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硕士研究生学位论文阶段报告

学 号: 2015110248

姓 名: 贺辰枫

学 院: 信息与通信工程学院

专业(领域): 信息与通信工程

研究方向: 无线和移动通信理论与技术

导师姓名: 牛凯

北京邮电大学

2017年10月30日

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| 论文题目 | 车联网中的资源管理关键技术研究 | | |
| 论文类型 | 基础研究 | 选题来源 | 企、事业单位委托项目 |
| 开题日期 | 2017-01-10 | 是否开题题目 | 是 |
| 论文开始日期 | 2017-01-10 | 报告日期 | 2017-10-26 |
| 报告地点 | 科研楼-706 | 报告时间 | 上午 10:00-10:30 |
| **研究内容简介** | | | |

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| **论文进展情况** |
| **工作成果** |

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| **计划及进度安排** |
| **问题及整改方案** |

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| **参考文献**  [1]F. Martinez et al., “Emergency services in future intelligent transportation systems based on vehicular communication networks,”IEEE Trans. Intell. Transp. Syst. Mag., vol. 2, no. 2, pp. 6–20, Oct. 2010.  [2]G. Araniti, C. Campolo, M. Condoluci, A. Iera, and A. Molinaro, “LTE for vehicular networking: A survey,” IEEE Commun. Mag., vol. 51, no. 5, pp. 148–157, May 2013.  [3] J. Kenney, “Dedicated short-range communications (DSRC) standards in the United States,” Proc. IEEE, vol. 99, no. 7, pp. 1162–1182, Jul. 2011.  [4]Y. Bi, X. Ca, X. Shen, and H. Zhao, “Medium access control for QoS provisioning in vehicle to-infrastructure communication networks,”Mobile Netw. Appl., vol. 18, no. 2, pp. 174–185, Apr. 2008.  [5]H. Hartenstein and K. Laberteaux, “A tutorial survey on vehicular ad hoc networks,” IEEE Commun. Mag., vol. 46, no. 6, pp. 164–171, Jun. 2008.  [6]Y. Toor, P. Muhlethaler, and A. Laouit, “Vehicle ad hoc networks: Applications and related technical issues,”IEEE Commun. Surveys Tuts., vol. 10, no. 3, pp. 74–88, 3rd Quart. 2008.  [7]Olariu, S.; Weigle, M. Vehicular Networks: From Theory to Practice; Chapman & Hall/CRC Computer and Information Science Series; Taylor & Francis: Boca Raton, FL, USA, 2009.  [8]Hartenstein, H.; Laberteaux, K. VANET Vehicular Applications and Inter-Networking Technologies; Intelligent Transport Systems; Wiley: Chichester, UK, 2009.  [9]Papadimitratos, P.; de la Fortelle, A.; Evenssen, K.; Brignolo, R.; Cosenza, S. Vehicular communication systems: Enabling technologies, applications, and future outlook on intelligent transportation. IEEE Commun. Mag. 2009, 47, 84–95.  [10]A. Vinel, “3GPP LTE versus ieee 802.11 p/WAVE: which technology is able to support cooperative vehicular safety applications?,”IEEE Wireless Communications Letters, vol. 1, no. 2, pp. 125-128, Apr. 2012.  [11]W. Xing, N. Wang, C. Wang, F. Liu and Y. Ji, “Resource Allocation Schemes for D2D Communication Used in VANETs,”IEEE 80th Vehicular Technology Conference (VTC2014-Fall), pp. 1-6, Vancouver, BC, Sep. 2014.  [12]B. Bai, W. Chen, K. B. Letaief and Z. Cao, “Low Complexity Outage Optimal Distributed Channel Allocation for Vehicle-to-Vehicle Communications,”in IEEE Journal on Selected Areas in Communications,vol. 29, no. 1, pp. 161-172, Jan. 2011.  [13]R. Zhang, X. Cheng, Q. Yao, C. X. Wang, Y. Yang and B. Jiao, “Interference Graph-Based Resource-Sharing Schemes for Vehicular Networks,” in IEEE Transactions on Vehicular Technology, vol. 62, no. 8, pp. 4028-4039, Oct. 2013.  [14]F. Chiti, R. Fantacci, E. Dei and Z. Han, “Context aware clustering in VANETs: A game theoretic perspective,”IEEE International Conference on Communications (ICC), pp. 6584-6588, London, Jun. 2015.  [15]M. Botsov, M. Klugel, W. Kellerer, and P. Fertl, “Location dependent resource allocation for mobile device-to-device communications,” IEEE Wireless Communications and Networking Conference, Istanbul, Turkey, pp. 16791684, Apr. 2014.  [16]3GPP TR 36.885: “Study on LTE-based V2X Services”. |
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| **导师评语**  论文按照计划进行，工作量已经过半。 |
| 导师：  日期： 年 月 日 |
| **阶段报告小组意见：** |
| 负责人：  日期： 年 月 日 |
| **学院意见：** |
| 负责人：  日期： 年 月 日 （签章） |