



Recent Advances in Spacecraft Dynamics and Control

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2022)

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.





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Message from the Editor-in-Chief

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