

## Registration (Fax Reply)

To: ECPE e.V.  
Att.: Ingrid Bollens

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Register before **31 January 2007**

### Participation fee:

- €80,-\* for industry (\* plus VAT)
- free of charge for universities, institutes and public authorities

The fee includes lunch, coffee/soft drinks.

With the confirmation of your registration you will receive further information (directions, maps, hotel recommendation) and, if applicable, the invoice.

Sender:

\_\_\_\_\_  
title, given name, name

\_\_\_\_\_  
company, department

\_\_\_\_\_  
full address

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phone, fax

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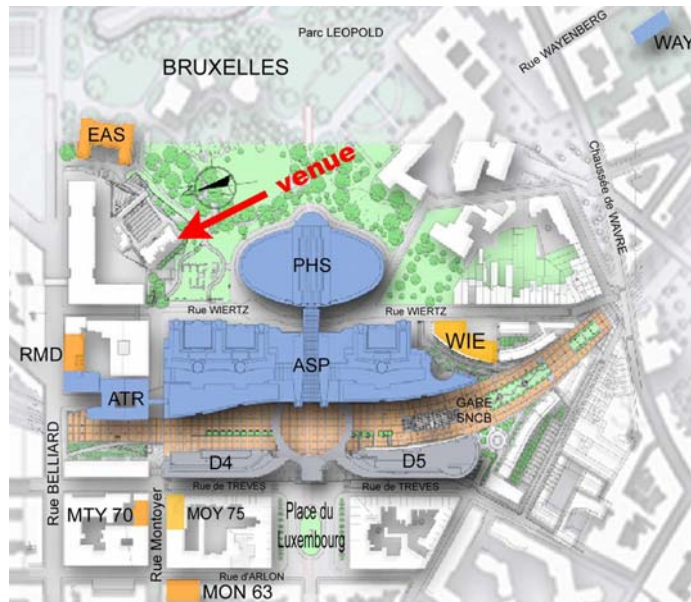
## Organisational information

Organiser: ECPE e.V.  
90443 Nuremberg, Germany  
[www.ecpe.org](http://www.ecpe.org)

Co-Organiser: EPE Association  
1050 Brussels, Belgium  
[www.epe-association.org](http://www.epe-association.org)

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Venue: Representation of the Free State  
of Bavaria to the EU  
Rue Wiertz 77,  
1000 Brussels, Belgium



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

## EUROPEAN WORKSHOP

on

## Energy Efficiency - the Role of Power Electronics

**7 February 2007  
Brussels, Belgium**

hosted by

**Representation of the Free State of  
Bavaria to the EU**



## Introduction

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### European Workshop on Energy Efficiency - the Role of Power Electronics

**7 February 2007,  
Brussels, Belgium**

One key topic in society, on the European level and globally, is energy saving and improved energy efficiency. The role of power electronics for the energy efficiency will be highlighted in a European Workshop organised by ECPE European Center for Power Electronics in cooperation with EPE Association.

#### Objectives:

- show the energy saving potential of power electronics in key applications e.g. for drives, lighting and power supplies
- inform on planned topics in FP7 referring to power electronics, especially in energy efficiency
- show R&D needs in power electronics to improve energy efficiency: examples and visions
- demonstrate the importance of power electronics in saving electrical energy as a key and enabling technology
- prepare research proposals: R & D needs and research directions

The workshop is chaired by Prof. Dr. L. Lorenz (Infineon Technologies and President of ECPE e.V.). The Co-Chairman from the EPE Association is Prof. Dr. Ph. Mawby (University of Warwick). All presentations and discussions will be in English.

## Programme

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**Wednesday, 7 February 2007**  
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- 8.30 *Registration*
- 9.00 Welcome, Opening  
**L. Lorenz** (Infineon Technologies)  
**Ph. Mawby** (University of Warwick)
- 9.20 Action Plan for Energy Efficiency:  
Realising the Potential  
**R. Bowie** (European Commission,  
DG Energy and Transport)
- 9.45 Energy Efficiency in FP7  
**M. Nagy-Rothengass** (European  
Commission, DG INFSO)
- 10.10 Energy-saving Applications of Power  
Electronics  
**B. Eschermann** (ABB Switzerland)
- 10.35 *Coffee break*
- 11.00 Improving Electrical Energy Efficiency –  
from the Component to the System  
**M. Schlenk** (Infineon Technologies)
- 11.25 Energy Efficiency and Power Electronics  
Research & Technology Roadmaps  
**T. Harder** (ECPE e.V.)
- 11.50 R&D Needs and Visions in Use of Power  
Electronics to Save Electrical Energy  
**F. Blaabjerg** (Aalborg University)
- 12.15 *Lunch*

## Programme

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**Wednesday, 7 February 2007**  
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- 13.15 **Workshop with Podium Discussion:  
Trends, R&D Needs and Research  
Directions in main Power Electronics  
Applications**  
  
Podium: area chairmen and cross functional  
experts:  
**R. Bassett** (Areva T&D),  
**G. Griepentrog** (Siemens AG)  
**M. Mermet-Guyennet** (ALSTOM Trans/PEARL)  
**T. Undeland** (NTNU Trondheim)
- 13.30 Energy Generation, Distribution and Storage  
(energy sources incl. solar, wind, fuel cell, bio)  
**R. De Doncker** (RWTH Aachen)
- 14.00 Transport and Mobility (automotive/trucks,  
traction, aviation)  
**J. W. Kolar** (ETH Zurich)
- 14.30 Industry Drives  
**P. Barbosa** (ABB Switzerland)
- 15.00 *Coffee break*
- 15.30 Information and Communication Technology  
(power supplies, standby, mobile human)  
**J. A. Cobos** (University of Madrid)
- 16.00 Home Appliances  
**A. Consoli** (University of Catania)
- 16.30 Lighting  
**M. Hendrix** (Philips Lighting)
- 17.00 Summary, Conclusion, Actions
- 17.15 *End*