



## Mission Analysis and Design of Lighter-than-Air Flying Vehicles (2nd Edition)

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### Message from the Guest Editors

Following the great interest shown by contributors and readers for the topics of our previous Special Issue in MDPI's *Aerospace* journal, we are pleased to announce a second edition devoted to novel studies related to lighter-than-air (LTA) flying vehicles. This Special Issue aims to collect articles that present the outcomes of current research in the field of LTA vehicles, with two particular focal points:

-The first is on mission study, including novel possible missions for LTA vehicles, the negotiation of specifications, comparisons to other flying machines (also in terms of ground equipment), etc. This shall trace a map of the most likely missions that could potentially be covered by LTA vehicles, accounting for current technology.

-The second focus is on preliminary design: in principle, electrification enables some advantages, such as an increase in endurance and the achievement of novel control configurations based on thrust vectoring, but an increase in weight may result from the adoption of batteries or other electric components, thus requiring trade-off analysis to select the most promising design solutions.





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## 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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