



Hybrid Rocket Engines

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editor

In this Special Issue, we invite contributions relating to the advancement of hybrid rocket engine technology, including, but not limited to: performance enhancement technology (such as paraffin-wax-based fuel, metallic additives, swirl oxidizer injection, unique grain design), combustion and flow simulation (such as large eddy simulation, dynamic numerical simulation, thermochemical erosion, heat transfer of radiation), molecular dynamics, overall optimization design, multidisciplinary design and optimization, optimization with uncertainty, feeding system design, engine component design, ablation-resistant nozzle technology, electric pump pressurized systems, thrust throttling technology, ignition technology, advanced measurement technology, and novel applications.

- hybrid rocket engine
- performance enhancement technology
- combustion and flow theory
- engine component design
- thrust throttling, optimization, applications





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Message from the Editor-in-Chief

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