

Registration (Fax Reply)

To: ECPE e.V.
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Please **e-mail** a scanned copy of the completed form or
send a fax to: +49 (0)911 / 81 02 88 – 28

Register before **17 November 2011**

Participation fee:

- €80,- * for Member Companies (*plus VAT)
(free of charge for speakers/presenters)
- for Competence Centre members free of charge

The fee includes lunch and coffee/soft drinks.

With the confirmation of registration you will receive the invoice. The max. number of participants is limited, therefore, early registration is recommended.

Sender:

Title, given name, name

Company, department

Full address

Phone, fax

E-mail

Date, signature

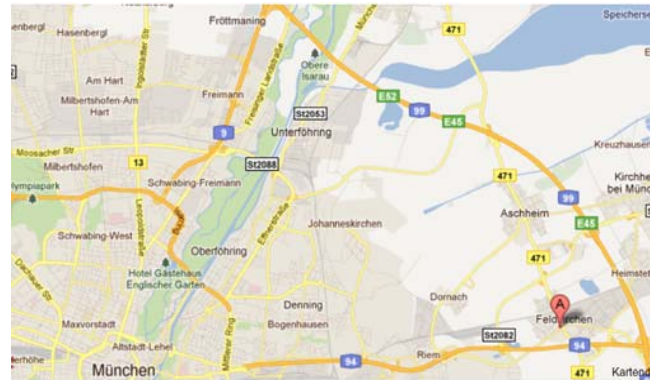
Organisational information

Organiser ECPE e.V.
90443 Nuremberg, Germany
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Chairman: Dipl.-Phys. Thomas Harder
ECPE Nuremberg

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Venue Hotel Bauer
Münchener Strasse 6
85622 Feldkirchen/Munich, Germany



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



ECPE Network Meeting of Members & Competence Centres

European Research Projects Related to Power Electronics

24 November 2011
Hotel Bauer
Feldkirchen/Munich,
Germany



European Research Projects Related to Power Electronics

24 November 2011
Feldkirchen/Munich, Germany

The **European Power Electronics Network ECPE** is organising this Network Meeting on **Power Electronics Research in Europe** with its Member Companies and Competence Centres. This event aims at giving an overview and insight in important public funded research projects and programmes in the field of power electronics on an European level e.g. from the **7th Framework Programme (FP7)** of the European Commission, the **Joint Undertakings ENIAC and ARTEMIS** and the **EUREKA Clusters CATRENE and EURIPIDES**. In the accompanying exhibition major national projects and programmes related to power electronics will be presented as well.

Although power electronics is not mentioned in the headlines of European research programmes projects related to power electronics can be found in various programmes. In the 7th Framework Programme (FP7, 2007 - 2013) the following programmes are relevant:

- Information & Communication Technologies (ICT)
- Energy
- Materials and Production Technologies
- Transport, Aeronautics, Space

Besides the EC Framework Programme, there are further funding schemes on the European level with a mixed financing from European, national and industry sources organised as public-private partnerships (PPP):

- Joint Technology Initiatives (JTIs) e.g. ENIAC, ARTEMIS, Clean Sky
- EUREKA Cluster e.g. CATRENE and EURIPIDES

Thursday, 24 November 2011

9:30 Start of Registration

Introduction, Overview on European Research Programmes

10:00 **Welcome, Introduction**
T. Harder, ECPE e.V.

10:10 **European Power Electronics Research: FP7, JTIs and EUREKA Clusters**
H. Roedig, Infineon Technologies

10:30 **Electronics for Efficient Power Conversion – Research Activities in FP7**
T. Harder, ECPE

Power Devices & Technology, Design

11:00 **LAST POWER (ENIAC)**, A. Scuderi, STMicroelectronics

11:15 **THOR (CATRENE)**, M. van Helvoort, Philips

11:30 **HIPOSWITCH (FP7-ICT)**, J. Wuerfl, FBH Berlin

11:45 Introduction of further Projects pres. in the Exhibition

12:00 Lunch

Integration Technologies, Thermal Management & Reliability

13:15 **SMARTPOWER (FP7-ICT)**, G. Garry, THALES

13:30 **CREAM (FP7-AAT)**, R. Meuret, Hispano-Suiza/Safran

13:45 **RELY (CATRENE)**, G. Georgakos, Infineon Technol.

