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Fiber-Optic Transmission and Networking

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Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editor

The invention of the optical fiber has revolutionized different areas, such as optical communications and sensing. At the same time, it has led to many innovations in different devices, such as light sources (e.g., LEDs and lasers), photodetectors, optical waveguides, couplers, polarizers, and modulators. In recent years, all these inventions have gone beyond optical communications and are now applied to computers, interconnects, autonomous vehicles, and artificial intelligence. Although the devices can be applied to optical fiber communications, it would be better for them to find specific applications in sensors such as LIDARs, vision systems, autonomous vehicles, and chemical and biological sensing.

This Special Issue invites papers that cover (but are not limited to):

- Optical fibers
- Light sources (lasers and LEDs)
- Photodetectors
- Optical devices in general
- Optical networks and interconnects
- Vision and imaging systems



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Special Issue



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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.

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