Special Issue

Recent Advances in Thermofluids, Combustion and Energy Systems

Message from the Guest Editors

Energy and propulsion systems provide the foundation for modern industry and life. The more stringent emission and efficiency requirements have pushed the advances in energy and propulsion systems, which rely on the progress across multiple disciplines such as fluid and thermal sciences, design and optimization, manufacturing, automatic control, measurement and diagnostics, etc. This Special Issue aims to present the most recent advances related to the theory, design and optimization, modelling, experimentation, and control of energy and propulsion systems.

- Experimental and numerical investigation of combustion;
- Experimental and numerical investigation of heat transfer;
- Experimental and numerical investigation of atomization;
- Combustion chemical kinetics;
- Advanced modelling approaches;
- High-temperature gas measurement with thermocouples and laser diagnostics;
- System or component design and optimization for energy and propulsion systems;
- System or component control for energy and propulsion systems.

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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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