Special Issue

Recent Advances in Spacecraft Dynamics and Control

Message from the Guest Editor

This Special Issue mainly focuses on the recent advances in spacecraft dynamics and control, particularly the influence of AI on SDC. It is expected to include relevant innovative concepts, models, algorithms, techniques, discoveries, etc. Although major innovation is rare, improving traditional methods to effectively solve new problems or proposing new techniques to skillfully solve old problems are both welcome. Authors are invited to submit full research and review articles addressing (but not limited to) the following topics:

- Orbit dynamics and control
- Space trajectory optimization
- Orbital pursuit-evasion game
- Attitude dynamics and control
- Space mission design and analysis
- Intelligence planning of space mission
- Intelligent manipulation of non-cooperative targets
- Giant constellation design and control
- On-orbit assembly of large space structures
- Dynamics and control of debris removal
- Dynamics and control of deep-space exploration
- Artificial intelligence applied to the dynamics and control of spacecraft
- New concepts of space technology.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)

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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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