Special Issue

Editorial Board Members' Collection Series: On Selected Areas of Quantum Engineering, Internet, Privacy, and Security in Drones

Message from the Guest Editor

Quantum engineering with Quantum Machine Learning offers transformative potential for drones and aerial vehicles, requiring innovative approaches distinct from classical techniques. Traditional strategies for Internet, Privacy and Security, are ineffective in quantum environments where entanglement and decoherence play central roles. These unique challenges necessitate a paradigm shift in designing quantum protocols and systems for aerial applications. This collection series seeks ground breaking research on the design, implementation, and application of quantum engineering solutions for the Internet, Privacy and Security of drones and aerial vehicles. We invite high-quality submissions in the following areas:

- Quantum Internet Communication protocols for aerial networks
- Experimental results, prototypes, demonstrations, and testbeds for aerial vehicles
- Quantum theory for aerial communication and navigation
- Quantum system architectures for drones
- Quantum repeaters and routing for aerial applications
- Design principles for quantum-enhanced aerial networks

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2025)

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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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