Special Issue

Smart Sensing Technologies in Industry Applications

Message from the Guest Editors

In recent years, smart sensing technologies have evolved remarkably, driven by significant advancements in areas ranging from flexible electronics to AI-assisted sensor systems. This Special Issue aims to showcase the latest research, developments, and applications within this rapidly expanding field.

We invite submissions addressing topics including, but not limited to, the following:

Flexible and stretchable sensors;
Smart and intelligent inspection systems;
Non-destructive testing (NDT);
Structural health monitoring (SHM);
Industrial and healthcare applications of smart sensors;
AI-based sensor data analysis and feature recognition.

We also strongly encourage contributions exploring emerging and interdisciplinary areas that will define the future of smart sensing, such as the following:

Self-powered and energy-harvesting sensors;
Sensor fusion and edge computing;
Sensor security and data privacy;
Sensor-driven digital twins.

We believe that your contributions will highlight the essential role of sensing technologies as foundational components of AI-driven systems and digital twins, while proposing innovative solutions to contemporary challenges.

Guest Editors

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Deadline for manuscript submissions

20 January 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/245231

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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.

Editor-in-Chief

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