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Advanced Strain and Deformation Sensing Materials and Applications

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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 Editorial Board

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