

## Paper Review

A two-stage review process will be applied:

1. The Technical Program Committee will review the english written abstracts and decide upon the acceptance.
2. Every full papers will be reviewed by a minimum of 3 peer reviewers to make sure that the paper
  - covers the conference topics
  - is readable and achieves the requirements regarding innovation, clarity, presentation and possible realization.
  - is in the proper format as defined by IEEE

If the paper does not meet all the above requirements, the author will be requested to send a revised paper for a further review.

## Organized by

The conference is organized by ETG, the Power Engineering Society within VDE, and by ECPE European Center for Power Electronics.

**VDE** the Association for Electrical, Electronic & Information Technologies is one of the largest technical and scientific associations in Europe with more than 32 000 members.

**ECPE** the Industrial and Research Network for Power Electronics in Europe was founded in 2003 by leading power electronics industries in order to promote research, education and public relations in this field.

CIPS 2012 is co-Sponsored by

- **IEEE** Power Electronics Society (PELS) and
- **ZVEI** - the German Electrical and Electronic Manufacturers' Association.

## CIPS 2012

March, 6th - 8th, 2012

### Important dates, Deadlines

Submission of abstracts:	September, 12th, 2011
Notification of acceptance	October, 13th, 2011
Submission full paper:	December, 1st, 2011
Deadline for early registration	February, 5th, 2012
CIPS 2012	March, 6th - 8th, 2012

### General Chairs, Technical Chairs

Leo Lorenz, Infineon Technologies AG,  
Munich (Germany) - *General Chair*

Eckhard Wolfgang, ECPE e.V.,  
Munich (Germany) - *Technical Chair*

Dieter Silber, University of Bremen (Germany)  
*Technical Chair*

### Secretariat

For detailed Information please contact:

VDE-Conference Services, Mrs. Hatice Altintas  
Stresemannallee 15 - 60596 Frankfurt - Germany  
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### Venue

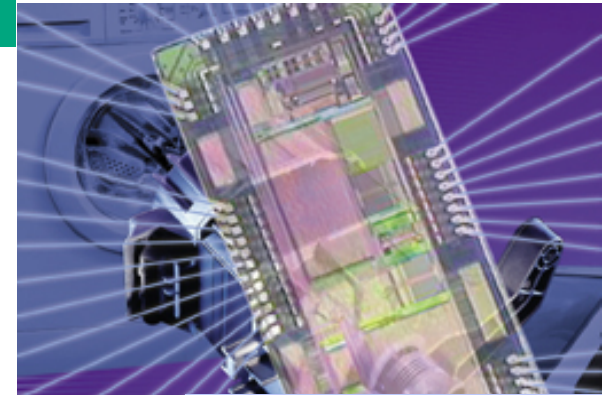
Nuremberg is a lively city of about half a million inhabitants, with a visible history of almost one thousand years. It is also a city "of wit", where inventiveness and the researchers' curiosity have found a home.

### Homepage

[www.cips-conference.de](http://www.cips-conference.de)



**ETG** POWER ENGINEERING  
SOCIETY WITHIN VDE



Call for Papers

## CIPS 2012

7th International Conference on  
Integrated Power  
Electronics Systems

**March, 6th - 8th, 2012**  
**Nuremberg / Germany**  
[www.cips-conference.de](http://www.cips-conference.de)



## Conference Focus

In the next two decades, power electronic system development will be driven by energy saving systems, intelligent energy management, power quality, system miniaturization and higher reliability. Monolithic and hybrid system integration will include advanced device concepts (including wide bandgap devices), dedicated ideas for system integration, new ideas on packaging technologies and the overall integration of actuators/drives (mechatronic integration).

CIPS is focussed on three **main aspects**:

- Mechatronic Integration
- Hybrid System and Ultra High Power Density Integration
- Systems and Components Reliability

Basic technologies for integrated power electronics systems as well as upcoming new important applications will be presented in interdisciplinary invited papers.

## Conference topics

Applications and System Integration Developments addresses

- Transportation: Automotive, Aircraft, Railway
- Regenerative Energy: Wind, Solar ...
- Industrial Power Supplies

### 1. Mechatronic systems

- Integration of sensors and actuators
- Integration of PE into E-machine
- Overall system optimization

### 2. Application of integrated PE systems

- Inverters and converters
- Drivers
- Advanced filters

### 3. High and medium power modules

- Advanced module concepts
- Intelligent power modules

### 4. Packaging

- System and component packaging
- New materials and interconnects
- Cooling concepts
- Assembly concepts
- Embedded power
- High and low temperature applications
- Interface materials

### 5. Components

- New and integrated active and passive components
- Sensors and actuators
- Wide bandgap integration concepts

### 6. Reliability

- Reliability requirements
- Application dependent mission profiles
- Physics of failure
- Prognostics and health management
- Intelligent testing
- Robustness validation process

### 7. Design and Test Tools

- Electrical design: Internal parasitic and interferences (EMI)
- Thermal design and management
- Multi-physics CAD
- Physical models for failure mechanisms
- Calibration experiments

## Who should attend

The conference will be a technical and scientific forum for engineers coming from industry and academia engaged in

- System development
- Component development
- Reliability engineering
- Research

## Call for papers

Experts from industries laboratories and institutes wishing to make a presentation on the results of their recent research are cordially invited to submit a paper. Accepted papers will be presented in either oral or poster sessions.

Please create a pdf formatted abstract in English, 2 pages, including figures, tables & references showing summary, motivation and results. The paper should be headed by: Title, Author's names, Affiliations.

Please register your paper using the EDAS online registration at **[www.vde.com/cips2012papers](http://www.vde.com/cips2012papers)**. If you have already a personal account, please login with your username and password. Otherwise first create a new account, then register your Paper.

Please note:

- Accepted full papers will be published in proceedings as well as on a CD-ROM. A maximum of six pages of continuous text incl. pictures is accepted.
- The proceedings will be published by VDE Verlag and will also be available on the IEEE Conference Management Publications Program (CPP) and IEEE Xplore®.
- The authors of accepted full papers will be also allowed to submit the same paper for the IEEE Transactions.
- By submitting your full paper we assume that you have accepted the copyright-statement: [www.vde.com/typing-instructions](http://www.vde.com/typing-instructions)
- Each presentation incl. discussion will typically take 20 min.
- After the conference, the presentations will be made available for all participants on a password protected file server.