

Special Issue

Trends and Prospects in a New Generation of Engines and Powertrains

Message from the Guest Editors

The more and more stringent regulations in terms of pollutant emissions and CO₂ emission targets is pushing the companies in the mobility sector to investigate innovative technological solutions for engines and powertrains, which include powertrain electrification, innovative air-path and fuel-path control, innovative combustion concepts, advanced aftertreatment systems, sensor-based and model-based control of the combustion and emission formation processes, biofuels, techniques for the optimization of the powertrain energy fluxes and their integration with the emerging Vehicle-to-Everything (V2X) systems, also by means of artificial intelligence. Taking into account this scenario, this Special Issue aims at encouraging both academic and industrial researchers to present their latest findings concerning the previously cited aspects, which can lead to a significant contribution towards the achievement of green and sustainable mobility.

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Deadline for manuscript submissions

closed (30 November 2022)



Energies

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Impact Factor 3.2
CiteScore 7.3



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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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