



Advances in Distributed Optical Fiber Sensing Systems

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Deadline for manuscript
submissions:

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Message from the Guest Editor

Distributed optical fiber sensing (DOFS) has been extensively studied and widely used in natural disaster prediction and urban infrastructure security guarding, including intrusion detection, structure health monitoring, etc., with superior advantages such as fully distributed sensing in long range, low operation cost and long service lifetime. Significant advances in the research and development of DOFS have recently been made. Therefore, for this Special Issue we invite all papers and contributions on all topics related to DOFS, such as new designs of sensing fibers or cables, instrumentation, high-fidelity demodulation technologies and advanced signal processing methods related to different types of distributed sensors. We also welcome papers presenting important application advances and challenges of DOFS at present and in the future. Topics of interest are included but not limited to:

- distributed optical fiber sensor
- novel fiber cable
- smart sensing
- demodulation
- detection
- identification
- distributed signal processing
- safety monitoring
- environment monitoring
- structural health monitoring
- smart city
- field applications





sensors



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Message from the Editor-in-Chief

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