

## Special Issue

# Optical and Fiber Optical Sensors for Aerospace Applications

### Message from the Guest Editor

The aim of this Special Issue is to provide an overview of recent advances in optical and fiber optical sensors for aerospace applications, and authors are invited to submit full research articles and review manuscripts addressing (but not limited to) the following topics: Fiber optic sensors for aerospace

- Structural health monitoring
- Distributed sensors
- Fiber Bragg gratings
- Long period gratings
- Spatial fibers
- Photonic crystal fibers
- Whispering gallery mode sensors
- Non liner sensors (Brillion, Raman)
- Chemical and gas sensors
- Ice accretion and ice crystals detection
- Magnetic and electromagnetic sensors

Evanescent optic seniors for aerospace

- Fiber optics
- Fiber tapers
- Planer waveguides
- In chip optical detection
- Plasmonic sensors

Interferometer-based sensors for aerospace

- Syniac interferometer
- Michelson interferometer
- Mach Zehnder interferometer
- Optical ring resonator

Remote sensing

- Lidar
- Passive optical sensors

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### Guest Editor

Dr. Aris Ikiades

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### Deadline for manuscript submissions

closed (31 December 2020)



## 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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