Special Issue

Recent Trends in Fiber Optic Sensor: Technology and Applications

Message from the Guest Editors

All manuscripts of fiber optic sensors with novel measurement methods that use intensity, phase, polarization, wavelength changes, and time domain reflectometry are welcome. In addition, we welcome research in areas of civil engineering (structure health monitoring), chemistry, physics, environment, biology, medicine, marine sciences, aeronautics, mechanics, electricity, industry, and so on. The Special Issue will focus on the following fiber optic sensor topics:

- Chromic Materials for intrinsic fiber sensor: thermochromic, gasochromic, electrochromic, ionochormic, photochromic, solvatochromic, vapochromic, mechanochromic, and so on;
- Sensors based on colorimetry, evanescent waves, and infrared spectroscopies;
- Plasmonic-based sensors;
- Interferometers and polarimetric configurations;
- Fiber Bragg gratings;
- Distributed systems based on Rayleigh, Raman, and Brillouin scattering;
- Intensity sensors;
- Structured fiber sensors;
- Fiber laser sensors;
- Vernier effect.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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