Special Issue

Advances in Detection and Tracking Applications for Drones and UAM Systems

Message from the Guest Editors

The proposed Special Issue aims to investigate innovative detection and tracking solutions that can be used for navigation, traffic management, traffic integration, detect-and-avoid, and surveillance purposes. Artificial Intelligence techniques can be used for proper data processing in simulated or real scenarios. Advances in on-board data processing for target detection and tracking aim to improve aerial vehicle performance or advanced payload tasks. Surveillance can be supported by properly designed ground systems and services also considering the Urban Air Mobility scenario under developement. We are pleased to invite original contributions and reviews. Topics can be related (but not limited) to the detection and tracking of targets and incoming traffic for navigation, traffic management, traffic integration, detection and tracking of Unmanned Aerial Systems for surveillance, detect-and-avoid, Urban Air Moblity applications and services, innovative image processing and sensor fusion, advanced solutions based on electro-optical, radar and/or lidar.

Guest Editors

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Deadline for manuscript submissions

closed (10 May 2025)

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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

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