



The 3rd International Symposium on Power Electronics for Distributed Generation Systems



PEDG 2012

**Aalborg Congress & Culture Centre
City of Aalborg, Denmark, June 25~28, 2012**



CALL FOR PAPERS

<http://www.pedg2012.org>

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Following the success of the two international symposia devoted to the technological advances in Power Electronics and distributed generation (DG), the 3rd International Symposium on Power Electronics for Distributed Generation Systems (PEDG2012) will be held during **June 25 - June 28, 2012 in Aalborg, Denmark** where Distributed Generation dominates the electrical power production with more than 30 %. Denmark has as a goal to be fossil-free in 2050. The symposium is sponsored by IEEE Power Electronics Society.

All papers in the PEDG 2012 proceedings will be included in IEEE Xplore and EI Compindex

This unique international symposium will provide a venue for experts to present the state-of-the-art in power electronics and distributed generation systems. The symposium features keynote speeches and regular technical sessions on the theory, analysis, design, test and deployment related to power electronics for distributed generation and renewable energy systems as well as site-visits. The topics can be:

- New power semiconductor devices and modules for DG and renewable energy converters
- Power electronic converters and controls, including high voltage and high power converters
- High efficient power conversion for DG and renewable power systems
- Integration and control of multiple power converters and systems
- DG and converter interfacing technologies for utility grids and power quality
- Ground current suppression, dc injection suppression and EMI filter design
- Islanding detection, safety protection and standards of DG systems
- Control, communication and monitoring of DGs and renewable energy systems
- Energy storage, energy management, micro-grids and hybrid energy systems
- Applications of wind systems, photovoltaic systems, small hydro units, marine energy systems, fuel cells, microturbines, combined heat and power generators etc.
- Smart grids, demand response control and power system applications
- Technical challenges and barriers of power electronics for DG systems
- Reliability from device to DG systems
- Plug-in hybrid electric vehicle applications

Submission of Papers: The working language of the symposium is English. Prospective participants are invited to electronically submit abstracts and subsequently full papers of their work in English. The submission instructions and symposium information are posted on the symposium website (www.pedg2012.org). Accepted papers with presentation at the conference will be included in IEEE Xplore and indexed by EI Compindex.

Important Dates:

Deadline for abstract and digest submission: December 31, 2011 (max 5 pages)

Notification of acceptance: February 28, 2012

Deadline for final manuscripts: April 15, 2012 (max 8 pages)



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