Special Issue

Artificial Intelligence of Things for Real-Time Data Monitoring and Processing

Message from the Guest Editors

The Internet of Things (IoT) is transforming the way we interact with our devices at home, at work, and throughout our cities. The number of IoT devices that continuously gather data from our environment is exponentially increasing, and so is the amount of data obtained. The potential value of the data is proportional to the capacity of analyzing it and making rapid decisions. Therefore, new artificial intelligence (AI) techniques are needed to intelligently let the devices learn, reason, and process the information without human interaction. This Special Issue solicits high-quality unpublished work on recent advances in real-time data monitoring and processing using lightweight AI on the IoT device itself. It welcomes theoretical contributions as well as applications in the area of AIoT. Topics of interest include but are not limited to the following:Energy-efficient artificial intelligence and machine learning algorithms etc. For further information about the topics of interest, please visit: https://www.mdpi.com/journal/sensors/special_issues/aiotd

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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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