

## Special Issue

# Advances in Connected and Automated Mobility: Sensing Technologies and Applications

### Message from the Guest Editors

The integration of 5G-Advanced, artificial intelligence (AI), and next-generation infrastructure is reshaping intelligent transportation systems (ITS). Today's mobility ecosystems span space, air, and ground domains, encompassing autonomous vehicles, low-altitude drones, and space-based assets such as navigation and Earth observation satellites, along with low-Earth-orbit communication networks. At the core of this paradigm shift is the ability to process and interpret vast streams of data. This Special Issue invites cutting-edge research that leverages large language models (LLMs) and other advanced AI methods to fuse, interpret, and extract actionable insights from multimodal sensor data. The scope of this issue comprehensively encompasses the full data lifecycle—from sensor data acquisition and fusion to intelligent interpretation and secure sharing—addressing both the unique challenges and emerging opportunities within this highly interconnected mobility landscape.

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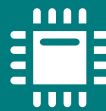
### Guest Editors

Prof. Dr. Lei Zhang  
Prof. Dr. Weizhi Meng  
Dr. Jiahuai Mao

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### Deadline for manuscript submissions

30 September 2026



## 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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