Special Issue

Current Research and Future Development for Wearable Measurement Sensors

Message from the Guest Editors

The application fields of wearable sensors and technologies is very broad, touching fitness and wellness and rehabilitation (where wearable devices can be used to monitor user performance in time, and if necessary, intervene to correct harmful behavior, e.g., sedentary lifestyle), sport science (used to improve the performance of the athletes), remote healthcare, long term monitoring, etc. Advances in wearable sensors technologies are linked to the development of new multi-sensing wearable textiles, allowing the best compromise between the measurement performance and the usability (flexibility, stretchability, washability, reusability, etc.), to increase the number of physiological quantities to be measured using wearable devices, to improve the quality and reliability of the measurement, to adopt new data processing and data fusion techniques, etc. In this Special Issue, we invite original research papers and review articles aimed at promoting advances in measurements made using wearable sensors and technologies across multiple application fields.

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Deadline for manuscript submissions

closed (30 September 2025)



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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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