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Small Satellites Missions and Applications

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Deadline for manuscript
submissions:

closed (29 April 2023)

Message from the Guest Editors

Dear Colleagues,

In the last 20 years, two factors have revolutionized the way space missions and applications are conceived, namely an increased access to space guaranteed by new launch providers and advances in miniaturized technologies. These two factors have rapidly made small satellites a reliable tool for scientific, commercial, and educational activities in space. Acting as a part of a larger mission along with larger satellites, or even substituting the latter in some cases, small satellites have now become a reality in modern space missions. This Special Issue aims to publish original research papers in this area. Relevant topics as follows:

- CubeSats, PocketQubes;
- Remote sensing/Scientific/Biological missions and instruments;
- Interplanetary/Educational missions;
- Communication missions and payloads;
- Enabling technologies;
- Formation flying and constellations;
- Distributed architectures;
- Launch solutions and opportunities;
- Testing and verification;
- In-orbit experiences;
- Structure, materials, and manufacturing;
- Software and on-board data handling;
- Thermal Control/Electrical Power/Propulsion/TT&C systems;
- Near-space platforms;
- Space robot



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Special Issue



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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.

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