

Special Issue

Security and Privacy in Connected and Autonomous Vehicles

Message from the Guest Editor

This Special Issue will bring together researchers, practitioners, and industry experts to explore innovative security frameworks, privacy-preserving techniques, and risk mitigation strategies for modern vehicular networks. This Special Issue will also cover recent advances in cryptographic methods, intrusion detection and prevention systems, blockchain applications, AI-driven threat analysis, secure over-the-air (OTA) updates, vehicular forensics, and regulatory aspects of automotive cybersecurity. We invite high-quality submissions presenting novel research, case studies, and comprehensive surveys on topics including, but not limited to, the following:

- Security architectures for In-Vehicle Network (IVN) and V2X communication;
- Privacy-preserving techniques in CAVs;
- Intrusion detection and prevention for IVN and V2X;
- AI and machine learning for automotive cybersecurity;
- Blockchain and distributed ledger technologies for vehicular security;
- Heterogeneous sensor data and cloud-based context mining;
- Digital twins for cyber-physical security in mobility systems;
- Threat modeling and risk assessment in CAVs;

Guest Editor

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Deadline for manuscript submissions

30 November 2025



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/234566

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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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