

Special Issue

Applications and Perspectives of Real-Time Data Collection in Sensor Networks

Message from the Guest Editor

Real-time data collection in sensor networks is a crucial aspect of modern intelligent systems, as sensor technologies and edge computing continue to evolve, there is a growing need for novel methodologies, frameworks, and architectures to enhance the efficiency, accuracy, and scalability of real-time data collection and processing. This Special Issue aims to present state-of-the-art research on real-time data collection in sensor networks, and it will cover key topics including, but not limited to, the following:

- Advanced sensor network architectures for real-time data collection;
- Energy-efficient protocols and low-power communication in real-time applications;
- The integration of IoT and cloud computing for real-time sensor analytics;
- Security and privacy challenges in real-time data collection;
- Real-world case studies and industrial applications of real-time sensor networks;
- Applications in healthcare, environmental monitoring, and smart cities.

Guest Editor

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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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