

## Special Issue

# Distributed Optical Fiber Sensors

### Message from the Guest Editor

Distributed optical fiber sensors are a unique class of optical sensors, in which a position-resolved, quantitative physical measurement can be done along the entire length of an optical fiber cable. These systems can continuously measure thousands (or millions) of sensing points in a single optical fiber, making them especially suitable for the monitoring of large infrastructures. This Special Issue will focus on all aspects of research and development related to these sensors. The scope covers all topics associated with distributed and quasi-distributed optical fiber sensing, addressing subjects, such as Brillouin, Rayleigh and Raman scattering, interrogation schemes in distributed sensing, polarization issues, signal-to-noise ratio enhancement techniques, data post-processing in distributed sensors, sensing cable design and manufacture, specialty fibers for distributed sensing, applications of distributed sensing, etc.

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### Guest Editor

Prof. Dr. Miguel González Herráez  
Department of Electronics, University of Alcalá de Henares, 28805 Madrid, Spain

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### Deadline for manuscript submissions

closed (15 October 2017)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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