

Special Issue

Emerging Communication Technologies for Cooperative Intelligent Transportation Systems

Message from the Guest Editor

This Special Issue of *Electronics* focuses on advancing Cooperative Intelligent Transportation Systems (C-ITS) as part of smart city initiatives. As cities increasingly adopt digital twins—virtual representations of urban environments—this Special Issue addresses the challenges of real-time monitoring, localization, and synchronization across heterogeneous sensor systems to support urban mobility. Contributions to this Special Issue may include the following:

- Innovative Communication Protocols and Standards
- Advanced Sensor Design and Data Integration
- Localization and Mapping Algorithms
- Machine Learning Models for Traffic Prediction
- Interoperability and Data Exchange Frameworks
- Digital City Twins for Traffic Simulation and Optimization
- Urban-Optimized Communication Technologies
- Data Processing and Real-Time Analytics
- Advanced Connectivity Solutions

Guest Editor

Dr. Guido De Angelis

ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Lungotevere Thaon di Revel, 76, I-00196 Rome, Italy

Deadline for manuscript submissions

closed (15 April 2026)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).