

Special Issue

The Future of Unmanned Aerial Vehicles (UAV) and IoT Technologies: Challenges, and Innovations

Message from the Guest Editors

We invite you to contribute original research or review articles to this Special Issue, which explores the evolving landscape of Unmanned Aerial Vehicles (UAVs) and Internet of Things (IoT) technologies. This issue aims to highlight recent innovations, emerging applications, and the open challenges within each field, as well as their growing convergence. UAVs have become highly adaptable platforms across diverse domains such as aerial surveillance, remote sensing, disaster response, precision agriculture, and wireless communications. We welcome submissions focused on advancements in autonomous navigation, swarm coordination, onboard edge computing, flight path optimisation, and the integration of UAVs with terrestrial and satellite networks. IoT technologies continue to transform how systems sense, communicate, and interact with the physical environment. Topics of interest include sensor networks, low-power communication protocols (e.g., LoRa, NB-IoT, 6LoWPAN), energy-efficient data processing, distributed intelligence, and interoperability across large-scale IoT infrastructures.

Guest Editors

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Prof. Dr. Erich Leitgeb

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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