

Special Issue

Satellite Networks for Massive IoT Communication

Message from the Guest Editors

In recent years we witnessed a blossoming in research about random access techniques for satellite communications. Interestingly, some of the new ideas developed found practical applications in satellite networks and have been triggering attention in the terrestrial wireless community for massive access. This special issue of *Sensors* is aiming at collecting state-of-the-art research paper related to random access techniques and technologies for satellite communications.

- Capacity analysis and fundamental performance tradeoffs
- Efficient random access techniques for satellite networks
- Network architecture and protocol design for massive access via satellite solutions
- Technologies for satellite Internet of Things networks
- Low-power satellite telemetry devices
- Satellite constellations for IoT applications
- Privacy and security guarantees for massive IoT from space
- Random access in 3GPP Non-Terrestrial Networks and beyond
- Results from real-world deployments, experiments, prototypes and testbeds

Guest Editors

Dr. Riccardo De Gaudenzi

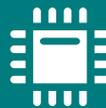
European Space Agency, European Space and Technology Center (ESTEC), Keplerlaan 1, P.O Box 299 2200 AG Noordwijk The Netherlands

Dr. Beatriz Soret

Department of Electronic Systems, Aalborg University, Fredrik Bajers Vej 7, C1-1119220 Aalborg Ø Denmark

Deadline for manuscript submissions

closed (10 March 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed

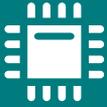


mdpi.com/si/52533

Sensors
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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

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

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)