

Special Issue

Internal Combustion Engines in the Energy Transition: Efficiency, Control, and Sustainable Fuels

Message from the Guest Editors

Dear Colleague,

Internal combustion engines (ICEs) remain a key technology in transportation and power generation, despite the ongoing energy transition. In fact, ICEs will continue to play an important role in applications where electrification is not suitable, such as long-haul road transportation and marine propulsion. In these contexts, it is still required to further improve the efficiency and environmental impact of ICEs, particularly by reducing their carbon footprint.

The aim of this Special Issue is to collect and disseminate analyses (by means of experimental or numerical approaches) of internal combustion engines, applications of sustainable fuels, and developments of new control strategies for efficient management.

Topics of interest include, but are not limited to, the following:

- Strategies for monitoring and controlling injection and combustion events;
- Real-time and off-line modeling;
- Applications of sustainable fuels;
- Combustion performance of green fuels and their blends;
- Spray technologies;
- Numerical and experimental analyses;
- Innovative techniques for emissions reduction;
- Advanced approaches to improve engine efficiency.

We look forward to collaborating with you.

Guest Editors

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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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