Special Issue

Spacecraft Potential Theory and Observations

Message from the Guest Editor

The interaction between space plasma and celestial objects in space needs to be understood within the context of distinct scientific fields. The ongoing development of mathematical theories and space experiments over the last decades has led to the emergence of new scientific methods and scientific questions, i.e. to a better understanding of space weathering effects on natural and artificial celestial bodies in the solar system. This and related research are at the core of emerging scientific fields in physics, having with great value for human mind and future technologies. A key aspect to this kind of research lies in the development of theory and the design of next-generation space experiments that are related to spacecraft potential variations in space, a topic which lies at the heart of this Special Issue. Special focus should also be paid to ongoing space missions within the interplanetary medium and around the planets in our solar system. We invite papers within the fields of mathematical physics and space science.

Guest Editor

Dr. Christoph Lhotka

Department of Mathematics, University of Rome Tor Vergata, Via della Ricerca Scientifica 1, 00133 Roma, Italy

Deadline for manuscript submissions

closed (30 April 2024)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/157343

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)