

Special Issue

V2X Communication

Message from the Guest Editors

This Special Issue will showcase cutting-edge advancements, challenges, and opportunities in V2X communication, fostering collaboration and innovation in this transformative field. We welcome submissions addressing, but not limited to, the following topics:

- **V2V, V2I, V2P, and V2N Communication Technologies**
 - Protocols and standards development;
 - Data dissemination and scheduling;
 - Resource allocation and management;
 - Communication algorithms.
- **Security and Privacy in V2X Networks**
 - Threat detection and mitigation;
 - Encryption and authentication mechanisms.
- **Edge Computing and Data Analytics**
 - Real-time data processing;
 - Machine learning applications in V2X.
- **Integration with Autonomous Driving Systems**
 - Sensor fusion and data integration;
 - Decision-making algorithms.
- **Fifth-Generation and beyond for V2X**
 - Implementation challenges;
 - Performance evaluations.
- **Testing and Validation**
 - Simulation models;
 - Field trials and pilot studies.
- **Regulatory and Policy Considerations**
 - Compliance with global standards;
 - Impact assessments.

Guest Editors

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Deadline for manuscript submissions

30 May 2026



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About the Journal

Message from the Editor-in-Chief

In response to economic, political, and environmental pressures, the automotive vehicle community is expanding its research, development, and production of more energysaving, environmentally friendly, and safer ground vehicles through vehicle electrification, powertrain hybridization, high-efficiency drivetrain, autonomous or automated driving, vehicle connectivity, and infrastructure.

Vehicles is a new open access and peer-reviewed international journal that will facilitate rapid publication of scholarly articles on studies related to ground vehicles. Its mission is to publish cutting edge articles, conference proceedings, and to organize Special Issues which highlight outstanding research on specific topics regarding all landbased vehicles with regards to the design, modeling and simulation, manufacture, testing, and operation and modification of those vehicles and their engineering systems.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the second half of 2025).