



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

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submissions:

closed (31 July 2022)

Message from the Guest Editors

Dear Colleagues,

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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