Special Issue

Emerging Sensing Technologies for Health Care

Message from the Guest Editor

This Special Issue will focus on emerging sensing technologies for health care as well as new applications for existing sensors, and the analysis of the sensor signal response. Radio frequency sensing technologies, magnetic induction phase shift technology, RF resonators, wearable antenna design, PPG, and bioelectromagnetic research provide non-ionizing, non-invasive diagnostics with unique advantages. They are able to detect biofluid shifts related to physiological parameters in the cranial cavity, in the heart, and other locations of the body, which are not detectable by traditional wearables and can only be detected with large specialized equipment found in the hospital setting. Additionally, new methods for analyzing information-rich signals and waveforms of wearable sensors using artificial intelligence and machine learning provide strong potential to elevate the biomedical arena. Potential topics include but are not limited to:

- RF resonators
- wearable sensors
- point of care
- intracranial pressure
- open circuit resonator
- non-ionizing imaging
- biomedical telemetry
- body sensor networks

Guest Editor

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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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