

Special Issue

Recent Advances in Space Propulsion Technology

Message from the Guest Editors

This Special Issue is devoted to the application of advanced propulsion (nuclear thermal, nuclear electric, advanced nuclear, fusion, fission/fusion hybrid, antimatter, and propellant-less propulsion). Missions of interest, theoretical performance, experiments, component performance analysis, multidimensional simulations, vehicle design and systems integration issues may be considered. Concepts focused on servicing cis-lunar space, which may serve as the staging area for crewed deep space exploration to Mars and beyond, are of particular interest. Examples of relevant cis-lunar space missions include space tugs, refueling, and debris remediation.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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