

## Special Issue

# Intelligent Industrial Internet of Things: From Theory to Applications

### Message from the Guest Editors

The Intelligent Industrial Internet of Things (IIoT) is transforming industrial ecosystems by integrating machines, devices, sensors, and actuators with digital platforms, networks, and data-driven applications. Enabled by low-power sensing, edge computing, AI, cybersecurity, and advanced connectivity, IIoT is driving diverse industrial innovations.

Yet, a gap remains between academic research and industrial needs, with methods and tools often lagging behind real-world challenges. Bridging this gap is essential to prepare professionals and researchers with skills aligned to industry demands.

This Special Issue seeks cutting-edge research, practical applications, and forward-looking perspectives in Intelligent Industrial IoT. Topics include: training methods; AI in IIoT; intelligent acoustic monitoring; edge/fog computing; on-device processing; cybersecurity; IoT for nature-based solutions; quantum networking; data-driven applications; IIoT for health; and Web of Things

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### Guest Editors

Dr. Joan Navarro

Dr. Víctor Caballero

Prof. Dr. Agustín Zaballos

Dr. Alan Briones

Dr. Ester Vidaña

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### Deadline for manuscript submissions

25 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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