

Special Issue

Physical-Layer Security in Drone Communications

Message from the Guest Editors

Drone communications face increased vulnerability to impersonation and eavesdropping. Physical-layer security (PLS) offers high security and low complexity. This Special Issue explores PLS solutions for drone communications, including:

- Physical-layer wireless key generations in drone communications;
- Radio frequency fingerprinting of drones and legacy authentication;
- Wireless channel feature-based legacy authentication in drone communications;
- 3D beamforming-based secrecy enhancements in drone communications;
- Imperfect knowledge from eavesdropper-related issues;
- Drone jitter and its impacts on PLS;
- Security and beneficial trajectory design of drones;
- Relay and jamming-assisted PLS drone communications;
- Experimental methodology and designs in PLS drone communications;
- Field tests related to PLS of drone communications.

Guest Editors

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Drones

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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.

Editor-in-Chief

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