IEEE Transactions on Industrial Electronics

CALL FOR PAPERS

"Plug-in Hybrid Electric Vehicles"

The Theme: Due to the ever-growing need for higher fuel economy and minimal environmental impact, advanced vehicular technologies, such as plug-in hybrid electric (PHEV) vehicles are being researched upon at a brisk rate. The improvement of overall efficiency is the most important issue for the emergence and acceptance of these vehicular technologies. This special section primarily aims at addressing the practical issues for commercialization of current and future PHEVs, and aims to focus primarily on power electronics and motor drives based solutions for both the current as well as future automotive industry. Furthermore, one of the major goals of this special section is to highlight detailed modeling, simulation, analyses, and comparative studies of existing and future PHEV technologies. Topics of interest of this Special Section include, but are not limited to:

- Advanced PHEV power electronics
- Novel machine designs for PHEV propulsion
- Advanced PHEV motor drive solutions
- Modeling and simulation of PHEV power trains and drive trains
- New PHEV power system architectures
- Battery technologies for PHEV applications
- Fuel cell based PHEV technologies
- Ultra-capacitor based hybrid storage systems
- Design and implementation of PHEV energy management strategies
- PHEV market trends and future prospects

Manuscript Preparation and Submission

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SS on Hybrid Electric Vehicles.

Timetable

Deadline for manuscript submissions	**February 28, 2009**
Information about manuscript acceptance	**July 2009**
Estimated publication date	**December 2009**

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