Special Issue

Precise Orbit Determination of the Spacecraft

Message from the Guest Editors

Precise Orbit Determination (POD) is very important for many science and technology research areas, such as planetary science, astrometry and celestial mechanics, space geodesy, Global Navigation Satellite Systems (GNSSs), lunar and deep space exploration, and space situational awareness. POD technology has developed rapidly from the late 20th century, especially after entering the 21st century. This Special Issue entitled "Precise Orbit Determination of the Spacecraft" in Aerospace features articles exploring the latest advancements in POD technology, including Earth satellite and cislunar spacecraft, lunar spacecraft, and deep space spacecraft. The development of technology relating to POD, such as ground-based/space-based tracking technology and highly dynamic modeling of satellites, is also welcome.

Guest Editors

Prof. Dr. Yong Huang

Shanghai Astronomical Observatory, Chinese Academy of Sciences, Shanghai 200030, China

Prof. Dr. Jianguo Yan

State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, China

Deadline for manuscript submissions

31 August 2025

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/216251

Aerospace
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
aerospace@mdpi.com

mdpi.com/journal/aerospace

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/journal/aerospace

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2 (Aerospace Engineering)