Advances in IoT and Wireless Networks of UAVs: State of the Art, Achievements and Perspectives

Guest Editors:

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Deadline for manuscript submissions:
20 December 2024

Message from the Guest Editors

The role of unmanned aerial vehicles (UAVs) in next-generation wireless networks and the Internet of Things (IoT) has recently gained significant attention. This Special Issue aims to share the progress and efforts being made by researchers in UAV networks. Special emphasis is given to soliciting novel concepts and transformative design ideas that are emerging in this area which lie at the crossroads of wireless networking, robotic navigation, and sensing.

Authors are encouraged to submit original research papers and review articles on a wide range of topics including, but not limited to:

Cellular connected UAVs;
Connectivity for UAV corridors in aerial mobility;
UAV-enabled Open Radio Access Networks (O-RANs) ;
Localization and sensing with UAVs;
Prototypes, testbeds, and experimental results;
3D radio mapping with UAVs;
UAV energy-efficient trajectory planning;
Machine learning for UAV-aided wireless networking ;
Data harvesting with UAVs in IoT networks;
UAV mesh networks.

We look forward to receiving your original research articles and reviews.

mdpi.com/si/187339

Special Issue

Editor-in-Chief

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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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