

## Registration Form

To: ECPE e.V.  
Att.: Ingrid Bollens, [ingrid.bollens@ecpe.org](mailto:ingrid.bollens@ecpe.org)  
Please **e-mail** a scanned copy of the completed form or  
send a fax to: +49 (0)911 / 81 02 88 – 28

Register before **8 November 2016**

The registration is open for representatives of ECPE  
Member companies and Competence Centres;  
(**participation is free of charge incl. the ECPE  
Network dinner.**)

**I will join the ECPE Network Dinner  
on 15 November 2016**

☐ **Yes**

☐ **No**

**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](http://www.ecpe.org)

**Organisation** Ingrid Bollens, ECPE e.V.  
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[ingrid.bollens@ecpe.org](mailto:ingrid.bollens@ecpe.org)

**Venue** Novotel Munich-City  
Hochstrasse 11  
81669 Munich, Germany



## ECPE Network Meeting Trends in Power Electronics and in the ECPE Network

- Industry 4.0
- Information & Knowledge Management

15 November 2016  
Novotel Munich-City,  
Munich, Germany



Source: Fraunhofer-IISB

# ECPE Network Meeting

## Trends in Power Electronics and in the ECPE Network

15 November 2016  
Munich, Germany

The ECPE Network Meeting offers a networking platform for exchange and discussion of trends and future topics in the ECPE community of Member companies and Competence Centres. This year's meeting will focus on "Trends in Power Electronics and in the ECPE Network".

The morning session will deal with power electronics and smart industrial manufacturing (Industry 4.0). An introduction and overview on Industry 4.0 (I 4.0) will be given which describes the application of IoT (Internet of Things) to industrial manufacturing. In the network meeting we will discuss the relation of I 4.0 and power electronics in both directions: the role of I 4.0 in the production of power electronics components and converters on the one side, and the possible contributions of power electronics to I 4.0 on the other side with the key words smart inverter, big data, condition monitoring and system integration with sensors and actuators.

In the afternoon sessions the focus will be on information and knowledge management in the ECPE Network. In ECPE we generate a large amount of information e.g. in the joint research programme or in the workshops and tutorials. The key challenge for the members is how to get the necessary information to the right place within their organisation in an efficient way. Techniques and tools will be presented and discussed as well as best practice examples. Furthermore, we will discuss the future of industrial training with a benchmark of on-site training against web-based solutions. Future steps of eLearning in power electronics beyond the existing ECPE Online Course will be discussed.

The ECPE Network Meeting will end with a joint dinner.

# Programme

15 November 2016

09:30 Start of registration/Welcome Coffee

10:00 Welcome Opening

10:15 Power Electronics and Smart Industrial Manufacturing (Industry 4.0)

- **Industry 4.0 and the Role and Possible Contribution of Power Electronics:**
  - **Introduction of Industry 4.0**
  - **Safety and Security in I 4.0 Enabled Power Electronics**  
F. Heuser, Infineon Technologies
  - **The Smart Converter**  
R. Sommer Siemens
  - **E-Drives as Intelligent Sources of Information for I 4.0**  
A. Mertens, University of Hannover
- **Coffee break**
- **Industry 4.0 in Power Electronics Converter Production**  
H. Krattenmacher, SEW-EURODRIVE
- **SiC Converter Integrated in an Industry 4.0 Network**  
E. Dede, University of Valencia
- **Discussion**

13:00 Lunch at Restaurant Novotel Munich-City

14:00 Information and Knowledge Management in the ECPE Network

- **Techniques and Tools for Information and Knowledge Management: How to get ECPE Information into your Member Organisation**  
M. Meinhardt, SMA Solar Technology
- **The Future of Industrial Training: Are ECPE Tutorials Obsolete?**  
T. Harder, ECPE; M. Meinhardt, SMA Solar Technology
- **eLearning in Power Electronics: Status and Further Options**  
A. Rojko, ECPE
- **Discussion**

16:00 Coffee

16:30 End of ECPE Network Meeting

19:30 Dinner at Restaurant of Novotel Munich City