Sensing Applications and Developments in IoT: Advancements, Challenges, and Future Prospects

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Deadline for manuscript submissions:
30 September 2024

Message from the Guest Editors

We encourage submissions that cover a wide array of topics, including but not limited to:

1. **Sensor Technologies**: Novel advancements in sensor miniaturization, energy efficiency, and accuracy, exploring the potential of emerging sensor types.
2. **Edge Computing for Sensing**: Contributions focusing on the integration of edge computing to enhance the processing capabilities of IoT devices, improving real-time decision making.
3. **Machine Learning and Artificial Intelligence in Sensing**: Exploring how machine learning and AI techniques can be applied to optimize data analytics, pattern recognition, and intelligent decision making within IoT sensing systems.
4. **Security and Privacy in IoT Sensing**: Addressing the crucial challenges associated with securing sensor data, ensuring privacy, and mitigating potential threats in IoT ecosystems.
5. **Interoperability Challenges and Solutions**: Research that tackles interoperability issues to foster seamless communication and collaboration among diverse IoT devices and platforms.
6. **Energy-Efficient Sensing**: Innovative approaches and technologies to address energy constraints in IoT devices, prolonging battery life and sustainability.

Special Issue

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Message from the Editor-in-Chief

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