

Special Issue

Signal Processing and AI Applications for Vehicles, 2nd Edition

Message from the Guest Editors

In an era where technological advancements are reshaping the automotive industry, machine learning, and artificial intelligence have emerged as pivotal catalysts for transformation. Integrating these cutting-edge technologies into vehicles can revolutionize how we perceive, interact with, and utilize our automobiles. Advancements in machine learning and AI have enabled vehicles to become more than just modes of transportation. They are evolving into intelligent systems capable of autonomous navigation, predictive maintenance, adaptive driving, and personalized services. The potential impact of these technologies spans a wide array of domains, including driver-assistance systems, autonomous driving, vehicle-to-everything (V2X) communication, energy optimization, vehicle diagnostics, and connected car ecosystems. This Special Issue aims to provide a comprehensive platform for researchers, practitioners, and enthusiasts to delve into the diverse realms of machine learning and artificial intelligence within the context of vehicles.

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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.

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