

Special Issue

Wireless Communication Technology in Intelligent Transport Systems

Message from the Guest Editors

The aim of this Special Issue is to attract and publish high-quality peer-reviewed papers in the area of intelligent transportation systems. The guest editorial board invites researchers and industrial experts to submit interesting and innovative contributions and surveys covering all aspects of next-generation wireless communication technologies such as 4G/5G/6G, VLC, mmWave, together with advanced computing and AI applied in the context of transportation systems. The scope of this Special Issue includes but is not limited to:

- Wireless communication technologies for ITS (4G/5G/6G, Wi-Fi, VLC, mmWave, etc.);
- Vehicular heterogeneous networks and management (technology selection, routing, IPv6, NDN, ICN);
- Softwarization/virtualization solutions for vehicular communications (SDN, NFV, MEC, cloud);
- Artificial intelligence for vehicular communications;
- Solutions for security and privacy protection (PKI, IPsec, VPN, TLS, and blockchain);
- Simulations, experimentations, and field tests;
- Standardization activities;
- C-ITS applications and their enablers (collective perception, maneuver coordination, platooning, remote driving)

Welcome to contribute.

Guest Editors

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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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).