

## 2-6 September 2007 European Power Electronic conference in Aalborg, Denmark, goes strongly renewable Do not miss an outstanding opportunity!



Five tutorials, the EPE Wind day, six parallel lecture sessions covering all areas related to Power Electronics, three dialogue sessions allowing face-to-face discussion with the authors, six specialized workshops and panel discussions on state-of-the-art topics, including a match-making workshop in preparation of the coming calls of FP7, industrial exhibition and technical tours.

**Make sure you are there: [www.epe2007.com](http://www.epe2007.com)!**

### Venue

The European Power Electronics and Adjustable Speed Drives community will gather in Aalborg, Denmark, in September 2007 to exchange views on research progresses and technological developments. The EPE 2007 conference ([www.epe2007.com](http://www.epe2007.com)) is sponsored by the EPE Association and will be held in the Aalborg Congress & Culture Centre from 2 to 6 September 2007. It is hosted by Aalborg University's Institute of Energy Technology.

The conference has received more than 950 synopsis and about 600 papers from 48 countries will be discussed during the sessions. The organizers expect more than 900 participants from all over the world enjoying Aalborg and the spirit of EPE 2007 as one of the leading power electronics conferences in the world.

Denmark is one of the frontiers in renewable energy supplies and distributed generation. Today about 20 % of all electrical energy is produced by wind turbines and further 30 % is covered by small combined heat and power plants, which is a record in this scale. Further due to strong national energy savings programmes the use of electricity has almost been 25 years even though production and population have increased. Europe has set up new targets for renewable energy and Denmark has the goal to remain one of the leading countries in the world. These issues will of course be addressed at the EPE 2007 conference.

### Content and programme

The conference is organized with 5 tutorials on Sunday with the following topics:

1. Modeling and Control of Permanent Magnet Synchronous Motors
2. Propulsion systems for hybrid and fuel cell electric vehicles
3. Superjunction devices & technologies - Benefits and Limitations of a revolutionary step in power electronics
4. Power Electronics and Control for Renewable Energy Systems
5. Grid Requirements, Monitoring, Synchronization and Control of Wind Turbines under Grid Faults

During the three days of main conference 160 papers will be presented in lecture sessions – done in the morning through six parallel tracks. In the afternoons papers will be presented in dialogue sessions. One of the highlights will be on Monday September 3 where many high level technical papers will be presented in wind turbine and wind power system technology with contributions from several leading manufacturers. The 100 papers received in this field highlight the present technological importance. Also other fields like adjustable speed drives, switched mode power supplies, automotive, custom power systems, new power devices will be thoroughly represented through highly interesting papers. Key-note presentations will highlight multi-level converters for utility applications, silicon carbide components and system optimisation, respectively on Tuesday and Wednesday mornings. Each day, the late afternoons hold several workshops in power electronics, power systems, education etc. Finally a match-making workshop is organized in order to facilitate joint projects for international R&D programmes. To spice the renewable energy spirit further, at the entrance of the conference site a full scale 3MW wind turbine nacelle will be placed for inspection – and inspiration. There will be free wireless connection during the conference so please bring your lap-top. The technical programme can be downloaded from (also as PDF)

<http://www.cborg.net/epe2007/programme.html>

During EPE 2007, a commercial exhibition will be organized. This is a unique opportunity for you to see products and to have prolonged discussions with fellow specialists in the field of Power Electronics and Drives. The aim of the exhibition is to promote technical exchanges and business contacts. Special products presentations will be organized on request.

The three main sponsors for the conference are Vestas Wind Systems A/S, Danfoss A/S and Grundfos A/S. All sponsors can be seen at <http://www.epe2007.com/sponsors.asp?p=9>

All this information and more about technical as well as sightseeing tours can be found on the conference Internet site at <http://www.epe2007.com>

We are looking forward to see you all in Denmark in the first week-end of September.

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