Special Issue

Multi-Agent Sensors Systems and Their Applications

Message from the Guest Editor

The evolution of multi-agent sensor systems represents a paradigm shift in sensor network design, enabling collaborative and intelligent sensing capabilities across distributed environments. These systems, composed of multiple autonomous sensor nodes that can communicate, cooperate, and adapt to dynamic conditions, possess the potential to revolutionize various applications ranging from environmental monitoring and smart cities to industrial automation and healthcare. This Special Issue aims to explore the latest developments and applications of multi-agent sensor systems. topics of interest include, but are not limited to, the following:

- Design and optimization of multi-agent sensor networks;
- Collaborative sensing and information fusion techniques;
- Applications of multi-agent sensor systems in IoT, smart environments, and industrial automation;
- Energy-efficient protocols and algorithms for multi-agent sensor networks;
- Security and privacy considerations in multi-agent sensor systems;
- Machine learning and AI approaches for enhancing multi-agent sensor system performance;
- Case studies and real-world deployments of multi-agent sensor systems.

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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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