

## Special Issue

# Sensors and Applications in Deep Learning and Artificial Intelligence

### Message from the Guest Editor

Prospective authors are welcome to submit original research and technical papers in these fields. Using sensor(s) technologies, the expected topics include, but are not limited to, the following:

- Applications and sensors for manufacturing, machinery, semiconductors, and related industries such as quality inspection, defect detection, predictive maintenance, and yield control, and related applications.
- Smart applications and sensors for architecture, construction, buildings, e-learning, and recommendation systems.
- Applications and sensors for autonomous vehicles, surveillance systems, traffic monitoring, suspicious tracking, and transportation.
- Object recognition, image classification, object detection, speech processing, human behavior analysis, and related sensing applications.
- Safety in nuclear power plants, drone-based delivery, medical systems, automation systems, security systems, smart farming, sensor performance optimization, and thermal imaging (infection detection).
- Sensor group-based communication for collective task operations, i.e., vehicle platooning, AI drones, manufacturing synchronization, etc.

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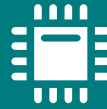
### Guest Editor

Prof. Dr. Shyan-Ming Yuan  
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### Deadline for manuscript submissions

25 January 2027



## 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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