Special Issue

Advanced Strain and Deformation Sensing Materials and Applications

Message from the Guest Editors

Strain and deformation sensors are among the most used in a large variety of devices and applications, ranging from aerospace application to biomedicine. In this scope, novel materials and processing technologies are being developed, allowing the implementation of those sensors in a large variety of novel devices and applications. Thus, nanoscale control of materials and microfabrication techniques are improving precision and integration, whereas printing technologies and novel polymer-based composites allow implementation of flexible and even stretchable sensing solutions. Further, advances strain and deformation sensing materials are at the basis of a wide variety of novel applications in the areas of structural health monitoring and in the biomedical field, among others, as well as to the development of novel concepts of multifunctional and interactive surfaces. It is our pleasure to invite you to submit original research papers, short communications or state-of-the-art reviews within the scope of this Special Issue. **Keywords**

- smart materials
- electronic skin
- strain sensing
- multifunctional materials
- smart surfaces

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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