

Special Issue

Energy Management and Control of Fuel Cell Hybrid Electric Vehicles

Message from the Guest Editors

Energy management/control strategy design is one of the key issues in the advancement of fuel cell and hybrid vehicles so as to maximize the reliability, efficiency, and lifetime of the system while satisfying the requested power. Several methods have been put forward and are currently being developed, from physical model-based control methods to pure data-driven techniques. Each of the proposed techniques have their own advantages and disadvantages and can be appropriately utilized in several cases. Furthermore, from a global standpoint, the power sharing between different sources of a fuel cell hybrid electric vehicle (FCHEV) results in varied energetic performance and imposes ageing/degradation on the utilized sources. The main purpose of this Special Issue is to disseminate the most recent advances related to the energy management strategy of FCHEVs along with theory, design, modeling, application, control, and condition monitoring of all the involved energy/power sources.

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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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