Special Issue

Advances in Cartography, Mission Planning, Path Search, and Path Following for Drones

Message from the Guest Editors

The primary objective of this Special Issue is particularly interested in manuscripts that draw connections between the following topics:

- The cartography of terrain, geomagnetic fields, lapse rates, pollution, agriculture, archaeological features, weather (e.g. temperature, pressure, wind), etc.
- Sensor fusion for advanced navigation and positioning of drones, e.g., Kalman filters, machine learning.
- Data acquisition by drones.
- Collaborative drones that facilitate faster and more accurate task completion.
- Advanced communication and data transfer between drones and bases.
- Machine learning in pathfinding and mission accomplishment.
- Precision agriculture, infrastructure inspection, and urban planning.
- Advanced algorithms for path planning, mission planning, path search, and path following.
- Drones in emergency response scenarios.
- Drones and the Internet of Things.
- Advanced drone package-delivery systems.
- Collision avoidance and safety.

Guest Editors

Prof. Dr. Adrian Marius Deaconu

Dr. Razvan Udroiu

Dr. Delia Elena Spridon

Deadline for manuscript submissions

closed (25 August 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
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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