

## Special Issue

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

### 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:

- Autonomous aerial vehicles for urban air mobility
- Autonomous ground vehicles for smart cities
- End-to-end autonomous ground and aerial vehicle technologies
- AI and machine learning applications in 3D traffic management
- Cybersecurity and privacy concerns in connected aerial and ground mobility
- Autonomous multimodal mobility technologies
- 3D Transportation Infrastructure planning and design
- Sensor technologies and perception systems for 3D transportation navigation
- Energy-efficient propulsion systems for aerial vehicles
- 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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### Guest Editors

Dr. Xiangkun He

Dr. Hailong Huang

Dr. Caizheng Wang

Dr. Henglai Wei

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### Deadline for manuscript submissions

closed (11 November 2025)



## Drones

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## About the Journal

### Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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