

## Special Issue

# Emerging Sensors and AI-Driven Innovations in Infrastructure Health Monitoring

### Message from the Guest Editors

The field of infrastructure health monitoring is undergoing transformative advancements driven by novel sensors, AI-driven algorithms, and innovative technologies. This Special Issue showcases the latest research in these areas, focusing on their applications in monitoring, controlling, and assessing critical infrastructures such as bridges and buildings. We invite submissions on the development and deployment of innovative, low-cost sensor technologies for structural health monitoring. Contributions that highlight the integration of AI for data analysis, anomaly detection, and predictive maintenance are welcome. We also emphasize research on sensor data fusion with AI to enhance monitoring accuracy, advancements in modal analysis, and the validation of low-cost sensors. Additionally, insights into emerging technologies like IoT, digital twins, and edge computing are encouraged. This Special Issue seeks to explore future directions and challenges in these evolving fields.

### Guest Editors

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### Deadline for manuscript submissions

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## 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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