# Special Issue

# Detection, Identification and Tracking of UAVs and Drones

## Message from the Guest Editors

The detection of drones, at both short and long ranges, is of significant interest, as is the remote recognition and identification of the model, type, and capabilities of such drones. The tracking of drones in the presence of other aerial distractions and interference is further emphasised. This Special Issue seeks to attract pioneering research that advances the topics of detection, identification, and tracking of drones and UAVs through novel algorithms, techniques, tools, systems, and applications. We expect that artificial intelligence (AI) and machine learning (ML) will play major roles in future generations of advances in these topics. We welcome work exploring new sensing modalities such as vision, radar, and lidar as well as sensor fusion techniques that may accelerate the localization of drones of tracking performance. We therefore invite submissions that can provide transformative new ideas on topics including, but not limited to, dramatic improvements of the accuracy, speed, robustness, security, privacy, affordability, and scalability of drone and UAV detection, identification, and tracking.

## Guest Editors

Prof. Dr. Richard Han

Dr. V.P Nguyen

Dr. Karthik Dantu

Dr. Endrowednes Kuantama

## Deadline for manuscript submissions

14 November 2025

# Drones

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# About the Journal

### 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.

### Editor-in-Chief

Prof. Dr. Diego González-Aguilera
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