



drones

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Recent Advances in Unmanned Aerial Vehicles for Next Generation Wireless Communications Networks

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Message from the Guest Editors

Dear Colleagues,

Due to the high mobility and flexible deployment of Unmanned Aerial Vehicles (UAVs) in an open environment, they have generated enormous interest in civil and military applications aiming to foster agile communications and enable ubiquitous connectivity. Dominant line-of-sight communication links are a huge benefit of UAV communications; however, UAVs can be more vulnerable to adversarial eavesdropping attacks.

UAVs can be used for various applications due to their adaptability, low acquisition and maintenance costs, high mobility, and hovering capability. Since their invention, UAVs have been considered for military purposes, including simple but dangerous tasks such as monitoring and attacking hostile targets. They are also used to grow civilian operations such as rescue efforts, cargo transport, resource exploitation, aerial photography, agriculture, traffic management, and communications. Therefore, it is important to study the latest advancements in UAV communications, such as integration of next-generation technologies into UAV communications. This Special Issue aims to provide selected contributions on advances in UAV communications.



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Special Issue



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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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