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Internal Combustion Engine Performance

Guest Editors:

Dr. Georgios Mavropoulos

Dr. E.C. Andritsakis

Dr. Roussos G. Papagiannakis

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

The world energy crisis and the environmental impact have played a major role in the development of the internal combustion engine during the last few decades. At this time, it has become obvious that a closer understanding of the thermodynamic processes occurring within the engine is necessary. As a result, research on I.C. engines has expanded enormously, both on simulation and experimental bases. Today, the main objectives are the improvement of engine performance, the minimization of fuel consumption/CO₂ emissions, and the reduction of the level of exhaust pollutants. To this aim, various alternative combustion techniques have been developed or are under development (e.g., direct injection SI engines, HCCI operation), and in parallel, various internal and after-treatment exhaust measures are also being examined.

The present Special Issue of *Energies* aims to gather innovative research and include some of the latest developments on internal combustion engines.



mdpi.com/si/30124

Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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