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Frontiers in Fiber Optic Sensing

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

In the last few decades, there has been growing interest in fiber-optic approaches to solve sensing problems, as this technology offers applied solutions to a wide range of sensing challenges. With recent advances in optical fiber technology, ultrafast lasers, sensor design/simulation tools, and optical interrogation systems, fiber optic sensing technology is expected to dominate the sensing industry even further. To this end, the exploitation of optical fibers for sensing solutions is expected to continue in the years to come.

We welcome both original and review articles covering a broad spectrum of fiber optic sensing technologies and applications. Areas of interest include, but are not limited to, the following:

- Novel fiber optic sensor design and/or fabrication
- New developments in optical fibers for sensing applications
- Fiber-optic chemical and biosensing
- Grating or interferometric fiber-optic sensing
- Optical fiber-based plasmonic sensors
- Label-based and label-free optical sensing
- Emergent sensing applications in environmental monitoring

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Message from the Editor-in-Chief

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