Special Issue

Energy Management of Hybrid Vehicle Networks

Message from the Guest Editors

The global market share of plug-in electric/hydrogen vehicles is on the rise, and considering ideal opportunities for the broader introduction of renewables to the transport sector it is also resulting in a rapid increase in charging demand in both spatial and temporal domains. The network and coverage of public charging stations (CSs) are currently constrained by infrastructure costs and availability. The primary goal of this Special Issue is to show research works on both charging networks for electric and hydrogen vehicles to present solutions in energy markets. Optimal locations and sizing, cost analysis, and energy management strategies are the main criteria for these infrastructures. Relevant topics include, but are not limited to:

- Electric vehicle networks in sustainable smart electricity markets;
- Hydrogen vehicle networks in the energy market;
- Feasibility studies of charging infrastructures in terms of using batteries and fuel cells;
- Efficiency analysis of hydrogen energy storage;
- Economic, policy, and regulatory aspects of charging infrastructures

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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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