

# Special Issue

## High Speed Flows: Measurements & Simulations

### Message from the Guest Editors

This Special Issue is inspired by broad interest in experimental and numerical simulation research activities to enable high-speed flights (supersonic and hypersonic range) by ground testing and translating the outcomes to the flight testing among the aerospace community. Manuscripts describing experimental, computational, and/or theoretical research related to supersonic/hypersonic flows along with high-speed propulsion with a focus on future steps to enable high-speed flight are welcomed. Topics may include but are not limited to:

- Compressible aerodynamics, aerodynamic design;
- Shock waves and shock wave–boundary layer interactions;
- Numerical simulations of subsonic/supersonic turbulent reacting flows, turbulence modelling;
- High-speed active/passive flow controls;
- Ramjet/scramjet design, flame stability, combustion efficiency;
- Ground test facilities, flight experiments;
- Advanced measurements and non-intrusive diagnostics;
- Green propellants;
- Advanced propulsion to enable high-speed flights and space access.

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### Guest Editors

Dr. Ashish Vashishtha

Dr. Yasumasa Watanabe

Prof. Dr. Antonella Ingenito

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### Deadline for manuscript submissions

closed (29 December 2023)



## Aerospace

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

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## About the Journal

### Message from the Editor-in-Chief

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*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

Prof. Dr. Konstantinos Kontis  
School of Engineering, University of Glasgow, James Watt Building  
South, University Avenue, Glasgow G12 8QQ, Scotland, UK

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