

Special Issue

Dynamics and Control of Flexible Spacecraft

Message from the Guest Editor

Different trends can be identified in the current evolution of space systems. From one side, increasing interest has been dedicated to small, distributed spacecraft, orbiting in formations or constellations that can even reach hundreds or thousands of small satellites. On the other side, specific missions can only be achieved by designing very large monolithic satellites, which are equipped with large dimension antennas, solar arrays, and booms. In this latter case, a specific problem arises, due to the non-negligible elastic dynamics of the large structures, which are the main topic of this Special Issue.

I would like to cordially invite you to contribute a paper to this Special Issue of the open access journal Applied Sciences, entitled “Dynamics and Control of Flexible Spacecraft”, which aims to present recent developments in the field of dynamics modeling and control algorithms for very large, flexible spacecraft, both from a purely numerical and from an experimental point of view.

Guest Editor

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About the Journal

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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