



Integrated Circuit Sensors for Healthcare Sensing and Monitoring

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Message from the Guest Editors

The new generation of smart healthcare relies on artificial intelligence, cloud computing and big data in order to provide early diagnosis of patient health, therefore enabling a more efficient medical care system. As a result, there is a growing interest and demand in integrated circuit sensors for healthcare sensing and monitoring applications.

This Special Issue encourages authors from academia and industry to submit new research results about technological innovations and novel applications in the field of healthcare sensing and monitoring. Low-power, energy-efficient circuit and system design techniques for sensing physiological and physical parameters will be the focus of this Special Issue. Hence, contributions may include but are not limited to device-, circuit- and system-level techniques.

- Temperature and pressure sensors for biomedical application;
- PPG;
- Biopotential sensors (e.g., ECG, EEG, EMG);
- Biomolecular sensors (magnetic, photonic, impedance);
- Detection of bacteria and other contaminants;
- Bioparameter measurement;
- Microelectrode arrays;
- Gas sensing for air quality monitoring;
- Lab-on-a-chip.





sensors



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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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