

CALL FOR PAPERS

IEEE Open Journal of Vehicular Technology

Special Issue on Vehicular Digital Twins: Architectures, Communication Protocols, and Applications for Internet of Vehicles Systems

With the convergence of digital modelling, 6G vehicular communication, and AI-driven autonomy, Vehicular Digital Twins (VDTs) are set to redefine how vehicles interact, adapt, and evolve in real-time. This special issue solicits high-quality contributions in systems, protocols, simulations, and real-world deployment of VDTs, with emphasis on vehicular technologies and secure communications.

We invite original contributions on, but not limited to:

- VDT architecture and multi-layer modelling
- Communication protocols (5G/6G, C-V2X) for real-time VDTs
- AI and ML for adaptive twin control
- Cybersecurity, quantum-safe VDT communication
- Blockchain and trust management
- Edge/cloud integration
- Use cases (e.g., fleet management, predictive maintenance, autonomous driving)

Submission Deadlines

- **Manuscript Due Date:** February 8, 2026 (extended)
- **Editorial decision – first round of review:** March 1, 2026
- **Deadline for resubmission for manuscripts with Reject & Resubmit editorial decision:** May 1, 2026
- **Final editorial decision:** June 1, 2026
- **Tentative Publication Date:** July/August 2026

Submission Guidelines

Prospective authors should: review the authors instructions and paper submission instructions at <https://vtsociety.org/publication/ieee-ojvt/author-instructions> and <https://vtsociety.org/publication/ieee-ojvt/paper-submission>, respectively. Initial submissions may have up to 14 pages.

Authors should submit a manuscript through <https://ieee.atyponrex.com/submission/dashboard?siteName=oijt>

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