

## Special Issue

# Wireless Sensor Networks for the Development of Cyber-Physical Systems (CPS)

### Message from the Guest Editors

This Special Issue seeks to explore solutions specifically for the design, implementation, and analysis of sensor networks within industrial CPS. We encourage submissions that address scenarios where sensor networks are integral to the functioning and optimization of complex cyber-physical systems. Contributions are invited on (but not limited to) the following topics:

Measurement methods and techniques for characterizing Wireless Sensor Networks (WSNs)

- Novel approaches to characterize bandwidth, latency and time synchronization
- Methodologies for detecting cyberattacks and vulnerabilities in networked CPSs

Wireless Communication for Industrial CPS:

- Wireless sensor networks for enabling connectivity in Industrial IoT and CPS.

Sensor Systems and Data Management in CPS:

- Sensor-based measurement systems for precise control and optimization within CPS.

Security and Reliability of CPS Sensor Networks:

- Security protocols and mechanisms for protecting sensor data and CPS infrastructure.

Applications and simulation models of Sensor-enabled CPS:

- Case studies and applications of CPS in large industrial plants and manufacturing processes.

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### Guest Editors

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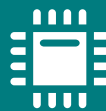
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### Deadline for manuscript submissions

25 January 2026



## Sensors

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## About the Journal

### 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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