

Special Issue

Sustainable Internal Combustion Engines

Message from the Guest Editors

Undoubtedly, road mobility is the engine of the economic development and is one of the fundamental aspects of the human society, because it allows everyone the freedom of movement. However, road mobility, which is a significantly growing sector worldwide, is currently one of the main sources of the greenhouse gas emissions (specifically, CO₂ emissions) and city pollution. More exactly, the internal combustion engine as the most used technology for ensuring that road mobility is held accountable for the intensification of the above-presented problems. Consequently, facing ever-stricter regulations and increasing competition from the electric alternative, there is a pressure without precedent to make the internal combustion engine cleaner and more efficient, while still keeping its well-known value-for-money feature. In other words, the ongoing optimization of the internal combustion engine is still essential for the future of road mobility, which objectively speaking, cannot be suddenly shifted to fully electric vehicles.

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Deadline for manuscript submissions

closed (15 March 2022)



Energies

an Open Access Journal
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Impact Factor 3.2
CiteScore 7.3



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