Special Issue

IoT-Enabled Smart Everything Cyber-Physical Systems

Message from the Guest Editors

Modern Cyber-Physical Systems, incorporating sensors, IoT protocols, and AI-based applications are driving the future of Smart Everything initiatives, spanning from Industry x.0 and Connected Health to Building Automation and Smart Cities. IoT protocols and standards serve as the essential connective tissue between sensors and smart applications. While IoT offers end-to-end internet connectivity, sensors often face power constraints, limited computational resources, and networking challenges due to battery operation. The complexities of Smart Everything topologies are substantial. This Special Issue aims to explore IoT-enabled Smart Everything systems that facilitate sensor–application interaction by discussing and analyzing topologies and mechanisms to overcome these challenges. Topics of interest include, but are not limited to:

- Power-constrained wearables and static sensors;
- Low-Power Wide Area Network (LPWAN) sensor topologies;
- Wireless Personal Area Network (WPAN) sensor topologies, etc

For more information, please visit: mdpi.com/si/214477

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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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