Special Issue

Wearable Sensors and Wireless Devices for Human-Centric Monitoring Systems

Message from the Guest Editors

Coupled with wireless communication modules, wearable sensors enable real-time and continuous monitoring of physiological parameters, biomechanical activity, and environmental exposures. This convergence of wearable sensing and wireless data transmission supports a wide range of applications, including personal health monitoring, sports and fitness tracking, rehabilitation, workplace safety, and assistive technologies. Topics of interest include but are not limited to the following:

- Novel wearable sensor designs and fabrication processes;
- Physiological and biochemical sensing for human monitoring;
- Flexible, stretchable, and skin-conformable sensor materials;
- Wireless systems for real-time sensor data acquisition;
- Sensor fusion and intelligent interpretation of multimodal signals;
- Signal conditioning, preprocessing, and embedded analytics;
- Battery-less and energy-harvesting sensor systems;
- Wearable sensors for stress, fatigue, and emotional state monitoring;
- Sensor-based motion tracking, activity classification, and fall detection;
- Applications in healthcare, occupational safety, rehabilitation, and lifestyle monitoring.

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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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