Special Issue

Hybrid Vehicles: Advanced Techniques, Challenges and Prospects

Message from the Guest Editor

This Special Issue aims to collect contributions that address the challenges and opportunities related to advanced hybrid vehicles, ranging from propulsion engineering to the optimization of energy management systems. One crucial aspect is the advancement of hybrid propulsion techniques, which include battery hybrids, plug-in hybrids, hydrogen hybrids, and other innovative solutions. Research proposals that explore the latest innovations in this field and analyze their impacts on vehicle performance, battery range and lifespan, as well as their integration with intelligent charging networks, are particularly welcome. Moreover, the challenges associated with the widespread implementation of hybrid vehicles should not be overlooked. Authors can contribute by providing insights into issues related to charge infrastructure and economic considerations. In addition, it is crucial to address future scenarios for hybrid vehicle development, including trends in the automotive industry, in their design, and in manufacturing innovations, as well as their integration with other emerging technologies such as autonomous driving.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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