Special Issue

Wearable Sensors and Algorithms for Health Monitoring and Deterioration Detection

Message from the Guest Editors

Novel wearable sensors based on electrical, inertial, optical, inductive, or ultra-sound technology, to name a few, are offering access to unprecedented data, thanks to their non-invasive and unobtrusive design. This new stream of data, however, needs to be carefully processed so as to extract high-level clinical information for communication and interpretation by other systems or for supporting clinical decisions made by the end user. Machine learning and deep learning technologies represent a key resource to generate algorithms that are able to process patient data and provide insight into the right form and type of data for clinical interpretation. In this Special Issue, we invite contributions addressing the development and validation of wearable sensors and algorithms to measure activity, as well as cardiac, hemodynamic, and respiratory health, in humans. Our goal is to gather scientific contributions in the area of novel measurements of health and innovative computational methods for deterioration detection.

Guest Editors

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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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