

Special Issue

Recent Advances in Sensors and Machine Learning Methods in IoT for Automatic Detection and Classification

Message from the Guest Editors

Sensors serve as the eyes and ears for a computing infrastructure that analyzes and responds to the information gathered from the sensors. They connect the physical world to the logical world by measuring things like pressure, force, acceleration, temperature, chemical, humidity, level, proximity, touch, and optical properties. However, with recent advancements in communication and sensor fabrication technology, sensors also play a pivotal role in the internet of things (IoT). And the integration of Artificial Intelligence (AI) based data analytics via machine learning or deep learning approaches, which provides the automatic detection and classification of the sensor data, is further enhanced by IoT infrastructures connected with various sensors. In the near future, such data can be made available to the cloud server. This special issue showcases the most current and upcoming developments in sensor development as well as the use of machine learning techniques on sensor data to evaluate the physical world by taking into account the fact that sensors are integrated with IoT and AI.

Guest Editors

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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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