

Special Issue

Integrated Circuits and Technologies for Real-Time Sensing

Message from the Guest Editors

At present, there is a growing demand for integrated circuits and technologies for real-time on-chip sensing in many application fields, ranging from automotive to medicine, from consumer to industrial, and from telecom to energy. Because initial integration attempts through system-on-package suffer from long wires and high RC delay, the current trend consists of integrating sensors (e.g., MEMS) through monolithic 3D integration and/or hetero integration with CMOS circuitry. Thus, the processing of sensor signals can be performed quickly and energy-efficiently, opening door to on-chip sensor nodes and enabling new concepts such as the Internet of Everything (IoE). The aim of this Special Issue is to gather original contributions or review papers from researchers who are actively engaged in developing new solutions in any area of integrated sensors technologically compatible with CMOS processes. For more information on the Special Issue, please visit the website at: <https://www.mdpi.com/si/59594>. Please contact the or the Assistant Editor at (ava.jiang@mdpi.com) for any queries.

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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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