

Registration (Fax Reply)

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

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Register before **16 June 2009**

Participation fee:

- .. €80,-* for industry
- .. free of charge for universities, institutes and public authorities

The fee includes light 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

phone, fax

e-mail

date, signature

Organisational information

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

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



Electronics Enabling Efficient Energy Usage

ECPE European Center for
Power Electronics e.V.

ECPE - E4U WORKSHOP

Intelligent Power Electronics for Energy Efficiency - the ECPE Research Roadmaps

23 June 2009
Brussels, Belgium
Kindly hosted by



Representation of the Free State
of Bavaria to the EU



Introduction

ECPE - E4U Workshop

Intelligent Power Electronics for Energy Efficiency - the ECPE Research Roadmaps

23 June 2009,
Brussels, Belgium

Power Electronics is the key technology to improve energy efficiency from the generation, in the transmission and distribution up to the use of electrical energy in a variety of applications.

About two years after the 1st European ECPE Workshop on 'Energy Efficiency – the Role of Power Electronics' held in February 2007 in Brussels, ECPE is organising a European Workshop dealing with Energy Efficiency and the ECPE Research Roadmaps.

This ECPE-E4U Workshop is also planned as a discussion platform for the European E4U Project on 'Electronics Enabling Efficient Energy Usage' to discuss research needs and to jointly define pilot projects for future funding programmes.

In the E4U Project (Support Action funded by the European Commission in the ICT Programme under the project no. FP7-224161) the following areas of energy efficiency improvement are addressed:

- Power Supplies
- Industrial Drives
- Smart Grids & E-Mobility
- Buildings & Lighting

The workshop is chaired by Prof. Dr. Leo Lorenz (Infineon Technologies and President of ECPE e.V.) together with Thomas Harder (ECPE e.V.).

All presentations and discussions will be in English.

Programme

Tuesday, 23 June 2009

8.30 *Registration*

9.00 *Start of Workshop*

Introduction: Intelligent Power Electronics for Energy Efficiency

9:00 **Power Electronics for Energy Efficiency -
the Status in Europe, Asia and US**
L. Lorenz, Infineon Technologies / ECPE

9:30 **ICT for Energy Efficiency**
K. Marcus, European Commission,
ICT for Sustainable Growth

10:00 **Electronics Enabling Efficient Energy
Usage - the European E4U Project**
T. Harder, ECPE

10:30 Coffee break

Area I: 'Power Supplies'

11:00 **Key Statement from Industry**
A. Stiedl, Emerson Network Power

11:30 **ECPE Roadmap Team 'Power Supplies'**
J. Cobos, UPM

12:00 **Discussion: (Chair: J. Cobos)
Research Needs, Pilot Projects and
Expected Impact on Energy Efficiency**

12:30 Lunch

Programme

Tuesday, 23 June 2009

Area II: 'Smart Grids and E-Mobility'

13:30 **Key Statement from Industry:
The Role of Power Electronics in Smart
Grids and Renewable Integration**
A. Sannino, ABB Corporate Research

14:00 **ECPE Roadmap Team 'Smart Grids &
Renewables'**
R. Witzmann, Technical University Munich

14:30 **Discussion: (Chair: T. Harder)
Research Needs, Pilot Projects and
Expected Impact on Energy Efficiency**

15:00 Coffee break

Area III: 'Industrial Drives'

15:30 **Key Statement from Industry**
M. Björkman, Vacon

16:00 **ECPE Roadmap Team 'Large Drives'**
S. Bernet, Technical University Dresden

16:30 **Discussion: (Chair: J. Popovic)
Research Needs, Pilot Projects and
Expected Impact on Energy Efficiency**

17.15 *End of Workshop*