

Special Issue

Optical Fiber Physical and Mechanical Sensors

Message from the Guest Editors

Optical fiber sensors (OFSs) have been widely and successfully used in an expansive range of sensing applications, such as structural health monitoring, downhole monitoring, chemical and biological sensing, environmental monitoring, etc., for the past four decades. We are pleased to invite you to contribute to this Special Issue, “Optical Fiber Physical and Mechanical Sensors”, which is dedicated to covering a unique aspect of optical fiber sensing techniques and systems developed for measuring physical and mechanical quantities. The contributions can address a broad range of physical and mechanical sensors based on fiber optic principles, including, but not limited to, any of the following topics:

- Physical and mechanical sensors.
- Pointwise interferometric sensors.
- Fiber Bragg grating and long-period grating sensors.
- Multiplexed and distributed sensing techniques and systems.
- Environmental, defense, and industrial applications of optical fiber sensors.
- New structures, effects, and materials for optical fiber sensing.
- New signal processing techniques for optical fiber sensors.

Guest Editors

Dr. Chen Zhu

Zhejiang Lab, Hangzhou 311121, China

Dr. Xu Zhilin

School of Physics, Huazhong University of Science and Technology, Wuhan, China

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

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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