

EPE Newsletter September-October 2005

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Call for papers deadline: 25 November 2005: <http://www.ro.feri.uni-mb.si/epe-pemc2006>

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To receive a copy of the issues: become a member of the EPE Association: epe-association@vub.ac.be

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1. EPE-PEMC 2006: August 30 – September 1, 2006, Portoroz, Slovenia

Call for papers deadline: 25 November 2005

All information available on:

<http://www.ro.feri.uni-mb.si/epe-pemc2006>

Please note that all accepted papers will be included in IEEE Xplore database and Ei Compindex, the most comprehensive interdisciplinary engineering databases in the world.

Special attention will be devoted to sustainable energy systems, clean surface transport, emergence of hydrogen as energy vector as well as to the most recent development in components technologies and converter's topologies.

One of the conference new activities is [promoting industry participation](#) to strengthen links between academia and industry.

EPE-PEMC'2006: August 30 – September 1 in Portoroz, Slovenia – Call for papers - <http://www.ro.feri.uni-mb.si/epe-pemc2006/>

Paper copies available from the secretariat upon request – **DEADLINE: November 25, 2005**

Organization and Venue

The European Power Electronics and Motion Control community will gather in Portorož, Slovenia, from August 30 to September 1, 2006 to exchange views on research progress and technological development in the various topics described hereunder. The conference will highlight exciting multidisciplinary areas of Power Electronic and Motion Control that respond to the technological challenges of the 21st century. It will provide a forum for important technical discussions yielding in integrating knowledge and experience from the different fields of Power Electronic and Motion Control.

EPE – PEMC 2006, organized by the University of Maribor and the University of Ljubljana, will be held at the Grand Hotel Bernardin Convention Centre. All conference activities will be concentrated in this Convention Centre, located on the Adriatic coast. Comfortable auditoriums, well-lit poster rooms and spacious exhibition areas will allow the attendees to move easily between the various activities. The modern facilities offered by this prestigious convention centre are tailor-made for a conference of the size and significance of EPE - PEMC.

Technical co-sponsors of the conference are: IEEE Slovenia Section, IEEE IES, IEEE PELS and IEE Japan.

Aims of the Conference

EPE-PEMC'06 conference is an event where researchers, developers and specialists from all over the world meet to present their state of the art research results from the fields connected with power electronics. Traditionally, the conference attracts a lot of young researchers, especially from the new EU members as well as from future EU members. They come to present their research achievements and validate them in comparison with others. One of the main goals of this EPE-PEMC conference is to provide a cross border cooperation platform to help the scientists and researchers in the region extended not only over Central and Eastern Europe, but also over Balkan states.

Topics

Power electronics has become the enabling technology for the majority of power processing engineering and for the future management of electrical energy. No future development of sustainable energy systems will be possible without the use of advanced and optimized power electronics and adjustable speed drives. It is used in all areas where electrical power conversion and control is needed. Special attention will be devoted this time to sustainable energy systems, clean surface transport, to the emergence of hydrogen as an energy sector as well as to the most recent development in component technologies and converters topologies.

The following topics will be discussed during the conference:

- Topic 1: Semiconductor Devices and Packaging**
- Topic 2: Power Converters**
- Topic 3: Control of Power Converters**
- Topic 4: Electrical Machines and Actuators**
- Topic 5: Motion Control, Robotics, Adjustable Speed Drives**
- Topic 6: Application and Design of Power Electronic Systems**
- Topic 7: Measurements, Sensors and Observing Techniques**
- Topic 8: Electromagnetic Compatibility**
- Topic 9: Power Electronics in Transportation**
- Topic 10: Mechatronic Systems**
- Topic 11: Power Electronics in Electrical Energy Generation, Transmission and Distribution**
- Topic 12: Renewable Energy Sources**
- Topic 13: Active Filtering and Unity Power Factor Correction Circuits**
- Topic 14: Education**
- Topic 15: Related Topics**

The list of topics holds only the headlines. A detailed list of subtopics is available at: <http://www.ro.feri.uni-mb.si/epe-pemc2006>.

