



Accelerating the Advent of Clean and Intelligent Thermal Engines

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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;





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Message from the Editor-in-Chief

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