

Special Issue

Artificial Intelligence and Machine Learning in Engineering Sensing Applications

Message from the Guest Editor

Artificial intelligence (AI) and machine learning (ML) are rapidly transforming engineering sensing by enabling more sophisticated data analysis, predictive capabilities, and automated decision-making, leading to improved efficiency, reliability, and safety in various industrial applications. The potential areas of using AI and ML in engineering sensing include data pre-processing, sensor calibration and compensation, signal interpretation, and process optimization. This Special Issue is aimed at publishing articles representing state-of-the-art and future trends of developing AI and ML in engineering sensing applications that include, but are not limited to, machinery and structural health monitoring, sensor networks for environmental monitoring, and autonomous vehicles. Potential authors are invited to contribute in the form of original research, theoretical developments, experimental studies, and reviews of current status and future trends in the area.

Guest Editor

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Deadline for manuscript submissions

31 December 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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