

CALL FOR PAPERS

Special Session on Renewable Energy Sources and their Integration to grid Power Supply

to be held in the frame of
IECON 2013 - The 39th Annual Conference of the IEEE Industrial Electronics Society
10th - 13th of November 2013, Austria Center, Vienna, Austria



TOPIC OF THE SPECIAL SESSION

Renewable energy sources (Solar PV, Wind, Fuel cells, etc.) are seen as important components of future smart energy network ranging residential systems industrial systems to generation systems. Renewable energy based supplement generation and storage improves grid reliability and security. It ensures continuity of power supply and low transmission losses when installed at distribution centers. At the user end, it facilitates low electricity utility bill, own back-up, and introduces options for comfortable living. Overall, it is green and clean move compared to fossil-fuel/diesel based electrical power generation. Grid-integration involves power conditioning and poses some power quality issues. This special session focuses on technologies related to renewable energy sources integration to both islanded micro-grid as well as utility based grid power supply.

Topics of interest include, but are not limited to:

- Renewable energy harvesting and power conditioning
- Multi-port converters for interfacing multiple renewable energy sources
- Renewable to Grid integration through high-frequency dc/ac and ac/ac converters

SPECIAL SESSION ORGANISATION

Akshay K. Rathore
eleakr@nus.edu.sg

Sanjib K. Panda
eleskp@nus.edu.sg

The organizers look forward to welcoming you to Vienna, Austria from 10th to 13th November 2013.

Important Dates

Regular Paper submission:	April 01, 2013
Notification of acceptance:	June 15, 2013
Final submission:	August 01, 2013



- Power converters and control for islanded and grid-connected micro-grid
- Single-phase and three-phase systems for residential and industrial power systems
- DC grid for residential and data centers
- Distributed stationary and mobile energy storage integration to grid
- Efficient, intelligent, and reliable distributed and centralized control
- Online/real-time monitoring and intelligent control making decisions on energy flow direction
- Power quality issues and new control techniques on harmonic reduction

SUBMISSION OF PAPERS

The working language of the conference is English. Submit the full paper as PDF following the IEEE layout requirements by using the templates given at the conference web page. Accepted and presented papers will be published in an IEEE Proceedings volume and will be sent to IEEE Xplore. In addition, selected authors are encouraged to submit their papers for publication in the IEEE Transactions on Industrial Electronics or in the IEEE Transactions on Industrial Informatics.

THE CONFERENCE

IECON 2013 is the 39th Annual Conference of the IEEE Industrial Electronics Society, focusing on industrial and manufacturing theory and applications of electronics, controls, communications, instrumentation and computational intelligence. The objectives of the conference are to provide high quality research and professional interactions for the advancement of science, technology, and fellowship.

Papers with new research results are encouraged for submission. IECON 2013

will be held concurrently with the 7th IEEE International Conference on E-Learning in Industrial Electronics (ICE-LIE 2013). Participation in any of these events just requires a single conference registration fee. The world's industry, research, and academia are cordially invited to participate in the wealth of presentations, tutorials, special sessions and social activities, and furthermore, enjoy beautiful Vienna.