Special Issue

Advanced Boosting Systems

Message from the Guest Editor

The requirements for the reduction of CO2 emissions imposed by the European Commission for passenger cars has driven the automotive industry to develop technological solutions to limit exhaust emissions and fuel consumption, without compromising vehicle performance and drivability. This Special Issue will collect research on advanced boosting systems, welcoming innovative papers on this subject. The main topics of interests are related (but not limited to) the following:

- Advanced boosting systems
- Variable geometry turbine
- Electrically assisted turbocharger
- Electrically assisted compressor
- Two-stage systems
- Compressor surge
- Pulsating flow turbine performance
- Pulsating flow compressor performance
- Gasoline Millerized engines
- Modeling of hybrid turbocharged engines

Guest Editor

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Deadline for manuscript submissions

closed (30 August 2021)

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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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