

Special Issue

Advances in Applications of Optical Fiber Sensors

Message from the Guest Editors

Fiber optic sensors have found commercial success in a wide array of applications, to include reservoir monitoring and exploration in oil and gas, structural health monitoring of critical infrastructures, and health and condition monitoring of telecommunication cables. Historically, optical fiber sensors have been an area of intense interest, in part because of their small size, immunity to electromagnetic interference, and high precision. The maturation of fiber optic sensing technologies has presented opportunities in applied research to enhance performance and expand capabilities through innovations in sensor materials, design, packaging, and interrogation schemes. The goal of this Special Issue is to compile and highlight the most recent developments in fiber sensors based on specialized optical fibers and their applications. We encourage the submission of original research papers or review articles that discuss the design and experimental performance of fiber sensors, as well as the design, development, and applications of novel specialty optical fibers.

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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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