

# pesc04

Aachen, Germany

**IEEE Power Electronics Specialists Conference**  
Jointly organized with **VDE/ETG CIPS2004**  
Conference on Integrated Power Electronics Systems



"The Aachen Cathedral" - Marcel Schoenen, Aachen

**June 20 - 25, 2004**  
**Eurogress Aachen, Germany**

**[www.pesc04.org](http://www.pesc04.org)**



City Hall



Carnaval in Aachen



University's Main Building



Medieval city gate



University's Clinic

## Topics of Interest

- Discrete Power Semiconductor Devices
- Gate Drive Units
- Voltage Source Inverters (VSI)
- Current Source Inverters (CSI)
- Cyclo and Matrix Converters
- Resonant Converters
- Rectifiers and DC-DC Converters
- Power Supplies and Consumer Applications
- EMC / Power Quality / PFC
- UPS Systems and Alternative / Regenerative Energy
- Inverter Control (incl. PWM), Drives and Motion Control
- Transportation
- Automotive Applications
- Aerospace Power Applications
- Medium-Voltage Converters and Applications
- Prototyping and Real-Time Systems
- Diagnostics and Reliability, Fail-Safe and Fault-Tolerant Applications
- Device Packaging, Assembly Concepts and Integration (organized by CIPS)
- Packaging and Thermal Management (organized by CIPS)
- New Materials and Components for Hybrid Integration (organized by CIPS)
- Intelligent Integrated Drivers (organized by CIPS)
- Systems on Chip (organized by CIPS)
- Integrated Sensors (organized by CIPS)
- Mechatronics - Integration of Power Electronics and Actuators (organized by CIPS)
- Design for Reliability - Virtual Qualification (organized by CIPS)
- Design Methods and Tools (organized by CIPS)
- Life Cycle Costs (LCC) - Cost Analysis, Maintenance, Repair, Recycling, etc. (organized by CIPS)

## Deadlines

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| Submission of Abstracts and Digests | <b>November 30<sup>th</sup>, 2003</b> |
| Author's Notification of Acceptance | <b>February 15<sup>th</sup>, 2004</b> |
| Submission of Final Manuscripts     | <b>April 18<sup>th</sup>, 2004</b>    |

## Paper Submission

To be considered for the conference program, authors should submit electronically only as pdf file:

- An abstract of 300 words max. The abstract should contain title, author's name(s), affiliation(s), contact author, mailing address, telephone and fax numbers and email address. Abstracts exceeding the maximum length will not be considered.
- A digest of 5 pages max. outlining the work to be presented, the objectives of the paper and the results obtained. Key equations, figures and tables should be included within the page limit (reference list should be submitted as a separate page). Digests exceeding the maximum length will not be considered.

Paper submissions will be accepted electronically. Detailed instructions will be available on the PESC'04 website by August 1<sup>st</sup>, 2003.



Charlemagne

## Tutorials

The conference will feature several tutorials. If you are interested in organizing a tutorial please contact the tutorial chairman J. M. Pacas ([jmpacas@ieee.org](mailto:jmpacas@ieee.org))

## Exhibition

An important feature of the conference will be the exhibition (PESC EXPO 2004). PELS EXPO 2004 will be located in the foyer and the exposition hall of the Eurogress center and will have the following opening hours:

Monday, June 21 10:00 - 22:00 hours

Tuesday, June 22 10:00 - 16:30 hours

Wednesday, June 23 10:00 - 16:30 hours

If you like to know more about exhibiting at PESC 2004, please contact:

Secretariat PESC EXPO 2004

Institute for Power Electronics and Electrical Drives (ISEA)

Jaegerstrasse 17-19

D-52066 Aachen, Germany

email: [expo04@isea.rwth-aachen.de](mailto:expo04@isea.rwth-aachen.de)



Eurogress



Cathedral

### PESC'04 General Chair

Rik De Doncker  
Aachen University  
Germany

### PESC'04 Conference Secretary

ISEA, RWTH Aachen  
Jaegerstrasse 17-19  
52066 Aachen, Germany  
email: [info@pesc04.org](mailto:info@pesc04.org)  
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### PESC'04 Program Chair

Ralph Kennel  
Wuppertal University  
Germany

**Second Announcement and Call for Papers  
for the 35<sup>th</sup> Annual**



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**CIPS2004**

