Special Issue

Advancements in High-Speed Combustion and Propulsion Systems

Message from the Guest Editors

The development of experimental techniques and exa-scale computing capabilities for advanced propulsion system design, and new propellants for more energy-efficient, more climate-friendly power/thermal units are critical in the rapid evolution of next-generation advanced propulsion systems. This Special Issue will address the most recent achievements in the development of advanced high-speed propulsion systems. The topics of interest include but are not limited to:

- Numerical analysis of advance propulsion systems;
- Advanced experimental measurements on flow and combustion dynamics;
- Fuel-air mixing methods in high-speed flows;
- Flame-holding strategies in high-speed flows;
- Pressure-gain combustion;
- Thermodynamic modeling on combined cycle engine systems;
- Novel propellants for ramjet/scramjet propulsion.

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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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