Special Issue

Wearable Physiological Sensors for Smart Healthcare

Message from the Guest Editor

Wearable physiological sensors are gaining increasing attention for their potential to continuously monitor endogenous biosignals—such as electrocardiograms (ECG), heart rate, body temperature, sweat composition, and blood pressure—in real time and in daily life settings. These technologies are essential components of smart healthcare systems, enabling early detection, personalized intervention, and long-term health management in both clinical and non-clinical environments. This Special Issue aims to gather original research and review articles on recent advances in wearable sensors dedicated to monitoring physiological signals, with a particular focus on non-invasive, real-time, and robust sensing technologies. We especially encourage contributions addressing sensor design, signal processing, integration with IoT or mobile platforms, and clinical validation.

Guest Editor

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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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