

Special Issue

Advanced Technologies in Intelligent Transport Systems

Message from the Guest Editors

Automated vehicles, a leading technology in the transportation sector, hold the promise to transform mobility and the future of transportation. These vehicles have the potential to enhance road safety by eliminating human error, and they can drive more efficiently and safely than human-operated vehicles. The innovative interactions between drivers and vehicles introduced by automation could shift the driver's role from active driving to passive monitoring and being a passenger.

- Human factors in vehicle automation.
- Human-centered design in vehicle automation.
- Artificial intelligence in vehicle automation.
- The impact of vehicle automation on carbon emissions.
- End-users' attitudes and acceptance of automated vehicles.
- Behavioral intention to use automated vehicles.
- Emerging mobility services with automated vehicles.
- Cybersecurity for connected and autonomous vehicles.
- Automated driving control algorithms.
- Interaction of automated vehicles with cyclists and pedestrians.
- Policy-related implications of automated vehicles.
- Ethical challenges of automated vehicles.
- Infrastructure for connected and automated vehicles.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 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.

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