

CALL FOR PAPERS

Special Session on Advanced Power Electronics for Power Quality Improvement in Distributed Generation Systems under Heavy Penetration of Renewable Energy Sources and Nonlinear Loads

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

The integration of nonlinear devices (motor drives, renewable energy generators) into the grid reduces its power quality, performance and reliability. Various power electronics converters for harmonic compensation were recently introduced. Great efforts are continuously deployed on the structural and control levels to achieve optimized cost-effective solutions for power quality enhancement. This session is intended to give an insight on the latest studies concerning the design and development of power electronics converters dedicated to power quality improvement in modern power systems.

Topics include but are not limited to:

- 1) Active and hybrid power filters
- 2) High power factor rectifiers
- 3) Multilevel and matrix converters

SPECIAL SESSION ORGANISATION

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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



- 4) Unified power quality controllers
- 5) PWM advanced control techniques
- 6) Modeling methods for switch-mode converters
- 7) Real-time simulations
- 8) HVDC transmission
- 9) Interleaved converters
- 10) Photovoltaic and fuel-cells power plants
- 11) Wind generation systems

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.