Special Issue

Signal Processing and Machine Learning Techniques for Intelligent Sensing Applications

Message from the Guest Editor

The last few decades have seen the emergence of a new era of intelligent sensors, enabling the creation of systems and devices that improve the convenience and quality of our lives and radically change the way people perceive and understand the world. Remarkable advances in machine learning and signal processing technologies now enable us to collect, analyse, and interpret information from a wide range of intelligent sensors in a variety of applications. This has a significant impact on a wide range of areas. This Special Issue calls for innovative efforts to explore new frontiers and challenges in the application of machine learning techniques and algorithms to many areas of intelligent sensing applications. Topics of interest include, but are not limited to, the following:

- Intelligent sensors and systems in machine vision and control;
- Machine learning methods for health monitoring and biomedical signal processing;
- Pattern recognition in medical diagnosis;
- AI-based transportation systems;
- Deep learning architectures;
- Data-driven models;
- Machine learning in various sensing applications.

Guest Editor

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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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