Special Issue

Accelerating the Advent of Clean and Intelligent Thermal Engines

Message from the Guest Editor

The current Special Issue aims to provide a platform for the proper dissemination of innovative research developments in alternative fuels (e.g., hydrogen, ammonia, syngas, e-fuels, solar fuels, and SAF), combustion technologies (e.g., SI, CI, RCCI, HCCI, PCCI, and GT), and numerical as well as experimental techniques and approaches that focus on accelerating the transition to clean and intelligent thermal engines. Topics of primary interest include, but are not limited to:

- Low temperature combustion;
- Limit phenomena (ignition, extinction);
- Mathematical methods;
- Machine learning;
- Premixed/non-premixed flames;
- Turbulent/laminar flames;
- Thermoacoustics;
- High-fidelity numerical simulations (DNS, LES, RANS);
- Emissions;
- Compression/spark ignition engines;
- HCCI/RCCI;
- Gas turbines;
- Sustainable fuels;
- Solar fuels;
- Hydrogen;
- E-fuels;
- Gasification;
- Pyrolysis;
- Droplets;

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2022)

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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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