

Special Issue

Near-Field Communication (NFC) and Radio Frequency Identification (RFID) Sensors

Message from the Guest Editors

Near-field communication (NFC) is an emerging wireless short-range communication technology that is mainly used for RFID. In this SI, we invite researchers to submit original research and review articles on NFC-enabled sensors and other near-field RFID sensors. Special emphasis will be placed on emerging applications for the IoT, wearables, and biomedical and smart tags. Potential topics include but are not limited to the following:

- NFC energy harvesting;
- Inductive wireless power transfer;
- Implantable NFC sensors;
- NFC antenna design and smartphone integration;
- Applications based on NFC energy harvesting systems, including wearables, health, interaction, transport, and smart homes;
- Smart chemical NFC-based sensors;
- Security in NFC sensors;
- NFC applications to Industry 4.0;
- NFC sensors for IoT and collaborative systems;
- Passive NFC sensors including chipless sensors;
- Biocompatible materials and inkjet-printed technologies for NFC sensors;
- Chipless RFID sensors;
- UHF RFID sensors working in the near-field region;
- Wearable and implantable UHF RFID sensors;
- RFID sensors.

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Deadline for manuscript submissions

closed (31 July 2022)



Sensors

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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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.

Editor-in-Chief

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