Special Issue

Recent Research on Intelligent Sensors

Message from the Guest Editors

In recent years, intelligent sensors have experienced rapid advancements and breakthroughs, revolutionizing a range of fields such as healthcare, manufacturing, environmental monitoring, and smart cities. These cutting-edge sensors combine the power of advanced technologies such as artificial intelligence, machine learning, connectivity, and miniaturization to enable accurate, real-time data acquisition, analysis, and decision-making. The articles featured in this Special Issue delve into various aspects of intelligent sensors, encompassing both theoretical studies and practical implementations. Topics of interest include, but are not limited to, the following:

- Sensor technology advancements and innovations;
- Signal processing techniques for intelligent sensors;
- Data fusion and integration methodologies;
- Machine learning and artificial intelligence for sensor data analysis;
- Internet of Things (IoT) and sensor networks;
- Applications of intelligent sensors in healthcare, transportation, energy, agriculture, and more.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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