

Universidad Politécnica de Madrid, Spain

Universidad Politécnica de Madrid is the oldest and largest of the Spanish Technical Universities. The Centro de Electrónica Industrial (UPM-CEI) is mainly devoted to power conversion systems, Embedded systems design, and power quality. All these research lines have horizontal activities in common, such as design and integration of electronic systems and advanced techniques for modelling and simulation.



University College Cork (Tyndall Institute), Ireland

The Tyndall National Institute was created in 2004 at the initiative of the Department of Enterprise Trade and Employment and University College. The strengths of the institute at the present time lie in the area of photonics, electronics, materials and nanotechnologies and their applications for life sciences, communications, power electronics and other industries.



Organisational information

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

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

Venue: Palau de Congressos de
Barcelona (Fira de Barcelona)
Avda. Reina Maria Cristina s/n
08004 Barcelona

The session will be open to all EPE2009 conference participants free of charge.



Electronics Enabling Efficient Energy Usage

E4U Workshop

Strategies for Power Electronics Research The European E4U Project

9 September 2009
Barcelona, Spain

Kindly hosted by
EPE 2009

13th International European Power
Electronics Conference and Exhibition



Introduction

E4U Workshop

Strategies for Power Electronics Research in Europe

This session organised by the EC project "E4U – Electronics Enabling Efficient Energy Usage" will focus on future strategies for Power Electronics research and technology development.

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. Energy efficiency is high on the policy agenda and thus, power electronics should be, too. But the topic and its potential still lack awareness at the level of RTD policies. This is why the community requires a streamlined strategy for research and development.

The E4U Project has analysed strengths, weaknesses, opportunities and threats of power electronics in key applications: power supplies, industrial drives, smart grids & e-mobility as well as buildings and lighting. It has drafted a research roadmap to boost investments in power electronics research and improve Europe's competitiveness. This workshop will provide an opportunity for the participants to voice their opinions in the design of future research strategies for power electronics in Europe. Power electronics research and industry experts interested in unleashing the potential and improving the visibility of the field should participate in the discussions at this session.

The workshop is chaired by Dr. Erich Prem (eutema Technology Management GmbH).

All presentations and discussions will be in English.

Programme

Wednesday, 9 September 2009

15.30 Start of Workshop

Future Power Electronics Research Strategies for Energy Efficiency

15:30 Electronics Enabling Efficient Energy Usage - the European E4U Project

E. Prem, eutema

15:50 Power Electronics SWOT (Strength, Weaknesses, Opportunities, Threats)

J. Popović-Gerber, ECPE/Delft University of Technology

16:10 Strategies and Actions

T. Harder, ECPE

Panel Discussion (15:30-16:30)

Participants:

- José Cobos, Universidad Politécnica de Madrid
- Leo Lorenz, Infineon
- Thomas Harder, ECPE
- tba
- *Moderator: E.Prem*

Join us in this session's discussions and have your say in the future of European power electronics research!

E4U initiative project partners

eutema Technology Management GmbH, Austria

eutema is a strategic research and technology consultancy based in Vienna, Austria. eutema designs and implements research strategies for EU member states and manages RTD projects and programs. Its customers and partners include the European Commission, Austrian ministries, research councils, funding agencies, universities as well as global industry players, small companies and private research organisations.

eu|te|ma

TECHNOLOGY MANAGEMENT

European Center for Power Electronics e.V., Germany

Leading power electronics industries have founded the European Center for Power Electronics (ECPE) in 2003 in order to promote research, education and technology transfer in this field. ECPE aims at promoting the importance of power electronics to the public. For an efficient realisation two legal bodies have been founded, the registered association ECPE e.V. and the limited company ECPE GmbH.

