Special Issue

Breakthrough Propulsion for Spacecraft

Message from the Guest Editors

Current spacecraft propulsion limits the exploration of our solar system within our lifetime. Breakthroughs are necessary to drastically increase our range and/or reduce trip times. This Special Issue in *Aerospace* will explore concepts that enable the next generation of spacecraft towards the ultimate goal of enabling interstellar flight.

Topics of interest include concepts that offer significant breakthroughs with respect to the current state-of-the-art, such as very advanced photon or nuclear propulsion, pushing the limits within the known boundaries of physics. Proposals that challenge or investigate current physical boundaries are welcome if they are sound and of sufficient scientific rigor. Both theoretical schemes (like warp-drive or vacuum force calculations) and experimental results on tests of concepts that could enable a breakthrough in space propulsion are welcome.

Keywords
- breakthrough propulsion
- interstellar travel
- advanced in-space propulsion
- warp drive
- vacuum forces

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Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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