Presentation of Papers

Contributions to EPE-PEMC 2006 must be presented either as a lecture presentation or as a dialogue presentation. A manuscript must be submitted in English in both cases for inclusion in the Conference Proceedings (CD-ROM). Papers for lecture sessions will be strictly limited and selected on the basis of wide audience appeal, ease of understanding and potential stimulation of broad ranging discussion.

Dialogue presentations will take place in the afternoons. No lecture session will be organized during the dialogue sessions.

Tutorials – Call for Proposals

The Conference Committee intends to arrange tutorials to be held prior to the Conference, and solicits proposals for appropriate subjects. The proposal should consist of three-page summary including tutorial title, name and affiliation of the lecturer(s), tutorial objectives and audience, topical outline and provisional schedule of tutorial. Tutorials will be organized before the conference.

Tutorial proposals are particularly welcome in the topics of the conference, although other topics may be proposed as well. The proposals for tutorials should be submitted to the official EPE-PEMC'2006 address (epe-pemc2006@uni-mb.si).

Special Sessions – Call for Proposals

Proposals are sought from those wishing to organize a special session. A special session consists of five papers, which should present a unifying theme from a diversity of viewpoints. The proposal should consist of three-page summary including special session title, name and affiliation of the organizer(s), name and affiliation of the lecturer(s), special session objectives and audience.

Special sessions proposals are particularly welcome in the topics of the conference, although other topics may be proposed as well.

The proposals for special sessions should be submitted to special session chairs Miro Milanovic (milanovic@uni-mb.si) or Martin Terbuc (martin.terbuc@uni-mb.si). Detailed information about the special session proposal is available on the conference homepage: <http://www.ro.feri.uni-mb.si/epe-pemc2006>.

Paper Submissions

Prospective authors are kindly invited to submit their manuscript in the form of full paper allotted 6 Proceedings pages. The originality and the main points of the paper are to be clearly indicated.

You will find guidelines for file and graphics format on the conference homepage: <http://www.ro.feri.uni-mb.si/epe-pemc2006>.

The submission of papers will be electronically done through the EPE-PEMC 2006 web site, where you can find detailed information on submission procedures and preparation of proposals. In case of any problems with the uploading system you can send the paper via official EPE-PEMC e-mail.

The paper will only be included in the Conference Proceedings after receipt of one full registration fee per paper in due terms. Student registration fee is only valid for student participants, not for authors. One single author may not present more than two (2) papers. In this case, the fee to present two papers will be 150% of the registration fee.

All accepted papers will be included in IEEE Xplore database and Ei Compendex, the most comprehensive interdisciplinary engineering database in the world.

A selection of outstanding papers will be published afterwards in the EPE Journal.

Deadlines

Intending authors should note the following deadlines:

Submission of 6 pages full paper:	25 November, 2005
Submission of proposals for special sessions and tutorials:	16 December, 2005
Notification of provisional acceptance:	20 March, 2006
Submission of final manuscripts:	26 May, 2006

Working Language

The working language of the conference is English, which will be used for all printed material, presentation and discussion.

Programme and Registration

A provisional programme and registration form will be prepared a few months before the conference and placed on the conference website (<http://www.ro.feri.uni-mb.si/epe-pemc2006>). Additionally, it will be sent (by e-mail) to all who submitted the papers – all authors and co-authors who completed their data sheet – and to all who requested a copy at the Conference Secretariat by sending an e-mail with their coordinates to: epe-pemc2006@uni-mb.si.

Exhibition

There will be an exhibition integrated in the conference. If you would like to know more details please refer to <http://www.ro.feri.uni-mb.si/epe-pemc2006> or contact us via e-mail: epe-pemc2006@uni-mb.si.

Venue

The conference venue is situated on the coast of the Adriatic Sea and a ten minute walk from each end of it brings us either to Piran or Portoroz. Piran is one of the oldest cities of Slovenia and is actually one large museum with the medieval architecture and rich culture heritage. Narrow streets and tight houses are a special charm of the town. Portoroz is the most vivid and worldly Slovenian tourist centre of Slovenian coast. Development of this tourist site started in 19th century when wholesome of mud from the nearby was discovered. Since then Portoroz has developed into a beautiful resort where one can find peace, relax and enjoy the lavish offer of the many hotel wellness centers.

