

Special Issue

Recent Advances in Optical Fiber Sensing and Applications

Message from the Guest Editors

Over the past few decades, optical fiber sensors (OFSs) have evolved into indispensable tools across a myriad of industries. In recognition of the continuous advancements in optical fiber sensing methodologies, we cordially extend an invitation for your contribution to our upcoming Special Issue entitled "*Recent Advances in Optical Fiber Sensing and Applications*". We welcome original research and review articles concerning recent developments and applications of fiber optic sensors, including, but not limited to, the following:

- Optical fiber interferometers;
- Optical fiber spectroscopy;
- Fiber Bragg gratings;
- Distributed fiber optic sensing;
- Fiber optic imaging system;
- Specialty optical fibers sensors;
- Biomedical and healthcare-oriented optical fiber sensors;
- Integration of machine learning in optical fiber sensor technology;
- Advanced materials for optical fiber sensing;
- Novel signal processing methodologies in optical fiber sensing;
- Diverse industrial applications of fiber optic sensing spanning civil structures, aerospace, oil and gas, environmental monitoring, security, military and defense, and steel industry.

Guest Editors

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closed (15 April 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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