

Special Issue

Security, Privacy and Reliability of Drone Communications for beyond 5G Networks

Message from the Guest Editors

This Special Issue aims to suggest solutions to challenging issues such as privacy leakage, data confidentiality, and flexible accessibility over 5G and beyond wireless networks. Researchers around the world are encouraged to propose cutting-edge technologies such as artificial intelligence (AI)/machine learning (ML), quantum machine learning (QML), blockchain, terahertz (THz) communication, fog/edge computing, visible light communication (VLC), and so on, for drone communication networks. Potential topics include but are not limited to:

- Security and privacy issues of drone communication networks;
- Integrating drones into 5G and beyond;
- Real-time video broadcasting from the drone to 5G networks;
- D2D and cognitive communications;
- Energy-efficient drone communications in 5G and beyond;
- Blockchain-based security protocols for 5G-enabled drone communication;
- Novel frameworks and algorithms based on existing and upcoming technologies to enhance the scalability and security of 5G-enabled drone communication;
- Cloud, fog, and edge computing architecture for drone-assisted communication networks;
- SDN and NFV for drone communications;

Guest Editors

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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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