Special Issue

UAV-Based Technology for IoT

Message from the Guest Editors

As ubiquitous connectivity and long-range radio coverage are required in many emerging Internet of Things (IoT) applications in multidisciplinary fields, supplementing and extending the terrestrial and satellite communication infrastructure is of paramount importance. This ambiguous landscape regarding UAVs and IoT has motivated the present Special Issue, whose aim is to introduce current research activities and prospective solutions towards the evolution of UAV-based IoT technologies. Topics of interest include (but are not limited to) the following:

- Sensor and actuator technologies
- Navigation, detection, and localization systems
- Network architectures and protocols
- Wireless communication technologies, mmWave, MIMO, NOMA, FSO
- Interference and resource management
- Energy harvesting and wireless power transmission
- Trajectory optimization
- Mobile edge computing (MEC)
- Software-defined radio (SDR), software-defined networking (SDN), and network function virtualization (NFV)
- Machine learning and deep learning methods
- Safety, security, and privacy issues
- Prototype results, testbeds, and new applications

Guest Editors

Dr. Emmanouel T. Michailidis

Department of Digital Systems, University of Piraeus, 18534 Piraeus, Greece

Dr. Petros Bithas

Department of Digital Industry Technologies, National and Kapodistrian University of Athens, 157 72 Athens, Greece

Deadline for manuscript submissions

closed (31 January 2022)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/57864

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)