12:45 Opening

T. Harder, ECPE e.V.

P. Zacharias, ISET e.V.

13:15 Overview of Renewable Energy Systems

R. Teodorescu, Aalborg University, Denmark

Wind Turbine Technology

14:00 Grid compliance and wind power technology

P.C. Kjaer, Vestas Wind Systems, Denmark

14:30 Power Electronics for Wind Turbines

D. Schreiber, Semikron, Germany

15:00 Coffee break

15:30 Wind Farm Control – Experiences from a 160 MW Wind Farm

P. E. Sørensen, Risø National Laboratory, Denmark

16:00 Advanced MW-class Wind Turbine Converter Technology

R. Takala, Verteco Ltd, Finland

16:30 Interconnection Issues for Wind Turbines

S. Heier, Kassel University, Germany

17:00 Medium Voltage Frequency Converters for MW Windturbines

P. Steimer, ABB Industries, Switzerland

17:30 Discussion

19:30 Dinner

Program

Friday, February 10, 2006

Photovoltaic Systems

08:30 Power Converter for PV-Systems,

R. DeDoncker, RWTH Aachen, Germany

09:10 State-of-the-Art and Future Trends of PV-System-Technology

M. Meinhardt, SMA Technologie, Germany

09:50 Grid Integration of Renewable Energy Sources via Power Electronic Converters

P. Zacharias, ISET, Germany

10:20 Coffee break

10:45 New PV Cell Technologies

R. Schindler, Fraunhofer ISE, Germany

Other potential renewable energy sources

11:15 Ocean Energy Resource Utilization by Wave Dragon and other Wave Energy Devices

J.P. Kofoed, Aalborg University, Denmark

11:45 Fuel Cell Technology – an Overview

A. Kabza, ZSW Ulm, Germany

12:15 Discussion

12:30 Lunch

13:30 Tour at ISET

14:30 End