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

Dr. Mohammed H. Alsharif

College of Electronics and Information Engineering, Sejong University, Seoul 05006, Republic of Korea

Dr. Muhammad Asghar Khan

Hamdard Institute of Engineering & Technology, Islamabad 44000, Pakistan

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

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Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field 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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