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Advanced Autonomous Mobility toward Low-Altitude Economy and Three-Dimensional Transportation Systems

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Deadline for manuscript submissions:
29 November 2024

Message from the Guest Editors

This Special Issue aims to explore the cutting-edge developments in advanced autonomous mobility, with a particular focus on low-altitude economic activities and three-dimensional (3D) transportation systems. We invite original research papers, comprehensive reviews, and visionary perspectives that address the technological challenges of this emerging field. Topics of interest include, but are not limited to:

1. Autonomous aerial vehicles for urban air mobility
2. Autonomous ground vehicles for smart cities
3. End-to-end autonomous ground and aerial vehicle technologies
4. AI and machine learning applications in 3D traffic management
5. Cybersecurity and privacy concerns in connected aerial and ground mobility
6. Autonomous multimodal mobility technologies
7. 3D Transportation Infrastructure planning and design
8. Sensor technologies and perception systems for 3D transportation navigation
9. Energy-efficient propulsion systems for aerial vehicles
10. Human factors for aerial autonomous mobility

We welcome contributions from academia, and industry to foster interdisciplinary dialogue and accelerate the development of safe, efficient, and sustainable 3D transportation systems.

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Special Issue

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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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