

Special Issue

Sustainable Energy Systems for Heavy-Duty Mobile and Maritime Applications

Message from the Guest Editors

We would like to invite publications for this Special Issue of *Energies* titled “Sustainable energy systems for heavy-duty mobile and maritime applications”. There is a strong need to drive decarbonization in the transportation and mobile machinery sectors, which account for ~16% of global GHG emissions, and ~25% of EU and ~29% of US GHG emissions, respectively. Of particular significance are maritime, heavy-duty off-road, and commercial on-highway applications, where battery-only electrification is difficult due to space, weight, and duty cycle requirements. A combination of highly efficient chemical energy converters, appropriate degrees of hybridization, renewable/carbon-neutral fuels, and advanced control strategies are needed to minimize the overall carbon footprint of these applications. The enforcement of stringent criteria pollutant emission regulations and the presence of electric charging infrastructure will also play a key role in influencing the design and operation of the powertrains/energy systems for these applications.

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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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