14:00 Introduction of further Projects pres. in the Exhibition

Power Electronics Applications: Automotive & Avionics

14:15 **E3Car (ENIAC)**, H. Pairitsch, Infineon Technologies

14:30 **MOTORBRAIN (ENIAC)**, R. John, Infineon Technol.

14:45 **PPP – European Green Car Initiative**

15:00 Introduction of further Projects pres. in the Exhibition

15:15 Coffee Break in the Exhibition

Applications: Smart Battery, Power Management, Lighting

16:00 **SUPERLIB (FP7-ICT)**, B. Kortschak, AVL LIST

16:15 **SmartPM (ENIAC)**, O. Vermesan, SINTEF

16:30 Introduction of further Projects pres. in the Exhibition

Renewable Energies, Smart Grids, Energy Efficiency

17:00 **METAPV (FP7-Energy)**, D. Coll-Mayor, SMA

17:15 **ERG (ENIAC)**, F. Gennaro, STMicroelectronics

17:30 **IoE (ARTEMIS)**, O. Vermesan, SINTEF

17:45 Introduction of further Projects pres. in the Exhibition

18:00 Discussions in the Exhibition

18:30 End of the Meeting

Europ. Projects rel. to Power Electronics (Exhibition):

ENIAC/ARTEMIS	CSSL	Consumerizing Solid State Lighting
	E2SG	Distributed Generators Integration in Smart Grids
	E3Car	Nanoelectronics for Energy Efficient Electrical Car
	END	Models, Solutions, Methods & Tools f. Energy-Aware Design
	ENLIGHT	Energy Efficient and Intelligent Lighting Systems
	ERG	Energy for Green Society: Sustain. Harvesting-Smart Distrib.
	HEECS	High Efficiency Electronics Cooking Systems
EUREKA CATRENE	MotorBrain	Nanoelectronics for EV Intelligent Failsafe Power Train
	LAST Power	Large Area SiC Substr. & Hetero-Epi GaN for Power Devices
	SmartPM	Smart Power Management
	IoE	Internet of Energy for Electric Mobility
	RELY	Design for Reliability of SoCs f. Transport, Med., Ind. Autom.
	SEEL	Solutions for Energy Efficient Lighting
	THOR	Striking Technologies for Power (co-labelled by EURIPIDES)
EC – FP7	AGAPAC	Advanced GaN Packaging
	CASTOR	Car Multi Propulsion Integrated Power Train
	CREAM	Compact & Reliable Electronic Integr. in Actuators & Motors
	EE-VERT	Energy Efficient Vehicles for Road Transport
	ELVA	Advanced Electric Vehicle Architectures
	ESTRELIA	En. Storage w. Lowered Cost, Improved Safety & Rel. f. EVs
	EUSiC	High Quality Europ. GaN-Wafer on SiC Substr. f. Space Appl.
	HCV	Hybrid Commercial Vehicle
	HIPOSWITCH	GaN-based N-Off High Power Transistor f. Eff. Power Conv.
	HIPRWIND	High Power, High Reliability Offshore Wind Technology
	HI-WI	Materials & Drives for High & Wide Eff. Electric Powertrains
	METAPV	Metamorphosis of Power Distrib.: System Services from PV
	NanoPower	Nanoscale Energy Management for Powering ICT Devices
	NETFISIC	Training Network on Functional Interfaces for SiC
	POSE2IDON	Power Optimised Ship (Electric Ship Technology)
	POWAIR	Zinc-Air Flow Batteries for Electrical Power Distrib. Networks
	POWERUP	Specific..Implement..Field Trial, Standardis. of V2G-Interface
RPC-HVTS-DCS	Dev. Environment/Demonstr. f. Resonant Power Conversion	
SafeDrive	A Platform Power Management System for LV Drive Trains	
SEEMPUBS	Smart Energy Efficient Middleware for Public Spaces	
SMART-LIC	Smart/Compact Batt. Man. Module f. Integr. into Li-Ion Cell	
SmartPower	Smart Integr. of GaN & SiC High Power Electr. f. Ind. & RF	
SSL4EU	Solid State Lighting for Europe	
SUPERLIB	Battery Control Syst. Based on Charge-Equalis. Circuit f. EVs	
THEMA-CNT	Thermal Management with Carbon Nanotube Architectures	
WIDE-MOB	Building Blocks Concepts for Eff. & Safe Multiuse Urban EVs	

and National Projects/Programmes.g. from CZ, D, DK, E, F, I, SE