



International Exhibition  
& Conference for  
**POWER ELECTRONICS  
INTELLIGENT MOTION  
POWER QUALITY**  
**4 – 6 May 2010**  
Exhibition Centre Nuremberg

## Powerful Knowledge

With Conference and Tutorials...

### The Conference offers

- ▶ the practice-orientated platform for power electronics
- ▶ more than 170 oral or poster presentations within three days
- ▶ the latest developments and its applications

### The Exhibition offers

- ▶ an overview over the latest technologies and innovations
- ▶ over 6,000 high qualified visitors
- ▶ more than 250 exhibitors showing their products and solutions.

**Focus:**  
Energy Savings and Sustainability

**Three days**  
with ideal networking possibilities

**Early conference registration rates until 26 March 2010**  
[www.pcim.de](http://www.pcim.de)

### General Information

TEL Conference +49 711 61946-29  
TEL Exhibition +49 711 61946-73  
INTERNET [www.pcim.de](http://www.pcim.de)  
E-MAIL [pcim@mesago.com](mailto:pcim@mesago.com)

Organizer



Mesago PCIM GmbH  
Rotebuehlstr. 83-85  
70178 Stuttgart

### PCIM China 2010



**PCIM China Conference and Exhibition**  
**1 – 3 June 2010**  
Shanghai, China

Visit [www.pcimchina.com](http://www.pcimchina.com)  
for exhibitor listing  
and conference program.

### Mediapartners

*Bodo's Power*



**Sponsors**  
**Young Engineer Award**



International  
**IOR** Rectifier

... you get answers to your questions and a maximum of networking possibilities

## Tutorials Monday 3 May 2010

**High Efficiency Power Conversion through »Intelligent« Power Processing**  
Dan Jitaru, Delta Energy Systems, USA

**Advanced Design with MOSFET and IGBT Power Modules**  
Josef Lutz, Chemnitz University of Technology, D

**Batteries – Technologies, Charger Solutions, Monitoring and Management Systems**  
Richard Redl, ELFI S.A., CH

**Electromagnetic Design of High Frequency Converters**  
Jacques Laeuffer, Supélec, F

**Advanced Motor Control with FPGA based Control Architectures**  
Jenns Onno Krahn, University of Applied Sciences Cologne, D

**Switching Power Supply Design**  
Ray Ridley, Ridley Engineering Europe, F

**Sensorless Control of PM Synchronous Motors**  
Manfred Schrödl, Vienna University of Technology, A

**Power Electronics and Control for Renewable Energy Systems**  
Mike Meinhardt, SMA Solar Technology, D

**IGBT Gate Drive Technologies**  
Reinhard Herzer, SEMIKRON Elektronik, D

**Application design criteria for ultrafast switching MOS-controlled reverse conducting devices and management of their parasitic effects**  
Wolfgang Frank, Infineon Technologies, D

**Switchmode Printed Circuit Board Design and Layout for Low EMI**  
Bruce Carsten, Bruce Carsten Associates, USA

## Conference 4–6 May 2010

### Tuesday 4 May 2010

<b>Keynote »Energy Storage«</b> D. Sauer, RWTH Aachen	Application Optimized Switches	Digital Power and Energy Efficiency	<b>LUNCH</b>	Power Electronics for Efficient Inverters in Renewable Energy Applications	Thermal Aspects in Power Systems	<b>Poster / Dialogue Sessions</b>
	High Power Converters	Sensorless Drives I		Power Electronics in Energy Generation and Distribution	Sensorless Drives II	

### Wednesday 5 May 2010

<b>Keynote »HVDC Light can deliver 1,100MW«</b> B. Jacobson, ABB	High Speed Switching Applications	High Power Density Design	<b>LUNCH</b>	Reliability of Components	Interleaved Converters	<b>Poster / Dialogue Sessions</b>
	Module Design	Advanced Control in Drives		Energy Storage	Inverter Control in Motor Drives	

### Thursday 6 May 2010

<b>Keynote »Virtual Prototyping of Power Electronic Systems«</b> J. Biela, ETH Zürich	Power Electronics in Automotive and Traction	High Voltage Components	<b>LUNCH</b>	New Components and Cooling	Inverters for Renewable Energy and UPS
	ECPE Panel Discussion »Electronics for Energy Efficiency and Sustainability«	Motor Drives		Sensors and Metering	Electrical Machines