

Special Issue

Embodied Intelligence for Drones: Perception, Control, and Decision-Making

Message from the Guest Editors

Topics of interest include, but are not limited to, the following:

- Embodied intelligence for autonomous drones.
- Multimodal onboard perception and aerial environment understanding for UAVs.
- Autonomous navigation, planning, and decision-making for drones in complex and GPS-denied environments.
- Intelligent unmanned flight control and adaptive control.
- Vision-language-action and foundation models for drones.
- Reinforcement learning, imitation learning, and learning-based autonomy for unmanned aerial systems.
- Multi-drone cooperation and swarm intelligence.
- Human-drone interaction, teleoperation, and shared autonomy in aerial robotic systems.
- Digital twins, high-fidelity aerial simulation, and sim-to-real transfer for drone systems.
- Real-world applications of embodied drone systems, including infrastructure inspection, precision agriculture, logistics, environmental monitoring, and disaster response.

Guest Editors

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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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