Special Issue

Energy Management Systems of Electric Vehicles: New Trends and Dynamic Futures

Message from the Guest Editor

Both academia and the automotive industry have been actively proposing an array of solutions centered around intelligent and innovative energy management systems (EMS) within the powertrain domain. This Special Issue serves as a platform not only for the dissemination of cutting-edge advancements in intelligent and innovative EMS for BEVs, but also for the exploration of futuristic energy management paradigms. Topics of interest for publication include, but are not limited to, the following:

- Integrated thermal and energy management system
- Energy management of multi-motor battery electric vehicle
- Reinforcement learning-based EMSs for BEVs
- Impact of EMS in designing multi-speed BEVs
- Traffic predictive EMSs for BEVs and range extension
- Multi-objective optimization-based EMSs for BEVs
- EMSs for ICE-based and fuel-cell range-extended electric vehicles
- EMSs formulation for long-haul battery electric trucks
- Energy savings of BEVs in connected driving scenario
- Regenerative braking efficiency/ energy maximization in BEVs

Guest Editor

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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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