

## Special Issue

# Intelligent Connected Vehicles: Technologies, Applications and Challenges

### Message from the Guest Editors

Intelligent Connected Vehicles (ICVs) integrate vehicular communication, AI, sensing, edge/cloud computing, IoT, cybersecurity, and data-driven decision-making to support emerging applications, reshaping vehicular networks, autonomous mobility, traffic management, cooperative driving, V2X communication, and smart transportation.

This Special Issue provides a platform for researchers and practitioners to present advances and future perspectives in intelligent connected mobility. Scope includes: AI-enabled vehicular systems, machine/deep learning, vehicular ad hoc networks, 5G/6G communication, edge intelligence, digital twins, intelligent transportation systems, autonomous driving, sensor fusion, vehicle health monitoring, traffic prediction, energy-efficient mobility, and smart infrastructure.

We also welcome studies on real-world deployment challenges: communication reliability, latency, interoperability, privacy, cybersecurity, trust management, data quality, scalability, safety assurance, and regulatory considerations.

We invite high-quality submissions contributing to the design, optimization, deployment, and evaluation of next-generation ICVs and future smart mobility.

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### Guest Editors

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### Deadline for manuscript submissions

15 December 2026



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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