

CALL FOR PAPERS



Special Session on Induction Heating Systems

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
October 21-23, 2018, Washington D.C, USA



TOPIC OF THE SPECIAL SESSION

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 the Session

- Power converter topologies and devices.
- Digital control of induction heating systems.
- Magnetic component design for induction heating systems.
- Induction heating systems modelling and simulation.
- Efficiency optimization of induction heating systems.
- New architectures of induction heating systems.
- Applications of heating by electromagnetic sources: biomedical, industrial, and domestic devices.
- Educational issues and activities

IEEE IES Technical Committee Sponsoring the Special Session:

- Power Electronics
- Education in Engineering and Industrial Technologies

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Author's schedule:

- **Deadline for submission of special session papers**
May 1st, 2018
- **Notification of acceptance**
July 15th, 2018
- **Deadline for submission of final manuscripts**
August 1st, 2018

For additional information please visit www.iecon2018.org