

Special Issue

Challenges and Future Trends of Sensing Technology—Applications in Sustainable E-health

Message from the Guest Editors

The ambulatory monitoring of the environmental state and physiological parameters of humans for wellbeing and medical applications needs new sensors with reliable precision, miniaturization, and low power/resource consumption for sustainable applications in terms of ecological context. This actual challenge lies not only in sensor technology but also in signal processing algorithms considering noise presence, uncertainty, and sparse modalities/channels. Other challenges are linked to developing low-consumption and robust AI approaches potentially trained on reduced biomedical databases. In this Special Issue, researchers are invited to submit contributions describing a new approach for sensing in E-Health applications including the innovative technology of sensors and hardware architecture, multimodal and multichannel signal processing algorithms, and robust and optimized AI. All proposed contributions should also be precise in the proposed sustainable measures considering their application.

Guest Editors

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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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