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Optical and Fiber Optical Sensors for Aerospace Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2020)

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

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Remote sensing

- Lidar
- Passive optical sensors

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Editor-in-Chief

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Message from the Editor-in-Chief

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