Addressing Security and Privacy Concerns for Drones in Networks beyond 5G

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Message from the Guest Editors

Networks beyond 5G (B5G) include the automation and intelligence of drones, as well as strategies for capacity expansion to address the massive connectivity problems and provide ultra-high throughput and low latency. On the other hand, security and privacy threats have always been a concern with drones. This is due to the absence of security and privacy considerations in the drone's design, including unsecured wireless channels and an inadequate computation capability to execute advanced cryptographic algorithms. This Special Issue debates the security and privacy threats that could prevent drones from being used in various B5G applications, as well as the security requirements needed. Furthermore, this Special Issue also aims to propose solutions based on lightweight security methods, including the use of blockchain technology and federated learning.

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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.

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