

Special Issue

Smart Materials for Soft Robotics and Sensors

Message from the Guest Editors

Over the past few decades, smart soft materials have revolutionized the field of electronics by enabling the creation of flexible/stretchable, conformable, lightweight, and multifunctional sensors for a wide range of applications in wearable technologies and soft robotics. Empowering soft robots and wearable devices with high resolution, high sensitivity, and rapid response sensing capabilities is crucial for their advancement in numerous real-world applications. In order to fully exploit the potential of smart materials for such applications, they must be compatible with effective, efficient, agile, low-cost, and sustainable techniques for their processing and integration into flexible/stretchable devices. For this reason, the development of new engineered smart materials, combined with advanced manufacturing techniques, has become an urgent topic. This Special Issue is addressed to all kinds of smart soft material-based sensors that are currently being used for wearable technologies and soft robotics. We welcome original research contributions and state-of-the-art reviews that highlight recent advancements and novel applications and promote further research in this area.

Guest Editors

Dr. Silvia Taccola

Manchester Metropolitan University, Ormond Building, Manchester M15 6BX, UK

Dr. James H. Chandler

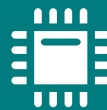
Faculty of Engineering and Physical Sciences, University of Leeds, Leeds LS2 9JT, UK

Dr. Arianna Mazzotta

Soft Transducers Lab, EPFL, 1015 Lausanne, Switzerland

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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