

Special Issue

Advances in Optical Fibers Sensing and Communication

Message from the Guest Editor

Optical sensing processes and their communication methods have recently spread to many application areas by providing more efficient telemetering abilities. In new sensing systems, more efficient, more reliable, and less expensive devices are applied along with up-to-date telecommunication networks, enabling high-speed, high-capacity data transmission with improved reliability. As the demand for faster and more efficient communication networks continues to grow, driven by emerging optical sensing technologies, the field is witnessing rapid advancements in materials, devices, and system architectures. The integration of optical sensing and optical communication systems provides improved economical, fast, and precise telesensing, telemetering, and telecontrolling procedures. This Special Issue aims to publish cutting-edge research and innovative developments in the dynamic field of optical sensors and their optical communication methods.

Guest Editor

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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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