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Optical Fibers as a Key Element of Distributed Sensor Systems

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

The Special Issue aims to attract both theoretical and practical works that deal with optical fibers as a key element of DFSS. Submissions on but not limited to basic technologies of modelling, design, fabrication, and utilization of optical fibers for different, including extremal, applications of DFSS; the effect of optical fibers' characteristics on the performance of DFSS in general; and problems regarding the interconnections of different fiber types are welcomed for this Special Issue.

This Issue also focuses on the fiber construction of the modern DFSS multiplexing of three main back-scattering mechanisms—Rayleigh, Raman, and Brillouin—in conjunction with fiber Bragg gratings written in SM, MM, FM, and MC fibers. Review articles that describe the current state of the art are also welcome.

Prof. Dr. Oleg G. Morozov

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.

We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

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