

Referências Bibliográficas

- [ALE06] VARSHAVSKY, A.; CHEN, M. Y.; DE LARA, E.; FROEHLICH, J.; HAEHNEL, D.; HIGHTOWER, J.; LAMARCA, A.; POTTER, F.; SOHN, T.; TANG, K. ; SMITH, I.. **Are GSM phones THE solution for localization?** Mobile Computing Systems and Applications, IEEE Workshop on, 0:20–28, 2006. 2
- [ALP95] ALPERT, C. J.; KAHNG, A. B.. **Recent directions in netlist partitioning: a survey.** Integration, the VLSI Journal, 19(1-2):1 – 81, 1995. 4.2.2
- [AND95] ANDERSEN, J.; RAPPAPORT, T. ; YOSHIDA, S.. **Propagation measurements and models for wireless communications channels.** In: COMMUNICATIONS MAGAZINE, IEEE, volumen 33, p. 42–49, janeiro 1995. 2.1, 2.1
- [AND05] ANDA, J.; LEBRUN, J.; GHOSAL, D.; CHUAH, C. ; ZHANG, M.. **VGrid: vehicular adhoc networking and computing grid for intelligent traffic control.** In: IEEE 61ST VEHICULAR TECHNOLOGY CONFERENCE, volumen 5, p. 2905–2909, maio 2005. 1
- [BAI08] BAI, F.; KRISHNAN, H.; SADEKAR, V.; HOLL, G. ; ELBATT, T.. **Towards characterizing and classifying communication-based automotive applications from a wireless networking perspective.** 2008. 2.2
- [BAL07] BALDESSARI, R.; BODEKKER, B.; DEEGENER, M.; FESTAG, A.; FRANZ, W.; KELLUM, C.; KOSCH, T.; KOVACS, A.; LENARDI, M.; MENIG, C. ; OTHERS. **Car-2-Car Communication Consortium-Manifesto (Version 1.1).** In: IEEE VEHICULAR TECHNOLOGY CONFERENCE, 2007. 1
- [BAR00] BARRETT, C.; JACOB, R. ; MARATHE, M.. **Formal-language-constrained path problems.** SIAM J. Comput., 30(3):809–837, 2000. 4.2.2

- [BAR02] BARISONE, A.; GIGLIO, D.; MINCIARDI, R. ; POGGI, R.. **A macroscopic traffic model for real-time optimization of signalized urban areas.** In: DECISION AND CONTROL, 2002, PROCEEDINGS OF THE 41ST IEEE CONFERENCE ON, volumen 1, p. 900–903, dezembro 2002. 2
- [BEC03] BECHLER, M.; WOLF, L.; STORZ, O. ; FRANZ, W.. **Efficient discovery of internet gateways in future vehicular communication systems.** In: VEHICULAR TECHNOLOGY CONFERENCE, 2003. VTC 2003-SPRING. THE 57TH IEEE SEMIANNUAL, volumen 2, p. 965–969, abril 2003. 1
- [BEN04] BENSLIMANE, A.. **Optimized dissemination of alarm messages in vehicular ad-hoc networks (vanet).** LECTURE NOTES IN COMPUTER SCIENCE., p. 655–666, 2004. 1.1.2
- [BLU03] BLUM, J.; ESKANDARIAN, A. ; HOFFMAN, L.. **Performance characteristics of inter-vehicle ad hoc networks.** volumen 1, p. 114–119 vol.1, outubro. 2003. 2
- [BLU04] BLUM, J.; ESKANDARIAN, A. ; HOFFMAN, L.. **Challenges of intervehicle ad hoc networks.** IEEE Transactions on Intelligent Transportation Systems, (4), dezembro 2004. 2
- [BOU08] BOUKERCHE, A.; OLIVEIRA, H.; NAKAMURA, E. ; LOUREIRO, A.. **Vehicular ad hoc networks: a new challenge for localization-based systems.** Computer Communications, 31(12):2838–2849, 2008. 1
- [BOU08] BOUKERCHE, A.; OLIVEIRA, H. A. B. F.; NAKAMURA, E. F. ; LOUREIRO, A. A. F.. **Vehicular ad hoc networks: A new challenge for localization-based systems.** Computer Communication, 31(12):2838–2849, 2008. 2
- [BRU04] DE BRUIN, D.; KROON, J.; VAN KLAVEREN, R. ; NELISSE, M.. **Design and test of a cooperative adaptive cruise control system.** In: INTELLIGENT VEHICLES SYMPOSIUM, 2004 IEEE, p. 392–396, junho 2004. 2.2.1
- [CAF98] CAFFERY, J.; STUBER, G. L.. **Overview of radiolocation in CDMA cellular systems.** IEEE Communications Magazine, 36:38–45, 1998. 2
- [CAN01] CANO, J.; MANZONI, P.. **Evaluating the energy-consumption reduction in a MANET by dynamically switching-off network**

