

# Special Issue

## Advances of Optical Fiber Sensors

### Message from the Guest Editor

Optical fiber sensors usually employ fibers as transmission and sensing medium, a large number of sensors can therefore be easily multiplexed due to the large bandwidth of the optical fiber, so that a fiber sensing system is able to collect and transmit an enormous amount of data in a short time. We are pleased to invite you to contribute to our Special Issue "Advances of Optical Fiber Sensors". Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Physical and mechanical sensors;
- Chemical, environmental, biological sensors;
- Pointwise interferometric sensors, like fiber Bragg grating and interferometers;
- Distributed and multiplexed sensing techniques and networks;
- Micro- and nano-structured fiber sensors;
- Sensors-based on polymer optical fiber;
- New structures and materials for optical fiber sensing;
- New signal processing techniques for optical fiber sensors;
- Industrial applications and field tests.

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### Guest Editor

Dr. Xin Lu

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### Deadline for manuscript submissions

closed (15 May 2023)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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#### Author Benefits

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indexed within Scopus, SCIE (Web of Science), Inspec,  
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days (median values for papers published in this journal in  
the first half of 2024).