



Journal of Sensors

Special Issue on
Optical Fiber Sensing

CALL FOR PAPERS

The purpose of this special issue is to present original papers that reveals current progress of the latest research, development, and applications in optical fiber sensing technologies and related devices. Original papers on both experimental and theoretical works are welcome to this special issue.

This special issue is intended to discuss recent developments related to sensing using light with a special focus on optical fiber sensing devices, systems, theories and techniques for research and applications in industry, life sciences, medicine, oil and gas, civil engineering, materials, and defence industries, among others.

Potential topics include, but are not limited to:

- ▶ Optical fiber based chemical/gas/biological/biomedical sensing technology
- ▶ Optical fiber sensing enabled precision instrument
- ▶ Wearable optical fiber sensors
- ▶ Distributed fiber sensing technology and applications
- ▶ Interferometric and polarimetric sensors including gyroscope
- ▶ Interrogation technology for Fiber Bragg Grating (FBG) sensors
- ▶ FBG sensors for harsh environments and structural health monitoring
- ▶ Fiber laser sensors
- ▶ Micro- and nanostructured fiber sensors
- ▶ Field tests and standardization

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haoemily@i2r.a-star.edu.sg

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tangming@mail.hust.edu.cn

Lun-Kai Cheng, TNO, Delft, Netherlands
lun.cheng@tno.nl

Lei Su, University of Liverpool, Merseyside, UK
lsu@liverpool.ac.uk

Xingwei Wang, University of Massachusetts Lowell, Lowell, USA
xingwei_wang@uml.edu

Manuscript Due

Friday, 27 November 2015

First Round of Reviews

Friday, 19 February 2016

Publication Date

Friday, 15 April 2016