

Special Issue

Advances in Intelligent Sensor Networks and Their Applications

Message from the Guest Editors

Smart sensor networks are crucial for the development of modern interconnected systems, such as the Internet of Things (IoT), smart environments, hardware systems equipped with artificial intelligence components, and cyber-physical systems. Sensors, distributed computing, advanced communications, energy efficiency, and artificial intelligence have all seen progress, leading to the emergence of new perspectives for real-time data acquisition, processing, and interpretation. This Special Issue of *Applied Science* aims to explore the latest developments in smart sensor networks, disseminating results on the technical aspects of applications in various fields, such as smart cities, agriculture, healthcare, energy, and Industry 4.0 and 5.0. Topics of interest include, but are not limited to, the following:

- Wireless sensor networks (WSNs);
- The application of sensors in IoT architectures;
- The integration of intelligent sensor networks;
- Edge computing and fog computing;
- Machine learning in sensor system communication;
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Guest Editors

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Deadline for manuscript submissions

closed (20 April 2026)



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About the Journal

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.

Editor-in-Chief

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