



Antenna Design and Sensors for Internet of Things

Guest Editors:

Prof. Dr. Halim Boutayeb

Department of Computer Science
and Engineering, University of
Quebec in Outaouais, Gatineau,
QC J8X 3X7, Canada

Dr. Divitha Seetharamdo

Laboratoire Électronique Ondes
et Signaux pour les Transports
(LEOST), University Gustave Eiffel,
59650 Villeneuve d'Ascq, France

Deadline for manuscript
submissions:
closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

The emerging Internet of Things (IoT) paradigm is going to play an important role in modern and future communication systems. Connecting all physical things in IoT will be done by wireless communication networks. The main challenges of communication systems for IoT include the need for reliable connectivity, the great number of frequency bands to support it, energy efficiency and cost. Thus, the antenna system will be a critical part of the smart devices. To make them intelligent, sensors will be added to IoT devices.

The main focus of this Special Issue is on the research challenges relating to the design and integration of antennas and sensors for Internet of Things. Potential topics include but are not limited to the following:

- Antennas for IoT; Smart sensors; RFID;
- Miniaturized antennas; Millimeter wave antennas; Massive MIMO;
- Reconfigurable and smart antennas;
- Wearables antennas and devices;
- Antenna integration in complex media;
- Characteristic modes theory for antenna design;
- Base station; Handset antenna systems;
- Terminal antennas;
- Machine to machine communications;
- Driverless, connected vehicles;
- Autonomous sensors





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)