

Special Issue

Optical Fiber Sensors and Sensing Networks for Structural Health Monitoring

Message from the Guest Editors

Structural health monitoring (SHM) is a powerful tool for assessing the behavior and ensuring the performance of existing and future structures. Optical fiber sensors are emerging as a key technology in this field, offering superior performance in various applications and distinct advantages over conventional sensors as they continue to mature. This Special Issue aims to advance the development of optical fiber sensors, enhance the maturity of the sensing systems, and strengthen SHM capabilities through high-performance sensing for the prediction and detection of structural anomalies.

- structural health monitoring
- optical fiber sensors
- sensing networks
- distributed sensors
- embedded optical fiber sensors
- damage detection
- structural integrity
- smart sensing

Guest Editors

Dr. Luís Pereira

I3N and Physics Department, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Paulo Fernando da Costa Antunes

1. i3n, Department of Physics, University of Aveiro, 3810-193 Aveiro, Portugal

2. Instituto de Telecomunicações, 3810-193 Aveiro, Portugal

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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