

Special Issue

Safety Performance of Automated Vehicles considering Conflicts with Human Driven Vehicles and Vulnerable Road Users

Message from the Guest Editors

This Special Issue covers the different analysis that address the safety performance of AVs in mixed traffic streams considering conflicts with other road users. This special issue aims to shed light on the expected safety risks that AVs may encounter in real world traffic operations and how to enhance their control for safer operation. Thus, the topics of interest for this special issue include, but not limited to: (1) Road user perception and reaction to AVs (human driven vehicles, pedestrians, cyclists, etc.) (2) Simulation techniques for safety performance evaluation of AVs (3) Decision making and control design of AVs (4) Real-time motion planning for AVs (5) Risk assessment (6) Communication between AVs and road users

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