Special Issue

Advanced Spacecraft/Satellite Technologies

Message from the Guest Editors

Space is now considered as the new frontier. The rapid progress of space technologies has led to new applications of satellites for commercial and scientific missions. Missions such as asteroid mining, human space explorations, on-orbit servicing and many others are under development or have been proposed. Consequently, future spacecraft must have the required systems and technologies that would enable future space missions as well as operate in the harsh environment of space reliably and safely. This Special Issue invites researchers to submit their original research papers on advanced spacecraft/satellite technologies that would make future missions possible. The topics include but are not limited to:

- Attitude dynamics and control;
- Relative pose estimation;
- Advanced propulsion;
- Guidance, navigation and orbit control;
- Life support systems for human space exploration;
- Thermal management;
- Radiation protection;
- Energy harvesting;
- Artificial intelligence for satellites;
- Space robotics;
- Satellite communications;
- Space structure and assembly;
- Command and data handling;
- Space situational awareness.

Guest Editors

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Deadline for manuscript submissions

closed (1 September 2024)

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Message from the Editor-in-Chief

You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
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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