Special Issue

Fiber-Optic Sensors

Message from the Guest Editors

Fiber Bragg grating (FBG) devices have been utilized in a variety of photonic applications for the last several decades. The purpose of this Special Issue is to explore new findings and discoveries that expand the possibilities of FBG usage in a variety of applications. The evolution of materials and technologies that facilitate the fabrication and broaden the usage of FBGs is the main motivation behind the creation of this Special Issue. Original manuscripts describing unpublished work not currently under review by any other journals are welcome. Papers may describe FBG materials, fabrication methods, device design, modeling, simulation, experiments, and/or optimization, emerging FBG technologies, and applications related to FBGs. The list of topics includes:

- New materials for FBGs;
- Fabrication;
- Modeling of distributed FBGs;
- Emerging FBG technologies;
- FBGs as sensors;
- Application of FBGs in optical fiber communications;
- Methods for the discrimination of temperature and strain effects in FBGs;
- Super-structure FBGs (SSFBGs) and their application in telecommunication.

Guest Editors

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Prof. Dr. Ahmed Musa

Deadline for manuscript submissions

closed (31 March 2022)

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

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