

Special Issue

Advances in Aerial Robotics for UAS Networks and Applications

Message from the Guest Editors

We are delighted to announce the release of the Special Issue, “Advances in Aerial Robotics for UAS Networks and Applications”, and we look forward to receiving your valuable contributions. We welcome authors to submit their research on topics including, but not limited to, the following:

- Autonomous UAS navigation;
- Intelligent control strategies for UAV flight control systems;
- Coordination, cooperation, and communications in UAV swarms and UAV networks;
- UAV path planning, trajectory optimization, and collision avoidance;
- UAV-based intelligent transportation;
- Energy-efficient routing and optimal job scheduling for UAS applications;
- UAV fleet control architectures;
- Human-centered decision-making for urban air mobility;
- Smart urban air mobility;
- Distributed estimation theory applied to UAV swarms;
- Control, cooperation, and communications in heterogeneous robotic systems (e.g., UAVs, UGVs, etc.);
- Unmanned traffic management;
- Artificial intelligence for large-scale urban air mobility operations.

Guest Editors

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Deadline for manuscript submissions

15 April 2026



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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