

## Special Issue

# Artificial Intelligence in Aeroacoustics for Aerospace Applications

### Message from the Guest Editors

The recent progress in data-driven science and engineering is making an impact in the multidisciplinary field of aerospace. Artificial intelligence and machine learning have been introduced in the aerospace field for applications connected to reducing environmental impacts, including testing and evaluation, data analysis and interpretation, and aircraft modelling. These techniques are also employed to generate databases at a reduced cost, which are needed for the solution of optimization problems. With particular regard to aeroacoustics, artificial intelligence can help to address the issues of noise prediction, buffeting and fluid–structure interaction, aeroacoustic optimization, and noise localization. This Special Issue welcomes papers on analytical, computational, or experimental studies contributing to the state of the art on the use of artificial intelligence in aeroacoustics, including topics such as:

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### Guest Editors

Dr. Alessandro Di Marco

Dr. Elisa De Paola

Dr. Luana Georgiana Stoica

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### Deadline for manuscript submissions

20 April 2025



## 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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