

CALL FOR PAPERS AND POSTERS

Experts of industry and science are invited to present a contribution on the topics listed or they may also decide to work on other topics that correspond to the general subject of the conference. Abstracts up to 1000 words written within two pages should be submitted in English to the conference office containing the following information:

- Title of the paper
- Subject / topic of the paper
- 3-6 keywords of the paper
- Full name, organization or company, postal and email addresses of all authors

Abstracts will be reviewed before acceptance by the program committee.

The proceedings of EDPC 2011, containing abstracts or full scientific papers, will be published for the conference.

IMPORTANT DATES

Submission of abstracts:	March 1, 2011
Registration for tutorials:	April 1, 2011
Notification of acceptance:	May 1, 2011
Early registration:	May 1, 2011
Submission of full papers:	June 1, 2011
Review of full papers:	July 1, 2011
Submission of final papers:	August 1, 2011

TUTORIALS

On Tuesday, September 27, 2011 vendors of product- and process technologies, service providers or research organizations may offer tutorials to the participants of the conference. You can rent rooms in various sizes (from 20 up to 200 attendees) and for different durations (from 2 up to 8 hours). Please register until April 1, 2011.

TECHNICAL TOURS

On Friday, September 30, 2011, leading industrial companies and research institutes will offer to all participants the opportunity to visit their facilities. Please register as soon as possible as the number of attendees is limited.

EXHIBITION

EDPC 2011 will be complemented by an accompanying exhibition. Companies, research institutes and other organizations will be offered the opportunity to present their products and services to all participants. A perfect fit of your target audience and detailed technical discussions are guaranteed.

You may either choose a cost efficient poster presentation or a professional booth. Service specialists will support you by designing and building up your individual appearance.

VENUE AND ACCOMMODATION

The EDPC 2011 will be held in Nuremberg, Germany. For your accommodation, several hotels are booked all over the city.

CONFERENCE FEE

Registration	until May 1, 2011	after May 1, 2011
Standard Fee	€ 750,-	€ 890,-
Reduced Fee *	€ 490,-	€ 580,-

* Chairmen, Speakers and Students. All prices plus VAT

CONTACT

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 **E|DPC-2011**

Electric Drives Production
Conference 2011



1st International Conference

**Electric
Drives
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September 28th - 29th, 2011
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1st ANNOUNCEMENT & CALL FOR PAPERS

Friedrich-Alexander-Universität
Erlangen-Nürnberg



 **E|Drive-Center**

Bayerisches Technologiezentrum
für elektrische Antriebstechnik

ABOUT EDPC

Increasing power consumption, CO₂ reduction, growing mobility or progressing automation – all of these future megatrends are not possible without powerful electric drives. The electrification of the automobile powertrain system is considered crucial, as the whole sector is facing difficulties resulting from the substitution of the complete conventional powertrain. Besides advancing ideas on the design of powerful electric drives, the organization of the manufacturing processes and systems is of great importance.

The first International Electric Drives Production Conference offers an outstanding platform for the exchange of experiences for developers, researchers and potential users.

The focus of the conference will be set on the presentation of highly innovative products from various industries as well as manufacturing processes and strategies. Following the conference, there will be an industrial exhibition, tutorials, a poster presentation, technical tours and an accompanying program.



Are you interested in supporting the EDPC 2011 conference and presenting your company or institute as a sponsor? The EDPC 2011 is the ideal platform for the individual advertising of your innovative products and services. For further information, please visit our website.

TOPICS

Papers are invited particularly but not exclusively concerning the following areas:

Innovative Electric Machine Designs

- Alternative electric motor topologies
- Acoustic considerations
- Efficient cooling techniques
- New magnetic flux guide concepts
- Influence on production processes

Power Electronics and Control Methods

- Energy-efficient semiconductor materials
- Robust and heat-resistant electronics
- Sensors and sensorless control technologies
- Mechatronic integration approaches

Electronics Production

- Miniaturisation and interconnecting technologies
- Innovative assembly and packaging technologies
- New testing methods and quality assurance systems

New Materials and Semi-Finished Products

- High performance electrical steel types
- Advanced insulation materials
- High coercive magnetic materials
- Soft Magnetic Composites
- Light weight materials for electric drives

Manufacturing Technologies

- Efficient wire processing methods
- New sheet metal and coating processes
- Advanced die casting processes
- Productive cutting technologies

Assembly Technologies

- Innovative magnet assembly methods
- Novel balancing methods
- Mechanical and electrical connection
- Innovative winding technologies
- Final assembly and test

Electric Drive Production Systems

- New automated production lines
- Quality management methods
- Global value chains
- Lean production implementation

Computer-Integrated Manufacturing

- Computer-aided engineering and simulation
- Computer-aided design
- Integrated CAD/CAM - chains / CIM
- Manufacturing execution systems

Environmental Oriented Engineering

- Recycling and disassembly of electric motors
- Raw material availability and preservation
- Energy-efficient production processes
- WEEE and RoHS

New Applications for Electric Drives

- Transportation and material handling
- Mechanical and plant engineering
- Household appliances
- Medical technology
- Energy generation

Electromobility

- High volume production: processes and concepts
- Specific automotive requirements
- Strategies for the transition of added volume
- Automotive drive systems

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