Special Issue

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

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.

Guest Editors

Dr. Muhammad Asghar Khan

Prof. Dr. Pascal Lorenz

Dr. Syed Agha Hassnain Mohsan

Dr. Shehzad Ashraf Chaudhry

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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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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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