

Special Issue

Urban Traffic Monitoring and Analysis Using UAVs

Message from the Guest Editors

We invite original research articles, comprehensive reviews, and insightful case studies on urban traffic monitoring topics including, but not limited to:

- Innovative UAV-based traffic (safety) data acquisition and processing techniques
- Real-time traffic monitoring and event detection using UAVs
- Integration of UAV data with traffic management systems
- AI and machine learning applications in UAV traffic analysis
- Multi-UAV coordination for comprehensive urban traffic surveillance
- Legal, ethical, policy and safety considerations in UAV deployment over urban areas
- Case studies of UAV implementation in urban traffic scenarios such as monitoring, enforcement, analysis etc.
- Environmental impacts of UAV-based traffic monitoring

Guest Editors

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Prof. Dr. Ansar Yasar
Prof. Dr. Stéphane Galland

Deadline for manuscript submissions

20 January 2026



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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