Abstract

Nowadays the world became filled by several vulnerable problems that need to a quick solution and occupies the thinking of most people. From these problems the Road Network traffic crises that produces congestion, collision and … etc, thus a lot of issues are effected, such that working times, people psychology and so on. So we need to find an effective solution
under the world financial crisis circumstances and surrounding environment, means that a solution achieve low cost, where from the suggested solutions for reducing or facilitation the traffic motion problems mainly are depending on the mobile communication (cell phone, GPS, Satellite… etc.), but it need to more funding. We find that the Data Network can perform the wanted aim due to the fast development nowadays of the computer systems and technologies, where we look forward to reach to certain model based on complete mapping between all Road Network parameters and the corresponding in the Data Network. This paper will discuss a mapping between Road Network parameters and Data Network parameters that will be used to get the model.

Reference

- Techniques: a research proposal, Papers of the 25th Conference of Australian Institutes of Transportation Research, Adelaide, ogiatzis, N Since 2003
- Adaptive Cruise Control System Overview 5th Meeting of the U.S. Software System Safety Working Group April 12th-14th 2005 @ Anaheim, California USA.
- Mauro Montiglio, Stefania Martini, Vincenzo Murdocco DEVELOPMENT OF A LANE KEEPING SUPPORT SYSTEM FOR HEAVY-TRUCKS Centro Ricerche Fiat ScpA - Strada Torino 50, 10043 Orbassano (TO), Italy
- Traffic Crash Statistics, Missouri Department of Transportation, 2009 Missouri State high Way System.
- Objects and components in Locality-Scope, Papers of the Intelligent Vehicles and Road Infrastructure Conference, Melbourne, Vogiatzis, N Since 2005
- Challenges of Inter-Vehicle Ad Hoc Networks, IEEE Transactions on Intelligent Transportation Systems, Blum, J; Eskandarian, A and Hoffman, L Since 2004
- Modelling the SPA system for increased efficiency of signalised intersections using ITS vehicle control technologies, PhD thesis, Department of Information Technology, Engineering and the Environment: University of South Australia, Adelaide, Clement, S J Since 2003
- Evaluation of lane changing and merging in microsimulation models, Papers of the 27th Australasian Transport Research Forum (27), Adelaide, Hidas, P Since 2005
Road Traffic Modeling using Data Communication Networks


Index Terms

Computer Science

Wireless

Key words

Data Networks

Road Traffic

Switches

Routers

Network Protocols