



## Connected and Autonomous Vehicles in Mixed Traffic Systems

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### Message from the Guest Editors

As connected and automated vehicles (CAVs) gradually enter transportation systems, a transition period arises where CAVs with varying levels of automation and connectivity will coexist with human-driven vehicles (HDVs) in road networks. This coexistence gives rise to new and potentially complex interactions between CAVs at different levels of automation and HDVs, significantly impacting traffic safety, efficiency, and road capacity.

This Special Issue of *Electronics* aims to present state-of-the-art papers in the domain of connected and automated vehicles and their impacts in mixed traffic systems. Topics include, but are not limited to, the following areas:

- Connection and automation technologies for connected and automated vehicles;
- Optimal control strategies of connected and automated vehicles for the driving performance of mixed traffic;
- Impacts of connected and automated vehicles in safety, travel efficiency, road capacity and fuel consumption;
- Theoretical and mathematical modelling of mixed traffic;
- Human behavioral adaptations in mixed traffic;
- Application of artificial intelligence in connected and automated vehicles;





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## Editor-in-Chief

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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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