The venue's exceptional location offers a wide choice of daily excursions to the most appreciated sights in the area, such as the fabulous cave of Postojna, the riding shows of the famous Lipizaner horses in the stud farm in Lipica, or Venice Italy that is only 2 hour boat trip away across the Adriatic Sea.

Secretariat

EPE-PEMC 2006 Conference Secretariat

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Most recent and additional information:

The conference: <http://www.ro.feri.uni-mb.si/epe-pemc2006>
EPE-PEMC Council: <http://elektro.get.bme.hu/EPE-PEMC/>
EPE Association: <http://www.epe-association.org>

Also a survey on tourism possibilities is offered using the EPE-PEMC 2006 Homepage: <http://www.ro.feri.uni-mb.si/epe-pemc2006>.

Conference Organizing Committee

General Chairman:

Prof. Karel Jezernik, Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia

Board of Co-chairmen:

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2. EPE 2005: 11-14 September in Dresden, Germany - <http://www.epe2005.com>

Final programme available from <http://epe2005.cborg.net/programme.html>

Latest versions of the papers are available for download for registered participants (registration code will be requested). Proceedings (CD-ROM) are available for purchase (170,00 EUR). EPE members receive a 10% discount.

3. Contents of Vol. 15 of EPE Journal

Vol 15 no 4: a series of peer reviewed papers

Challenges in using the latest generation of IGBTs in traction converters, Mark M. Bakran, Hans-Günter Eckel, Martin Helsper, Andreas Nagel, Siemens AG

Transient and Steady States Thermal Analysis and Simulation of Asynchronous Machine at no-load Condition, Dr.-Ing. Ogonnaya I.Okoro, Department of Electrical Engineering, University of Nigeria; Prof. Dr.-Ing. Bernd Weidemann, University of Kassel, Germany

Basic Operation Principles and Electrical Conversion Systems of Wind Turbines, Henk Polinder, Sjoerd W.H. de Haan, Johannes G. (Han) Sloopweg, Delft University of Technology, The Netherlands; Maxime R. Dubois, Université Laval, Québec,

A Non-dissipative Reflex Charging Circuit, Yao C. Hsieh, Department of Electrical Engineering, Kao-Yuan Institute of Technology, Taiwan; Chin S. Moo, Chih K. Wu, Jung C. Cheng, Power Electronics Lab, Department of Electrical Engineering, National Sun Yat-sen University, Taiwan, ROC

Influence of repetitions of short-circuits conditions on IGBT lifetime, F. Saint-Eve, S. Lefebvre, SATIE, CNAM, ENS de Cachan; Z. Khatir, INRETS, France

Behavior of synchronous machines subjected to voltage sags of type A, B and E, Frederik Carlsson, Chandur Sadarangani, KTH, Stockholm, Sweden

4. Future issues of EPE Journal:

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November 30, December 1 - 2, 2005 • Boston, MA
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8 – 9 June 2006, Naples, Italy
International Conference on Integrated Power Electronics Systems (CIPS 2006),
CIPS 2006 will be organized in connection with ISPSD 2006 – International Symposium on Power Semiconductor Devices and Integrated Circuits.
You find the Call for Papers for CIPS 2006 enclosed.
Further details are available on the Conference Web Site: <http://www.cips-conference.de>
Deadline for submission of abstracts to the CIPS Committee: 21 November 2005.

12-14 June, 2006, Lund, Sweden
NORPIE 2006
Contact: Lund University, Lund Institute of Technology
Department of Industrial Electrical Engineering and Automation
Lund, Sweden
<http://www.iea.lth.se/norpie2006>

21 – 22 June 2006, Paris, France
International Conference on Automotive Power Electronics,

You find the Call for Papers enclosed. Further details are available on the Conference Web Site:
<http://www.resauto.com/manifestation/sia/ape2006/>
Deadline for submission of abstracts: 25 November 2005

2-3 November 2006, Lausanne, Switzerland
ESSCAP'06
2nd European Symposium on Super Capacitors & Applications
Topic Areas
1. Materials and technologies
2. Diagnosis, reliability & safety
3. Power electronics and converters
4. Applications
Authors Deadlines
Submission of synopsis: May 15th, 2006
Notification of acceptance: July 5th, 2006
Submission of full paper: September 30th, 2006
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