

Special Issue

Application of Internet of Things Systems with Sensors in UAV Identification and Tracking

Message from the Guest Editors

UAVs have attracted increasing attention due to their widespread use in various fields, such as commercial deliveries, agriculture, search and rescue, and traffic monitoring. However, UAVs are a double-edged sword, as they can also be misused for nefarious purposes such as smuggling and terrorist attacks. Therefore, the identification and tracking of UAVs are necessary. This Special Issue aims to explore recent advancements, emerging trends, and innovative applications in the field of using Internet of Things systems with sensors for UAV identification and tracking. The topics of interest for this Special Issue include, but are not limited to, the following:

- The design of IoT systems for UAV identification;
- The design of IoT systems for UAV detection;
- The design of IoT systems for UAV tracking;
- Sensor data fusion in IoT systems for anti-UAV purposes;
- Signal processing algorithms in IoT systems;
- AI and ML algorithms for UAV identification and the IoT;
- Localization and tracking algorithms for anti-UAV purposes and the IoT.

Guest Editors

Dr. Chaoqun Yang

School of Automation, Southeast University, Nanjing, China

Dr. Guangyang Zeng

School of Data Science, The Chinese University of Hong Kong, Shenzhen, China

Deadline for manuscript submissions

30 November 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/233134

Sensors
Editorial Office
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 3.5
CiteScore 8.2
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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)