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Control and Management of Electric Power System in Vehicles

Guest Editors:

Dr. Anna Pinnarelli

Prof. Dr. Daniele Menniti

Dr. Giuseppe Barone

Dr. Pasquale Vizza

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Message from the Guest Editors

As is well known, key technologies in EVs include motor drive technology, power electronic technology, micro-electronic and control technology, automotive technology, material technology, and energy storage technology. Integration of all these techniques is the key to success in EVs. The most important issues in EV design are System Integration (SI) and Optimization. Moreover, high-performing electric machines are coupled with a high-performing control algorithm to deliver maximum system efficiency and performance.

The objective of this Special Issue is to bring together state-of-the-art research contributions that explore the technology solutions, models, control and management methods, approaches, and technological innovations to obtain more efficient performance and comfort with safety and reliable operations at a cheaper price. Special attention to the most recent experimental applications, in particular, highly efficient solutions over a wide range of driving conditions, considering V2G, V1G and V2H operating conditions, are greatly desirable.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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