Vehicle platooning and automated industry - An innovative solution for BRT line a new challenge in Tehran Traffic

To solve problem of traffic saturation in cities, new alternatives must be considered. One of these alternatives is vehicle platooning which targets highways traffic reduction. Vehicle platooning is one of the innovations in automotive industry that aims to improve safety, efficiency, mileage, and time of travel of vehicles while addressing traffic congestion, decreasing fuel consumption, pollution and reducing stress for passengers. This paper presents main components of vehicle platooning and its possible application for use in Tehran Inner city highways. Vehicle platooning does not really need any infrastructure and basically concentrate on automotive industry. This can be an advantage for countries that can’t prepare needed infrastructure because of time and cost, Tehran is a good example of such case. Good progress and presence of automotive industry and also Information Technology in Iranian society will help for a possible deployment of VP, where IT is a major building block of vehicle platooning.

ITS, Vehicle platooning, automotive industry, automated highways system, traffic congestion.

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