Abstract

VANETS are considered as one of the most prominent technologies for improving the efficiency and safety of modern transportation systems. A VANET will be a major contribution toward the realization of Intelligent Transportation Systems. The main aim of VANET ranges from improved road safety, time critical safety applications, optimized traffic flow, delay tolerant, and infotainment and so on. High relative nodes pace and high active nodes mass has offered a typical challenges for connectivity within VANET. A lot of researches from the industry, academia, and standardized agencies to develop standards and prototypes for vehicular networks. In this paper, a complete survey on existing technologies in VANET is being presented.
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References

- VANET parameters and applications: A review Kamini Rakesh Kumar Vol. 10 Issue 7 Ver. 1. 0 September 2010 Global Journal of Computer Science and Technology
- "A novel approach for data acquisition and handover scheme in VANET" Shanmuga Priya PG scholar and Erana Veerappa Dinesh S, AP, Dept. of CSE, VPMM Engineering college for women, Krishnan Koil, India
- A comprehensive survey on vehicular Ad Hoc network Saif Al-Sultan, Moath M. Al-Doori, Ali H. Al-Bayatti, Hussien Zedan Software Technology Research Laboratory, De Montfort University, Bede Island Building, Western Boulevard, Leicester LE2 7EW, UK
- Applications of VANETs: Present & Future Vishal Kumar1, Shailendra Mishra1, Narottam Chand2
- "A novel approach for data acquisition and handover scheme in VANET" Shanmuga Priya PG scholar and Erana Veerappa Dinesh S, AP, Dept. of CSE, VPMM Engineering college for women, Krishnan Koil, India
- Infrastructure based Authentication in VANETs Brijesh Kumar Chaurasia1 and Shekhar Verma2 1,2 Indian Institute of Information Technology, Allahabad, India bkchaurasia@iiita.ac.in, sverma@iiita.ac.in in International Journal of Multimedia and Ubiquitous Engineering Vol. 6, No. 2, April, 2011 International Journal of Multimedia and Ubiquitous Engineering Vol. 6, No. 2, April, 2011
A Survey on Vanet Technologies

- VICS- Vehicle Information and Communication System. www.vics.or.jp/english/vics
- Dedicated Short-Range Communications (DSRC) communication architecture. http://www.wirelesscommunication.nl/reference/chaptr01/dtmmsyst/dsrc/dssr4.htm
- Y. L. Morgan. IEEE Communications Surveys & Tutorials, vol. 12, no. 4, Fourth Quarter 2010 notes on DSRC & WAVE standards suite: its architecture, design, and characteristics
- International Journal of Scientific & Engineering Research Volume 3, Issue 12, December-2012 1 ISSN 2229-5518
- An Evaluation study of WiMAX and WiFi on Vehicular Ad-Hoc Networks (VANETs) Muhammad Rizwan Arshad, Shahid Mehmood, Salman Afsar, Muhammad Azam Zia, Umar Farooq

**Index Terms**

Computer Science

Networks
Keywords
VANET (Vehicular Adhoc NETwork)   OBU (On Board Unit)   RSU (Road Side Unit)
AU (Application Unit)

DSRC (Dedicated Short Range Communication)