

Special Issue

Recent Advances in Space Debris

Message from the Guest Editors

Space debris represents a risk for current and future missions in Earth orbit. Debris impacts may cause damages to space vehicles up to the point of loss of functionality of the entire spacecraft. The debris environment therefore requires continuous monitoring and regulation strategies, which should be coordinated among all stakeholders to avoid any further deterioration. This Special Issue aims to present recent advances in research on space debris to improve the safety of the near-Earth orbits and mitigate the risks related to debris impacts. Topics of interest include but are not limited to hypervelocity impact modeling and testing; spacecraft vulnerability analysis and protection design and development; debris observation and environmental modeling; fragmentation event simulation, analysis, and observation; re-entry technologies and life-extension systems; active debris removal concepts, missions, and in-orbit demonstrations; sensors and systems for disposal; and space traffic management.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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