



## Advanced Flow Diagnostic Tools

Guest Editor:

**Dr. Lin Chen**

1. Institute of Engineering  
Thermophysics, Chinese  
Academy of Sciences, Beijing  
100190, China

2. University of Chinese Academy  
of Sciences, Beijing 100049,  
China

Deadline for manuscript  
submissions:

**closed (15 March 2024)**

### Message from the Guest Editor

This Special Issue will be a collection of contributions that reflect the latest efforts in the development and application of advanced and/or novel flow diagnostic tools with potential applications (or directly linked) to wind tunnel and flight tests, combustion flow, multiphase flow, heat transfer flow, etc. Suitable topics include but are not limited to:

- Laser-based optical measurement techniques;
- Flow visualization techniques;
- Non-intrusive measurement of pressure, skin friction, heat transfer, and deformation at the surface;
- Advanced measurement methods of aerodynamic forces and moments (magnetic suspension balance and cryogenic balance);
- Flow diagnostic tools under extreme conditions (ultra-high-speed, low/high temperature; space condition, etc.);
- Advanced data processing methods for flow diagnostic tools.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Konstantinos Kontis**

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Aerospace*) / CiteScore - Q2 (*Aerospace Engineering*)

## Contact Us

---

*Aerospace* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/aerospace](http://mdpi.com/journal/aerospace)  
[aerospace@mdpi.com](mailto:aerospace@mdpi.com)  
[X@Aerospace\\_MDPI](#)