

Special Issue

Internal Combustion Engine and Vehicles: Present Situation and Prospects

Message from the Guest Editors

With ever-stricter regulations and increasing competition from electric alternatives, there is presently unprecedented pressure to make internal combustion engines cleaner and more efficient while maintaining its well-known value-for-money characterization. The main purpose of this Special Issue is to gather relevant scientific results on the following broad topic: the improvement of the energy and ecology performance of internal combustion engines, as this relates to road mobility. Topics:

- Design, modelling, and control of modern internal combustion engines.
- Internal combustion engine thermodynamics.
- Clean engine technologies
- Internal combustion engine vehicles: matching internal combustion engines and transmissions.
- Hybrid electric vehicles: efficient integration of internal combustion engines within the hybrid propulsion system, with modeling and control strategies and energy management.

Please note that papers addressing topics which are not explicitly quoted above but have scientific relevance to this Special Issue will be considered.

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Deadline for manuscript submissions

closed (30 November 2023)



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Impact Factor 2.5
CiteScore 4.7



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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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