

Special Issue

Vehicular Communications in 5G and 6G: Technologies, Architectures, and Challenges for Future Mobility

Message from the Guest Editors

This Special Issue invites high-quality original research addressing the challenges and opportunities of vehicular communications in 5G and 6G systems. Both theoretical studies and practical implementations are welcome. Topics of interest include, but are not limited to, the following:

- 5G and 6G architectures for vehicular communications;
- Communication requirements and models for level 4/5 autonomous vehicles;
- Integrated sensing and communication (ISAC) for vehicular systems;
- Communication for cooperative perception and vehicle coordination;
- AI/ML for mobility-aware network management and optimization;
- Edge/fog/cloud computing integration in vehicular networking;
- Ultra-reliable and low-latency communication (URLLC) techniques;
- Cross-border, cross-operator, and heterogeneous V2X environments;
- Green and sustainable vehicular communication strategies;
- Security, privacy, and trust in vehicular communications;
- Testbeds, simulations, and field trials for V2X in 5G/6G context.

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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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