



## UAV Detection, Classification, and Tracking

Guest Editors:

**Dr. Anastasios Dimou**

**Dr. Arne Schumann**

**Dr. Lars Sommer**

**Dr. Dimitrios Zarpalas**

**Dr. Alessio Fascista**

**Prof. Dr. Angelo Coluccia**

Deadline for manuscript  
submissions:

**31 December 2024**

### Message from the Guest Editors

Dear Colleagues,

At present, UAVs (a.k.a. drones) are widely available in a wide range of sizes and capabilities, introducing unprecedented opportunities but also threats in terms of safety, privacy, and security. While the introduction of artificial intelligence and deep learning in conjunction with hardware innovations have significantly improved the capabilities to detect and classify drones, counter-UAV systems are facing challenges to detect threats from diverse UAV types and makes, in diverse and ever-changing environments.

This Special Issue aims to highlight advances in the field of UAV detection, classification, and tracking using a variety of single and multi-sensor techniques. Topics include, but are not limited to:

- Visual UAV detection and classification;
- IR UAV detection and classification;
- Radar UAV detection and classification;
- RF UAV detection and classification;
- Data fusion for UAV detection and classification;
- UAV tracking.

For more information, please see: [mdpi.com/si/195718](https://mdpi.com/si/195718)





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Diego González-Aguilera

Cartographic and Land  
Engineering Department, Higher  
Polytechnic School of Avila,  
University of Salamanca, Hornos  
Caleros, 50, 05003 Avila, Spain

## Message from the Editor-in-Chief

*Drones* is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

## Author Benefits

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

**High visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Remote Sensing*) / CiteScore - Q1 (*Aerospace Engineering*)

## Contact Us

---

*Drones* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/drones](http://mdpi.com/journal/drones)  
[drones@mdpi.com](mailto:drones@mdpi.com)  
[X@Drones\\_MDPI](#)