

## Special Issue

# Advances in Sensorized AI-Driven Intelligent Systems in Healthcare and Beyond

### Message from the Guest Editors

Artificial intelligence (AI), driven by the rapid advancement of digital technology, is evolving into interconnected systems that are transforming various fields, including human-machine systems (HMSs), cognitive IoT, edge computing, healthcare, and wearable applications. These systems offer users cutting-edge services, enabling more precise diagnostics, predictive modeling, and data-driven insights that are revolutionizing modern healthcare and research methodologies in the medical domain. This Special Issue contributes to advancing methods to capture, process and analyze data from population studies, IoT medical devices, and edge devices, integrating them with machine learning (ML) algorithms to develop systematic approaches. The inclusion of explainable AI (XAI) or large language models (LLMs) further strengthens these systematic approaches, making them more transparent, efficient, and user-friendly. We also welcome contributions showcasing demos and practical applications, highlighting innovative implementations and real-world use cases aligned with the Special Issue.

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### Guest Editors

Dr. Domenico Lofú

Dr. Pietro Pinoli

Dr. Giuseppe D'Aniello

Dr. Paolo Sorino

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### Deadline for manuscript submissions

closed (20 May 2026)



## Sensors

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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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### Editor-in-Chief

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