



Applications of Smart Sensing Textiles for Assessment and Assistance of Motion

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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

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