Special Issue

Flexible Sensors for Structural Health Monitoring

Message from the Guest Editors

Recent advances in materials and electronics have enabled the fabrication of flexible sensors characterized by a level of mechanical compliance that cannot be attained with traditional sensors. Flexible sensors can be easily deployed over complex geometries, used in the monitoring of large deformations, densely networked to mimic skin-type applications, etc., providing exciting new opportunities, in particular, for structural health monitoring applications, where traditional off-the-shelf sensors find limitations. The objective of this Special Issue is to generate discussions on the latest advances in research on flexible sensor technologies for structural health monitoring applications. Topics of interest include but are not limited to:

- Novel sensing materials;
- Multifunctional flexible applications;
- Field applications and case studies;
- Flexible electronics for flexible sensing;
- Compliant sensing systems;
- Skin-type sensors;
- Monitoring of complex geometries.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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