Special Issue

State-of-the-Art Energy Saving in the Transport Industries

Message from the Guest Editor

Modern transport is one of the key sectors that influence worldwide energy consumption and greenhouse gas emissions. With ongoing climate change, rising energy prices, and tightening legal regulations, especially in the European Union and developed countries, more and more emphasis is being placed on energy efficiency and sustainable development in transport. Energy-saving solutions are becoming not only a technological necessity but also a strategic element in the fight against the climate and energy crisis. Electric vehicles, hybrid drives, sustainable fuels, lightweight construction materials, energy recovery systems, modern lithium-ion batteries, and advanced energy management systems are becoming the standard in the automotive, rail, aviation, and marine industries. Their use allows for a significant reduction in fossil fuel consumption, CO2 emissions, and operating costs. The aim of this Special Issue is to present the latest scientific achievements related to methods for reducing energy consumption at local and global scales, as well as to present a scientific analysis of issues related to this topic.

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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