

## 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

### Guest Editors

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Dr. Ningning Hou

Dr. Yimeng Feng

### Deadline for manuscript submissions

15 November 2025



## Drones

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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