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Recent Trends of Wearable Sensors for Biomechanics Analysis and Physiological State Function Assessment

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Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editors

In recent years, the use of smart devices in research and clinical applications has dramatically increased. In particular, wearable sensors are an object of growing attention in the scientific community since they allow for long-term recording of a wide range of biological signals; Besides, they have a high degree of user acceptance. Moreover, wearable devices favour the development of measurement protocols and procedures focused on daily living activities, with current efforts being diverted towards the remote monitoring of physical activities, the detection of potentially dangerous domestic events. On the other hand, wearable devices can have many different sensors and measurement technologies. However, the spread of this technology and the increasing number of potentially available raw data require novel processing and mining techniques for extracting reliable information necessary for the different fields where wearable sensors and smart devices find their applications. This Special Issue aims to collect articles dealing with novel applications of wearable sensors and advances in signals acquisition and processing for fields related to human movement and physical monitoring.



mdpi.com/si/113003

Special Issue



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Message from the Editor-in-Chief

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