

# Special Issue

## Advanced Model Optimization and Data Fusion Methods in Aircraft

### Message from the Guest Editors

The present Special Issue, titled “Advanced Model Optimization and Data Fusion Methods in Aircraft”, focuses on topics related to the application of machine learning, deep learning, data fusion methods, and other emerging data-driven techniques to support and improve the development of aircraft applications. Authors are invited to submit full research articles or review manuscripts addressing (but not limited to) the following topics:

- Application of advanced model in aircraft shape optimization;
- Application of advanced model in flow mechanism analysis;
- Big data, machine learning, and data mining in aircraft applications;
- Application of data-driven model in numerical simulation and performance prediction;
- Digital twin method in aircraft applications;
- Intelligent flow control;
- Application of data fusion methods in aerodynamic analysis;
- Application of advanced model in prognostic and health management.

The focal topics listed above are not meant to exclude articles from additional related areas. We are looking forward to receiving your submissions and invite you to contact the should you have further questions.

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### Guest Editors

Prof. Dr. Gang Sun

Department of Aeronautics and Astronautics, Fudan University,  
Shanghai 200433, China

Dr. Liyue Wang

School of Mechanics and Engineering Science, Shanghai University,  
Shanghai 200072, China

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### Deadline for manuscript submissions

31 August 2025



## Mathematics

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,  
The Gateway, Leicester LE1 9BH, UK

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