Special Issue

Applications of Smart Sensing Textiles for Assessment and Assistance of Motion

Message from the Guest Editors

Wearable technology is an emerging trend that can be worn on any part of the body to address challenges in our lifestyles, particularly for the monitoring, assessment, and assistance of motion. The breakthrough potential of wearable technology for continuous monitoring and assistance spans various fields, such as healthcare, well-being, professional and amateur sports, occupational health and ergonomics, space, and defense.

The most advanced applications can be found in the area of motion assessment through smart sensing garments integrated with dry electrodes, conductive yarns, stretchable or resistive sensors, and 3D-printed sensing structures. Here, the key challenge is to achieve high-quality and repetitive sensing in flexible textiles.

The purpose of this Special Issue is to publish high-quality research articles and reviews that address the challenges mentioned above. We encourage submissions that describe experimental and theoretical methods to address recent achievements in the development of novel smart textile systems, as well as their potential applications.

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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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