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

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Message from the Guest Editor

Dear Colleagues,

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 rail or super high power
- flexible robotics/mechanical arms

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



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Special Issue



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Message from the Editor-in-Chief

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