



*drones*

an Open Access Journal by MDPI



## Urban Air Mobility (UAM)

Guest Editors:

**Prof. Dr. Ivana Semanjski**

**Prof. Antonio Pratelli**

**Prof. Dr. Massimiliano  
Pieraccini**

**Dr. Silvio Semanjski**

**Prof. Massimiliano Petri**

**Prof. Dr. Sidharta Gautama**

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

The beginning of the 2020s finds connected multimodality at the forefront of urban mobility transformation. Cities grow larger (It is expected that Europe's population in urban areas will increase from today's 74% to about 83.7% in 2050) and increasingly face problems caused by transport and traffic (Congestion costs nearly 2% of the EU's GDP annually, while 85% of the EU's urban population is exposed to fine particulate matter PM2.5 at levels deemed harmful to health). To face this challenge, cities increasingly strive to implement SUMP (Sustainable Urban Mobility Plans) to increase the quality of life in their areas and encourage economic growth. Meanwhile, Urban Air Mobility (UAM) offers a promising opportunity to mitigate road (surface) congestion by integrating an additional modality/dimension in the urban mobility landscape. Nonetheless, on the path to fully urban operations of capable automated autonomous aircrafts and integrated UAM services, still plenty of questions remain open. This Special Issue aims to provide a platform for bringing together research advances made over the recent years in the domain of urban air mobility



[mdpi.com/si/123000](https://mdpi.com/si/123000)

# Special Issue



# drones



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](#)