

## Special Issue

# From Satellite Systems Design, Verification and Testing to Spacecraft Operations

### Message from the Guest Editor

The landscape of spacecraft engineering and satellite operations is rapidly evolving, driven by the increasing sophistication and demands of modern space missions. Today, the design and deployment of spacecraft involve a complex workflow—from initial concept development to in-orbit operations—that requires advanced methodologies and technologies to ensure the success of missions. Our Special Issue seeks to explore the intricacies of this evolving field. We invite scholars and researchers to contribute their insights and innovations across the spacecraft lifecycle. In this Special Issue, we welcome research focusing on the design of spacecrafts, encompassing not only the initial phases of satellite system design, but also extending to the verification and testing phases. We are particularly interested in submissions that explore innovative approaches to subsystems and on-board software design, and advanced methodologies for verifying and testing both hardware and software components. We encourage the submission of contributions that discuss digital twin facilities, processor-in-the-loop and hardware-in-the-loop test benches, software solutions that aim to automate and

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### Guest Editor

Dr. Andrea Colagrossi

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### Deadline for manuscript submissions

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## Aerospace

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## 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.

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### Editor-in-Chief

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