

## Special Issue

# Intelligent Sensors and Artificial Intelligence in Buildings (2nd Edition)

### Message from the Guest Editors

Smart building is an important component in smart city construction and the progress of Smart City 4.0. Intelligent sensors with abilities in precise perception, automatic detection/diagnosis, data mining, information interaction, etc., provide the underlying support for big data and industrial Internet of Things (IoT) in the field of smart buildings. This Special Issue therefore aims to collect together original research and review articles on recent advances, technologies, solutions, applications, and new challenges for intelligent sensors and artificial intelligence in buildings. Potential topics include, but are not limited to, the following:

- Non-contact, non-intrusive building environment perception technology.
- Intelligent devices and instruments for smart buildings.
- IoT applications with intelligent sensors in building.
- AI-assisted building decision making.
- AI-based energy consumption prediction of buildings.
- Intelligent security monitoring and building facility fault diagnosis.
- Building information modeling (BIM) with AI.
- Cutting-edge AI technologies for full life-cycle management of buildings.

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### Guest Editors

Prof. Dr. Ke Yan

Dr. Xin Li

Dr. Vincent Gan

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### Deadline for manuscript submissions

20 September 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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