Special Issue

RFID and Zero-Power Backscatter Sensors

Message from the Guest Editors

Green sensors based on radio frequency identification (RFID), where the communication between the reader and the tag is based on backscattering communications, is an example of IoT technology. Recently, there has been increasing market interest in battery-less sensors based on near-field communication (NFC), which incorporates energy harvesting systems, and ultra high frequency (UHF) RFID. In addition to RFID technology, backscatter radio is a promising communication scheme for novel long-range communications based on zero-power backscatters that allow for communication by ambient backscattering radio-frequency signals. This Special Issue is focused on sensors based on RFID and backscattering communication systems. For detailed information, please visit here.

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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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