

## Special Issue

# Intelligent Sensors and Artificial Intelligence in Building

### Message from the Guest Editors

Smart building is an important component in the progress of constructing smart city and smart city 4.0. Based on the remote sensing information supported by intelligent sensors, various artificial intelligence (AI) technologies such as deep learning, edge computing, smart blockchain, have been deeply involved in the full life-cycle management of intelligent building, greatly improving the comfort, safety and humanization of modern building. Potential topics include but are not limited to:

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

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### Guest Editors

Dr. Ke Yan

Dr. Xin Li

Dr. Vincent Gan

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### Deadline for manuscript submissions

20 November 2025



## 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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