

an Open Access Journal by MDPI

Fiber-Optic Sensors

Guest Editors:

Prof. Dr. Mehdi Shadaram

Department of Electrical and
Computer Engineering, One
UTSA Circle, San Antonio, TX
78249, USA

Dr. Allen Moghadas

General Atomics, 3550 General
Atoms Court, San Diego, CA
92121, USA

Prof. Dr. Ahmed Musa

Department of
Telecommunication Engineering,
Hijawi Faculty for Engineering
Technology, Yarmouk University,
Irbid 21163, Jordan

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

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 Original manuscripts describing unpublished work not currently under review by any other journals are welcome.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.



mdpi.com/si/68250

Special Issue