Special Issue

Wearable Sensors for Postural Stability and Fall Risk Analyses

Message from the Guest Editors

Recent advances in wearable sensors have demonstrated the ability to collect objective measures of postural stability outside of the laboratory. Wearable sensors are small and low-cost, and require less time than force plate or kinematic analysis systems. Previous studies have shown the validity of wearable sensors to quantify postural stability during dynamic and static postural control tasks, as well as fall risk analysis. In addition to characterizing postural stability, wearable sensors are used for the assessment of training and effective training methods with technology-based approaches, especially in the rehabilitation area. Better understanding and novel treatments around postural instability and falls in older adults, as well as individuals with neurological disorders, continue to grow to rehabilitation efficacy. This Special Issue welcomes research not only addressing older adults and neurological disorders but also healthy subjects and sports athletes. In this Special Issue, we welcome the submission of original research, review, case report, and short articles, among others. For more information, please visit: mdpi.com/si/51K50

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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.

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