Integrated Circuits for Sensor Systems

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Message from the Guest Editors

Being integrated into the Internet, sensors realize a broad network that connects all objects and all people to enable efficient recognition and communication. Typical applications include thermo and humidity sensors, acousto-optic sensors, RFID sensors, GPS, millimeter-wave radar sensors and so on. The fast development of integrated circuits has pushed sensors to evolve towards smaller form factors, lower power consumption and lower cost, which further facilitates mass employment of sensors in the internet of things (IoT).

The objective of this Special Issue is to collect state-of-the-art research contributions and tutorial papers that address key design challenges of integrated circuits used in sensors for the Internet of Things, such as lower power, higher energy efficiency, lower cost and higher integration. Original papers describing complete and unpublished work that are not currently under review by any other journal, magazine or conference are solicited.

Keywords

Internet of Things; integrated circuits; RFID; mm-wave radar sensor; temperature sensor; energy harvesting; healthcare; high energy efficiency; wake-up receiver; smart sensors

Special Issue

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Message from the Editor-in-Chief

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