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

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Deadline for manuscript submissions:
20 January 2025

Message from the Guest Editors

Dear Colleagues,

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.

mdpi.com/si/203542

Special Issue

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Editor-in-Chief

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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.

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