



*fibers*

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## Optical Fibers as a Key Element of Distributed Sensor Systems

Guest Editor:

**Prof. Dr. Oleg G. Morozov**  
Kazan National Research  
Technical University n.a. A.N.  
Tupolev-KAI, Russia  
OGMorozov@kai.ru

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submissions:

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### 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**