Special Issue

Advancements in Ignition Engine Technology: From Combustion Efficiency to Emission Reduction

Message from the Guest Editors

The internal combustion engine-powered machinery and automotive industries are at a critical juncture to balance the demand for high-performance machines and vehicles with minimizing environmental impact. The development of spark-ignition engine technology remains essential to achieving these goals, especially as researchers and manufacturers work towards optimizing combustion processes, increasing engine efficiency, and reducing emissions. This Special Issue focuses on the latest advancements in ignition engine technology, encompassing a wide range of topics from fundamental combustion dynamics to innovative emission control strategies. This Special Issue aims to provide a comprehensive platform for researchers, engineers, and industry professionals to share their findings and insights into the evolution of ignition engine technology. We welcome contributions that explore both theoretical and experimental studies, as well as technological innovations and real-world applications. By presenting a diverse range of research, we seek to foster a holistic understanding of how advancements in ignition engines can contribute to more efficient, cleaner, and sustainable energy solutions.

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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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