

## Special Issue

# Drone Communication, Networking, and Trajectory Control in Urban Environments

### Message from the Guest Editors

In recent years, the integration of drone technology into urban environments has attracted significant attention due to its potential to revolutionize sectors such as logistics, surveillance, emergency response, and infrastructure inspection. This Special Issue aims to gather original research articles and review papers that provide insights into the latest advancements and challenges in drone communication, networking, and trajectory control in urban environments.

- Drone communication and networking
- Multi-drone coordination
- Real-time data transmission
- Urban air traffic management
- Trajectory planning
- Sustainable urban transport
- On-board AI processing
- Millimeter wave radar enabled drone navigation
- Drone remote sensing using millimeter wave radar
- LoRa-enabled drone monitoring and networking
- LoRa-assisted drone communication and networking
- LoRa for long range drone applications
- Novel drone applications
- Drone Assisted Wireless Communications for 5G and Beyond
- Drone security
- Integrated sensing and communication drone networks
- Remote object detection from drone
- Urban Computing

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### Guest Editors

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Dr. Ningning Hou

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### Deadline for manuscript submissions

15 May 2026



## 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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