

CALL FOR PAPERS



International Conference
& Exhibition for

**POWER ELECTRONICS
INTELLIGENT MOTION
POWER QUALITY**

2 – 4 June 2009

Shanghai

DEADLINES

Submission of Abstracts:

7 January 2009

Notification of Acceptance:

February 2009

Submission of Full Paper:

30 March 2009

Online Submission at:

www.pcimchina.com

- **Best Paper Award**
- **Young Engineer Award**
- **All accepted papers will be included in**

IEE InspecDirect

PCIM China is an independent, clearly defined event with full integration and a constant exchange between its conference and exhibition. Conference delegates, exhibitors and visitors meet under one roof in Shanghai's Everbright Convention & Exhibition Center.

PCIM China is co-located with IAC (Industrial Automation Control), TME (Test & Measurement) + Sensor China.

Experts from industry and academia are invited to present their latest developments and the likely future trends at PCIM China 2009 Conference. PCIM China Conference is one of the most leading conferences in China addressing the fields of Power Electronics, Intelligent Motion and Power Quality / Energy Management.

The conference will be a meeting forum for researchers, developers and specialists from industry and academia to discuss and offer possible solutions for flexible, fast, reliable, compact and economical power conversion.

CONFERENCE TOPICS

1. Advanced Power Semiconductors

- 1.1 High Power Semiconductors
- 1.2 MOSFETs, IGBTs, FREDs & Schottkys
- 1.3 Power Modules and Power Hybrids
- 1.4 SiC, GaAs and Wide Gap Devices
- 1.5 Device and Packaging Technology Trends
- 1.6 Power Supply Control IC and Power Management ICs

2. Passive Components and Integration

- 2.1 High Frequency and Low Loss Materials & Techniques for Inductors and Capacitors
- 2.2 Planar Inductors and Transformers and Thin Film Magnetic Component
- 2.3 Passive Integration

3. AC/DC Converter

- 3.1 High Efficiency/High Density Power Converters/Inverters
- 3.2 PFC for 1&3 Phase Systems
- 3.3 Resonant and Quasi Resonant Topologies for Power Supplies
- 3.4 Stand alone Power Supplies (Adapter) and on Board Power Supplies
- 3.5 New Topologies (Single Switch, Phase Shift, ZVS, ZCS, ZVZCS)
- 3.6 Digital Power Conversion

4. DC/DC Converter

- 4.1 Digital Control of DC/DC Converter
- 4.2 Synchronous Rectification
- 4.3 Battery Management
- 4.4 Power Supplies for Microcontrollers and Microprocessors
- 4.5 New Topologies for Distributed Power Supply Systems (Single or Multi-Stage Architecture, ZVS, ZCS, ZVZCS)

5. Motor Drive & Motion Control

- 5.1 Home Appliances
- 5.2 Small Power Motor "general purpose drive" with highly sophisticated Control Strategies and Low Cost Solutions
- 5.3 New Converter Types for Single- and Three Phase Systems
- 5.4 Advanced Motor Concepts for Industrial Application and Traction Drives
- 5.5 IPM and System Integrated Module
- 5.6 New Control Architectures DSP and Microcontroller
- 5.7 Advanced Sensor Concepts for Motor Drives

6. High Frequency Power Electronic Converters and Inverters

- 6.1 Thermal Design, Packaging and EMI Issues
- 6.2 Sensors specific to Power Electronics (e.g. voltage, current, power, temperature)
- 6.3 Techniques to reduce Switching Losses to improve Efficiency and reduce Size and Weight

7. Automotive Power Electronics

- 7.1 Hybrid Electric Vehicle
- 7.2 Lifetime of IGBT Modules in Motor Traction Applications
- 7.3 DC/DC Conversion in Automobiles
- 7.4 Bidirectional DC/DC Converters
- 7.5 Energy Storage and Management, including Battery Types, Supercapacitors and Fly Wheels

8. Power Quality Solutions

- 8.1 UPS Systems
- 8.2 Novel UPS Concepts and Applications
- 8.3 Active Power Filter (APF), DVR, SVG
- 8.4 Energy Storage System (Battery, Flywheel, Superconducting)
- 8.5 Harmonics and Power Factor Correction

9. Environmental Friendly and Renewable Energy Technologies

- 9.1 Power Electronics Architect for clean and renewable Energy
- 9.2 Wind Power
- 9.3 Solar Power
- 9.4 Fuel Cells and Fuel Cell Energy System

SUBMISSION REQUIREMENTS

Possibility to Present your Expertise

Oral Presentations: will be held within conference sessions addressing key elements of the same topic.

Poster Presentations: authors will have the opportunity to present their posters during the conference.

Conference Language

English

However, we recommend also to provide a Chinese version of the summary of your abstract together with your submission.

Online Submission

Please use the online form and pattern for your submission at www.pcimchina.com. Abstracts should be

submitted as pdf.file and should not exceed 3 pages. Deadline for submission is 7 January 2009.

Conditions of Acceptance

Authors are expected to secure registration fees. The Speaker's Registration Fee is 170,00 Euro per paper. Speakers from Chinese companies/universities may register for 85,00 Euro. Branches and subsidiaries of foreign companies are excluded from this reduced fee. In case of doubts the organizer has the right to refuse the application or to charge the registration fee for international participants. The Speaker's Fee includes free participation on all 3 conference days, the conference proceedings and CD-ROM, coffee break and lunch, free admission to the Exhibition as well as one ticket for the Welcome Party.

Selection Process

All submitted abstracts will be reviewed by the Board of Directors and the Technical Committee to ensure a high-quality conference. Submitted abstracts may be selected for oral or poster presentation. Notification about the acceptance will be in February 2009.

Awards

The papers for the Young Engineer Award and Best Paper Award will be selected upon the paper submissions by the Board of Directors and Technical Committee and will be granted at PCIM China 2009.

Young Engineer Award

Engineers not older than 35 years may apply for a Young Engineer Award. The winner will receive 250 Euro.

The Young Engineer Award is sponsored by:



Best Paper Award

The best paper of the conference will be remunerated with 250 Euro.

Venue

Shanghai Everbright Convention & Exhibition Center
No. 88, Cao Bao Road
Xuhui District, Shanghai 200233, P.R. China

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