

Special Issue

Advances in Optical Fibers for Fiber Sensors

Message from the Guest Editor

Optical fibers continue to emerge with new technologies such as artificial intelligence and have been applied to several domains to measure strain, temperature, pressure, current, voltage, gases, chemical contaminants, rotation, vibration, acceleration, bending, torsion, displacement, and biomolecules. This Special Issue is focused on advances in optical fibers for fiber sensors, and it will include novel research results regarding optical fiber technologies and materials for fiber sensors. The topics of interest include, but are not limited to, the following:

- Advances in optical fibers;
- Fiber sensors;
- Fiber Bragg grating;
- Fiber laser sensing;
- Optical fibers for smart cities;
- Plastic fiber sensors;
- Distributed fiber sensing;
- Plasmonic optical fiber sensors;
- Optical frequency comb sensing;
- Dual-frequency comb sensing.

Guest Editor

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closed (15 February 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 guest-edited by leading experts in selected topics of interest.

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