

Special Issue

Recent Advances in UAVs for Wireless Networks

Message from the Guest Editors

Unmanned Aerial Vehicles (UAVs) such as drones in 6G are envisaged to be capable of understanding the semantics of spatial and temporal environmental changes, adjusting their trajectories, intelligently collecting local data, orchestrating their platoons, and immediately responding to unforeseen events while interactively collaborating with other drones, machines, and humans. While this limit has successfully served content delivery networks for decades, many emerging applications with UAVs, drones, ranging from tactile internet and autonomous vehicles to disaster response and haptic applications, involve interactions between machines and humans where information content would play a role in the design and performance of the communication channel on the move. Most existing space learning systems are centralized with data streamed from devices, drones, and satellites. Nevertheless, such a centralized approach may lead to privacy issues, breach applications' latency restrictions, or become ineffective due to high cost, bandwidth, or border constraints.

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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.

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