Special Issue

Next-Generation Wireless Network Protocol Design

Message from the Guest Editor

This Special Issue on “Next-Generation Wireless Network Protocol Design” aims to collect new and interesting ways of designing protocols for future wireless networks, including broadband cellular networks, Wi-Fi, and other wireless network systems. Topics of interest include, but are not limited to, the following areas:

- 5G and 6G systems;
- IEEE 802.11ax, 802.11be and other wireless LAN standards;
- Vehicular networks;
- Machine-to-machine communications;
- Energy-efficient communications;
- Software-defined networks and network virtualization (SDN/NFV);
- Protocols that utilize full duplex communications and non-orthogonal multiple access;
- Efficient resource management and allocation algorithms;
- Machine learning-based protocols;
- Theoretical analysis of wireless network performance;
- Performance comparison of state-of-the-art network technologies;
- Wireless network simulators, simulation modules, and simulation methodologies;
- Experience with testbed implementations.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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