

## Special Issue

# Sensing, Communication, and Security for Connected and Autonomous Vehicles

### Message from the Guest Editors

Advances in sensing, communications, and software are rapidly transforming connected and autonomous vehicles (CAVs) into complex systems delivering safer, more efficient transport. Emerging technologies—AI, blockchain, 5G/6G, edge/cloud computing, digital twins, AR/VR, and cybersecurity—are shaping next-generation mobility. Yet, rapid adoption also raises pressing challenges, especially cybersecurity, making resilient and trustworthy CAV infrastructures a priority for researchers, industry, and policymakers. This Special Issue seeks high-quality contributions on the latest trends, applications, and security challenges in CAVs, from theory to real-world validation. Topics include: communication and V2X; 5G/6G latency and reliability; intelligent infrastructure; AI for real-time decisions; cybersecurity and privacy; data sharing and governance; traffic safety optimization; sensor fusion; CAV–infrastructure cooperation; blockchain; cloud/edge/fog computing; AR/VR; digital twins;

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### Guest Editors

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### Deadline for manuscript submissions

25 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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