

Special Issue

Unmanned Aerial Vehicles (UAVs) Communication and Networking

Message from the Guest Editors

Unmanned aerial vehicles (UAVs) have enormous potential in the public and civil domains. Routing demands of UAV networks go beyond the needs of MANETs and VANETs. Protocols are required that would adapt to high mobility, dynamic topology, intermittent links, power constraints, and changing link quality. In addition, the unstructured deployment with wireless and dynamic communication means that UAVs are exposed to various security threats, meaning that security, privacy, and trust management are the key challenges to tackle. Researchers, developers, and industry practitioners working in this area are invited to present their views on the current trends, challenges, and state-of-the-art solutions of UAV Networks, addressing various issues including routing, energy conservation, security, and so on. Due to the complex and dynamic environment that the UAVs operate in, the use of intelligent algorithms, e.g., machine learning/deep learning techniques in optimizing proposed solutions are of high relevance to the Special Issue.

Guest Editors

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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