

Automatic Vehicle Speed Control System

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Abstract: *Due to the emergence of new technologies over the past decade, vehicle speed assistance systems in intelligent transportation systems have frequently been discussed. Up to now, a systematic literature review has not been presented to discover and evaluate the different vehicle speed assistance approaches for on-road vehicles in intelligent transportation systems. To overcome this issue, this research identified peer-reviewed articles published in the most well-known libraries from 2011 to 2020. 79 primary studies were then projected and a systematic analysis of the selected literature was conducted. The findings show different driving goals, namely eco-driving, safety, comfort, travel time improvement as well as the high-level objectives addressed by vehicle speed assistance systems. The analytical discussions are provided to show different perspectives, properties and limitations of the existing solutions. This analysis allows to provide future challenges and directions in this field of research.*

Keywords: vehicle speed assistance

