

## Special Issue

# Emerging Trends and Applications in Vehicular Ad Hoc Networks

### Message from the Guest Editors

Vehicular ad hoc networks (VANETs) are an active area of research due to their major role in improving road safety, traffic efficiency, and convenience along with comfort to both drivers and passengers. VANETs consist of vehicles whose movements are restricted to road layouts and fixed nodes in the form roadside units, which are used to improve connectivity and service provision. VANETs exhibit a highly dynamic and rapidly changing topology, with frequent communication disconnections. These characteristics create unique challenges and opportunities to investigate. This Special Issue aims at bringing together researchers, academicians, scientists, and students to exchange their ideas, experiences, and latest research results on VANETs and their applications. The topics of this Special Issue include, but are not limited to, the following:

- Technologies and standards;
- Architectures, protocols, and algorithms;
- Data management and analytics;
- Network performance;
- Modeling and simulation;
- Services and applications;
- Security, privacy, and trust;
- Artificial intelligence for VANETs;
- Prototypes, testbeds, and case studies.

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### Guest Editors

Dr. Manuel Jesus-Azabal

Prof. Dr. Vasco N. G. J. Soares

Dr. Adriano Raposo

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### Deadline for manuscript submissions

15 March 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

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