Special Issue

The Fiber-Optic Sensing for Extreme Physics and Its Measurement Applications for Engineering and Science

Message from the Guest Editor

Fiber-optic systems are the backbone of communication systems, carrying most of the world's data traffic. Fiber optics has also played a key role in sensing applications such as physical, chemical, biological, and environmental sensors. Fiber optical sensing technology is expected to grow significantly due to the rapid progress in information technology, mechanic dynamics, ocean engineering, bio-medicine, aerospace, and physics, chemicals, and material science. The Special Issue will highlight recent advances in fiber optic precise sensing technology and distributed measurement methods in both of engineering and science. Topics include, but not are limited to the following:

- Fiber-optics vector sensing system and networks
- Fiber-optics advanced sensing technologies for chemical, bio-medicine, and materials measurement
- intelligent desert/water/land (environmental measurement)
- deep sea/deep space sensing
- structure health monitoring for high speed trail or super high power
- flexible robotics/mechanical arms

Notice: These articles will be published on this special issue and **printed in book format**.

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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