Special Issue

Advances in Hybrid Electric Powertrain and Vehicle

Message from the Guest Editors

With a combination of an IC engine and electric power system, a hybrid electric powertrain can significantly reduce vehicle emissions and fuel consumption without sacrificing performance, safety, and economy. A hybrid electrical vehicle (HEV) can provide a long driving range, energy diversification, and high sustainability. This Special Issue, entitled “Advances in Hybrid Electric Powertrain and Vehicles”, aims to gather original contributions on high-performance vehicle powertrain systems. Both environmental and economic aspects are specific interests for this Special Issue. In particular, researchers are encouraged to propose improvements in hybrid electrical vehicle (HEV) configurations, high-efficiency engines, power-split systems, energy management, operation and control strategy, battery management systems, emission control strategies, hybrid energy sources, and refueling systems.

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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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