

CALL FOR PAPERS

Special Session on Power Electronics, Control, Motor Drives, and Energy Management in Electric and Fuel Cell Vehicles

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

Fuel cell vehicles (FCVs) and electric vehicles (EVs) are means of green transportation system for next generation or future as they are quiet and environment friendly. FCVs and EVs are on road successfully but competitive cost is a challenge. This issue will be over with research progress on these topics and once the mass production starts. Further Research is needed to push these technologies and make the environment noise and carbon free.

Topics of interest include, but are not limited to:

- Power converter topologies for Electric, Hybrid and Fuel Cell Vehicles
- Contactless (resonance and inductive) and wired charging for electric and plug-in-electric-vehicles
- Battery management system for EVs and FCVs
- Vehicle integration into the grid and effect of number of parallel vehicle integration

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



- Soft-switching and optimal design of power converter topologies for electric and fuel cell vehicles
- Electric motor drives and control for vehicles
- Energy storage options and transient issues
- New power conditioning systems (architectures) and motor drive options and their performance evaluation/investigation or comparison
- Intelligent control
- New architectures of fuel cell vehicles and electric vehicles power system and propulsion 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.