

Special Issue

Chipless RFID Sensors and Their Applications

Message from the Guest Editors

For the last few decades, chipless RFID technology has been passing challenging developmental phases similar to those the optical barcodes and chipped RFID faced during last 1970s. Researchers have overcome many technical challenges and advanced towards robust chipless RFID tags and sensors. At the same time, developments of new readers and signal processing algorithms, security and error correction coding techniques provide new momentum in the field of research. Topics of interests include, but are not limited to, the following disciplines:

- Chipless RFID tag development;
- Printing techniques of chipless RFID tag;
- Smart material processing for the chipless RFID sensors;
- Graphene based chipless RFID sensors;
- Encoding techniques of chipless RFID tags and readers;
- Various reader architectures: frequency and time domains;
- Reconfigurable chipless RFID tags and encoding methods;
- Anti-collision, security, error-correction, localisation techniques; and
- Chipless RFID sensors and sensor networks for the above applications.

Guest Editors

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Deadline for manuscript submissions

closed (30 March 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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