Special Issue

Developing New Methods of Computational Intelligence and Data Mining in Smart Sensors Environment 2022

Message from the Guest Editor

Machine learning and computational intelligence methods, especially deep learning, can be used to create smart sensors that can perform testing, classification, or prediction. The whole menagerie of sensors, including inductive proximity sensors, photoelectric retroreflective sensors, ultrasonic sensors, and others, can be beneficial to all areas—from Industry 4.0 through cars to smart offices, homes, or hospitals. Synergistic hyperconnectivity brought by the emergence of the IoT will increase the applicability of such intelligent sensors. This Special Issue is addressed to all soft computing methods enabling in-sensor, edge, and similar computing for machine vision, data acquisition, or diagnostics. The methods covered will include deep learning, fuzzy logic, evolutionary methods, and various data mining techniques.

- sensor networks
- smart/intelligent sensors
- sensor devices
- sensor technology and application
- sensing principles
- Internet of Things
- fuzzy logic
- data mining
- data fusion and deep learning in 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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