

Special Issue

Featured Review Papers in Electrical and Autonomous Vehicles

Message from the Guest Editors

The transportation sector is currently undergoing substantial changes driven by technological advancements in electrical and autonomous vehicles. Electric vehicles have right now a big impact on all kinds of transport activity. The technological advancements in various components such as power converters, energy storage systems, charging systems, control techniques or hybrid energy management systems, together with reduced manufacturing costs, have facilitated the development and commercialization of all kinds of electric vehicles (bicycles, motorcycles, cars, buses, etc). Autonomous vehicles offer an impressive potential impact on mobility and are expected to fully transform our daily lives, although they are still in an early stage of development and implementation, and some improvements are still required for their wide deployment. Control techniques, connection requirements and, particularly, safety issues are key aspects that this technology has yet to solve. The purpose of this Special Issue is to publish insightful and prominent original review papers discussing key topics in the field. We expect these papers to be widely read and highly influential.

Guest Editors

Prof. Dr. Sergio Busquets-Monge

Dr. Salvador Alepuz

Dr. Joan Nicolás-Apruzzese

Dr. Daniel Gutiérrez Reina

Deadline for manuscript submissions

closed (15 June 2025)



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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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