

IECON 2011 – The 37th Annual Conference of the IEEE Industrial Electronics Society

7-10 November 2011, Melbourne, Victoria, Australia

Special Session on

“Industrial Electronics Applied to Induction Heating”

organized by

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Call for Papers

Advances in power electronics have allowed a significant development of the induction heating systems, which is a key technology for both industrial processes and domestic appliances. Nowadays this technology is evolving towards more flexible, cost-effective, and efficient systems through the development of the power electronic converter, the control algorithms, and the inductor optimal design. This special session invites papers presenting recent advances in this field with special reference to the following topics.

Topics of interest include, but are not limited to:

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

Submission procedure and deadlines: Same as for regular papers.

All the instructions for paper submission are included in the conference website www.iecon2011.org