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Optical Fiber Sensors: Challenges, Opportunities and Future Trends

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Message from the Guest Editors

Due to their high sensitivity, resistance to electromagnetic interference, corrosion resistance and ease of deployment, optical fiber sensors have been widely applied in many fields, such as civil engineering monitoring, oil and gas pipeline monitoring, power cable monitoring and fire alarms. With the increasing demand for wide dynamic ranges, fast measurement and real-time monitoring, optical fiber sensing technology faces a series of challenges and opportunities. This Special Issue addresses all types of fiber optic sensors and systems, from their fundamental science background to their application. We are inviting the submission of original papers and review papers detailing the latest advances in optical fiber sensing technology, including optic fiber gyro, novel fiber optic mechanisms, fiber sensing optic sensor system technologies, fiber optic sensor applications, etc.













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Message from the Editor-in-Chief

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