Special Issue

Challenges, Trends and Achievements in Electric Vehicle Research and Development in the Era of Vehicle Electrification

Message from the Guest Editors

In this Special Issue we would like to propose a broad topic covering all aspects of vehicle development accompanying the progressive electrification of their propulsion. Topics may range from issues related to the propulsion system, energy storage, and control of this system to issues related to the impact of the increased weight of the energy storage system and its location as related to vehicle dynamics, vehicle layout, the mechanical structure of the vehicle body and chassis, changes in the selection of chassis parameters, or the need to ensure crash safety for passengers as well as energy storage. Proposed sample subject areas may include such specific topics as: - The modeling and control of hybrid and electric drive systems; - Various propulsion solutions (electric motor location, powertrain ratio, and gear numbers) for electric vehicles and their influence on energy consumption and other aspects of electric vehicle dynamics; - Energy storage in electric vehicles—energy, weight, volume, and safety issues;

Guest Editors

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Deadline for manuscript submissions

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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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