Special Issue

UAV-Assisted IoT Solutions

Message from the Guest Editors

Unmanned aerial vehicles (UAVs) are emerging as a promising technology for enabling various Internet of Things (IoT) applications, such as smart cities, disaster management, and public safety. UAVs can provide flexible and dynamic connectivity, data collection, and computation for IoT devices and networks, overcoming the limitations of terrestrial infrastructure. However, UAV-assisted IoT solutions also pose significant challenges. This Special Issue aims to present the latest research advances and innovations in this area, covering topics:

- Integration of UAVs with existing IoT infrastructure;
- Novel protocols and technologies for the communication between UAVs and IoT devices;
- Flight planning and control algorithms for UAVs to optimize IoT data collection;
- Edge computing and artificial intelligence techniques for UAVs to enable low-latency and high-quality data processing and decision making;
- Security and privacy mechanisms for UAV-assisted IoT systems to protect data and communication from malicious attacks;
- Applications and case studies of UAV-assisted IoT solutions in various domains, including smart cities, agriculture, healthcare, and transportation.

Guest Editors

Prof. Dr. Carlos Tavares Calafate

Prof. Dr. Abderrahmane Lakas

Dr. João Pedro Matos-Carvalho

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Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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