Special Issue

Machine Learning in Sensor Networks

Message from the Guest Editors

Since sensors are mostly characterized by limited capabilities, sensor networks have inspired resurgence in research on machine learning (ML) methodologies. To solve networking and application problems in sensor networks, various machine learning algorithms are rigorously studied. The fundamental limits of learning algorithms should be addressed, and future machine learning research directions are also welcome. How can we build a strong ML model to solve problems in sensor networks? How can we detect and prevent further problems in sensor networks? We look forward to receiving up-to-date research papers related to machine learning in sensor networks. This Special Issue covers all topics related to current research issues in machine learning in sensor networks. Related topics include but are not limited to the following:

- Energy-aware communications;
- Optimal node deployment and localization;
- Resource allocation and task scheduling;
- Information processing in sensor networks;
- Target tracking;
- Event classification;
- Identification of target class.

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Deadline for manuscript submissions

closed (28 July 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/
sensors

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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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