

Dear Colleagues and Friends,

We would like to invite you to submit a paper for the special section on the topic “Induction heating” for the conference PEDG2012, June 25-28, 2012, Aalborg, Denmark.

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.

This special session invites papers presenting recent advances in this field with special reference to the following topics:

- Power converter topologies
- Control algorithms for induction heating
- New architectures of induction heating systems
- Electromagnetic-electronic system modeling and simulation
- Efficiency optimization on induction heating
- Applications of heating by electromagnetic sources: biomedical, industrial, and domestic devices

The PEDG 2012 conference will also include Special Sessions on highly specialized topic areas like:

- Innovative control methods for high-efficiency power generators
- Multiphase drives and generators: design, control, fault tolerance and applications
- Grid Integration of Power Converters: System Perspective
- Power converters and control for PV systems
- Induction Heating
- Universal small wind-turbines (grid-connected, stand-alone, micro-grid)
- Wind system impact on power system
- Active filters
- Electrical vehicles
- Predictive control of power converters
- Multilevel converters
- Magnetics in power electronics
- High power converters

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).

Submission of Papers for the special section: to submit papers for special section to PEDG 2012, please, choose “special session”, then after having introduced the title, the author list and the abstract it will be possible to choose to which special session the article shall be submitted

Please notice that the deadline of PEDG 2012 has been extended to 21st January.

Best regards

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Induction Heating Special Session Organizer, PEDG 2012

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