

CALL FOR PAPERS

Special Session on Advanced Active Power Filters & Static VAR Compensators

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

Industrial growth has quite often been at the cost of environmental degradation. Therefore, consciousness of environmental cleanliness is made strong and all efforts are put now for green technologies. Use of adjustable speed drives, diode rectifiers, induction furnace and other non-linear loads have increased productivity but at the expense of injecting harmonics and/or reactive power loading into the system. Active power filtering and static VAR compensation are an extremely important topic. In this special session, new topologies for such compensation are invited and new controllers for the existing topologies are welcome. Special emphasis will be on dealing with load unbalancing and single phase loads.

Topics of interest include but are not limited to

- Power Line Harmonic Compensators: Series, Shunt and hybrid type Active Power Filters
- Topological developments of Active Power Filters and STATCOMs
- Power quality monitoring
- Reference generation techniques

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



- Pulse Width Modulation and its applications in Power Line Conditioners
- Developments of advanced controllers
- Application of soft computing (including evolutionary computation techniques) in Power Line Conditioners & STATCOMs
- Power Filters & STATCOMs for highly unbalanced load

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.