Special Issue

Topical Advisory Panel Members' Collection Series: Protocol and Optimization of Sensor Networks

Message from the Guest Editors

Recently, we have seen a growing interest in the potential use of sensor networks, which offer new opportunities through the implementation of a sensor network protocol in many different applications. Various optimization methods, e.g., convex optimization, machine learning (ML) and artificial intelligence (AI), have been explored to determine how sensor networks work efficiently in different scenarios, e.g., machine type communications (MTCs) and unmanned aerial vehicles (UAVs). This Special Issue, therefore, aims to collect together original research and review articles on the recent advances, technologies, solutions, applications and new challenges in the field of sensor network protocol and optimization. Potential topics include, but are not limited to:

- Multiple access control (MAC) protocols and optimizations;
- Topology control and routing protocols and optimizations;
- Hybrid Wi-Fi, Bluetooth, and Zigbee networks;
- Car-to-car and infrastructure-to-car protocols and optimizations;
- Underwater sensor network protocols and optimizations;
- Sensor networks in medical and manufacturing industries.

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Deadline for manuscript submissions

closed (20 October 2024)

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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