

## Special Issue

# Selected Papers from IWSHM 2017

### Message from the Guest Editors

The International Workshop on Structural Health Monitoring (IWSHM) is a biennial workshop aiming to assess the current state-of-the-art technologies in the field of SHM, and to discuss and identify key and emerging breakthroughs and challenges in research and development that are critical and unique in SHM. This Special Issue is cooperating with the 11th IWSHM to be held in Stanford, CA, USA, 12–14 September 2017. Authors of outstanding papers related to aerospace SHM presented at the Workshop are invited to submit extended versions of their work to the Special Issue for publication. Manuscripts are sought that report new research in the field of aerospace on:

- Selection process of monitored structure
- Specification and validation of monitoring concept
- Selection process of suitable sensing system
- Integration of SHM into a Usage/PHM monitoring and management system
- Handling and management of data/SHM information for maintenance and operational decision support
- Certification approach

### Guest Editors

Prof. Dr. Fu-Kuo Chang

Structures and Composites Laboratory, Department of Aeronautics and Astronautics, Stanford University, Stanford, CA 94305, USA

Dr. Fotis Kopsaftopoulos

Assistant Professor of Aerospace Engineering, Intelligent Structural Systems Lab (ISSL), Department of Mechanical, Aerospace and Nuclear Engineering, Rensselaer Polytechnic Institute, Troy, NY 12180, USA

### Deadline for manuscript submissions

closed (28 February 2018)



## Aerospace

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.0



[mdpi.com/si/10573](https://mdpi.com/si/10573)

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

[mdpi.com/journal/  
aerospace](https://mdpi.com/journal/aerospace)





# Aerospace

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.0



[mdpi.com/journal/  
aerospace](https://mdpi.com/journal/aerospace)



## 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.

---

### Editor-in-Chief

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

---

### 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, Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2  
(Aerospace Engineering)