



## Spacecraft Trajectory Optimization

Guest Editor:

**Prof. Dr. Lorenzo Casalino**

Dipartimento di Ingegneria  
Meccanica e Aerospaziale,  
Politecnico di Torino, Corso Duca  
degli Abruzzi, 24, 10129 Torino,  
Italy

Deadline for manuscript  
submissions:

**closed (30 November 2019)**

### Message from the Guest Editor

Trajectory optimization is a fundamental step in the definition of a space mission. In the recent past, we have seen the introduction and diffusion of new technologies, such as electric propulsion and micro-satellites/CubeSats, and missions to many different targets, from Mars and giant planets and their moons, to near-Earth asteroids, to Lagrangian points. The next steps for the colonization of space consider a space/lunar gateway that must be connected with LEO and the Moon surface and could see the departure of interplanetary missions. This continuous evolution creates new challenges that need to be faced by the space trajectory optimization community.

This Special Issue aims to provide an overview of recent advances in space trajectory optimization methods and/or their application to novel mission concepts. Authors are invited to submit full research articles and review manuscripts addressing (but not limited to) the following topics:

- Trajectories in proximity of the Earth (LEO, MEO);
- Trajectories to/in GEO;
- Missions to/from Lagrangian points;
- Interplanetary missions;
- Asteroid missions;
- Debris removal;
- Satellite servicing;
- Formation flying.





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## Editor-in-Chief

### **Prof. Dr. Konstantinos Kontis**

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

## 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.

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*Aerospace* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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