- interfaces. In: SIXTH IEEE SYMPOSIUM ON COMPUTERS AND COMMUNICATIONS, 2001. PROCEEDINGS, p. 186–191, 2001. 1
- [CAR94] CAR, A.; FRANK, A. U.. **Modelling a hierarchy of space applied to large road networks**. In: IGIS '94: PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON ADVANCED INFORMATION SYSTEMS, p. 15–24, Londres, Reino Unido, 1994. Springer-Verlag. 4.2.2
- [CAT01] CATHEY, F.; DAILEY, D.. **Transit vehicles as traffic probe sensors**. p. 579–584, 2001. 4.2.1
- [CHA58] CHANDLER, R. E.; HERMAN, R. ; MONTROLL, E. W.. **Traffic dynamics: Studies in car following**. *Operations Research*, 6(2):165–184, 1958. 4.1.2
- [COR06] CORDEIRO, C.; AGRAWAL, D.. **Ad hoc & sensor networks: theory and applications**. World Scientific, 2006. 1.1
- [COU03] COUGHLAN, J.; YUILLE, A.. **Manhattan World: Orientation and Outlier Detection by Bayesian Inference**, 2003. 5.1.2
- [CRE86] CREMER, M.; LUDWIG, J.. **A fast simulation model for traffic flow on the basis of boolean operations**. *Mathematical Computer Simulation*, 28(4):297–303, 1986. 4.1.2
- [DEG01] DEGLI-EPOSTI, V.; LOMBARDI, G.; PASSERINI, C. ; RIVA, G.. **Wide-band measurement and ray-tracing simulation of the 1900-MHz indoor propagation channel: comparison criteria and results**. In: ANTENNAS AND PROPAGATION, IEEE TRANSACTIONS ON, volumen 49, p. 1101–1110, julho 2001. 2.1
- [DRI04] DRICOT, J.-M.; DE DONCKER, P.. **High-accuracy physical layer model for wireless network simulations in ns-2**. p. 249–253, junho 2004. 4.1.1
- [ENK03] ENKELMANN, W.. **FleetNet-applications for inter-vehicle communication**. In: IEEE INTELLIGENT VEHICLES SYMPOSIUM, 2003. PROCEEDINGS, p. 162–167, 2003. 1
- [ERC97] ERCEG, V.; FORTUNE, S.; LING, J.; RUSTAKO, A.J., J. ; VALENZUELA, R.. **Comparisons of a computer-based propagation prediction tool with experimental data collected in urban microcellular environments**. In: SELECTED AREAS IN COMMUNICATIONS, IEEE JOURNAL ON, volumen 15, p. 677–684, maio 1997. 2.1

- [EUI98] HAN, E.-H. S.; KARYPIS, G.; KUMAR, V. ; MOBASHER, B.. **Hypergraph based clustering in high-dimensional data sets: A summary of results**. IEEE Bulletin of the Technical Committee on Data Engineering, 21, 1998. 4.2.2
- [FES08] FESTAG, A.; NOECKER, G.; STRASSBERGER, M.; LÜBKE, A.; BOCHOW, B.; TORRENT-MORENO, M.; SCHNAUFER, S.; EIGNER, R.; CATRINESCU, C. ; KUNISCH, J.. **NoW - Network on Wheels: Project Objectives, Technology and Achievements**. In: 6TH INTERNATIONAL WORKSHOP ON INTELLIGENT TRANSPORTATION (WIT), p. publicação pendente, março 2008. 1, 1.1
- [FLE96] FLEURY, B.; LEUTHOLD, P.. **Radiowave propagation in mobile communications: an overview of European research**. In: COMMUNICATIONS MAGAZINE, IEEE, volumen 34, p. 70–81, fevereiro 1996. 2.1
- [FRA02] SCHULZ, F.; WAGNER, D. ; ZAROLIAGIS, C.. **Using multi-level graphs for timetable information in railway systems**. Algorithm Engineering and Experiments, p. 43–59, 2002. 4.2.2
- [FUS05] FÜSSLER, H.; TORRENT-MORENO, M.; TRANSIER, M.; FESTAG, A. ; HARTENSTEIN, H.. **Thoughts on a protocol architecture for vehicular ad-hoc networks**. In: PROCEEDINGS OF 2ND INTERNATIONAL WORKSHOP ON INTELLIGENT TRANSPORTATION, p. 41–45, 2005. 1
- [GAZ59] GAZIS, D. C.; HERMAN, R. ; POTTS, R. B.. **Car-following theory of steady-state traffic flow**. Operations Research, 7(4):499–505, 1959. 4.1.2
- [GAZ61] GAZIS, D. C.; HERMAN, R. ; ROTHERY, R. W.. **Nonlinear follow-the-leader models of traffic flow**. Operations Research, 9(4):545–567, 1961. 4.1.2, 4.1.2
- [GIO04] GIORDANO, S.; STOJMENOVIC, I. ; BLAZEVIC, L.. **Position based routing algorithms for ad hoc networks: A taxonomy**. Ad Hoc Wireless Networking, p. 103–136, 2004. 1.1.1
- [GIP81] GIPPS, P.. **A behavioural car-following model for computer simulation**. Transportation Research Part B: Methodological, 15(2):105–111, abril 1981. 4.1.2

- [GIU05] GIUDICI, F.; PAGANI, E.. **Spatial and Traffic-Aware Routing (STAR) for Vehicular Systems**. LECTURE NOTES IN COMPUTER SCIENCE, 3726:77–86, 2005. 1.1.1, 3.1, 3.6, 4.1.1, 4.2.1
- [GOE03] GOEL, S.; IMIELINSKI, T.; OZBAY, K. ; NATH, B.. **Poster abstract: sensors on wheels—towards a zero-infrastructure solution for intelligent transportation systems**. In: PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON EMBEDDED NETWORKED SENSOR SYSTEMS, p. 338–339. ACM Nova Iorque, NY, EUA, 2003. 1
- [GON08] GONZÁLEZ, V.; SANTOS, A. L.; PINART, C. ; MILAGRO, F.. **Experimental demonstration of the viability of IEEE 802.11b based inter-vehicle communications**. In: TRIDENTCOM '08: PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON TESTBEDS AND RESEARCH INFRASTRUCTURES FOR THE DEVELOPMENT OF NETWORKS & COMMUNITIES, p. 1–7, ICST, Bruxelas, Belgium, 2008. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering). 2.1, 5.1.2
- [GRO85] GROSS, D.; HARRIS, C. M.. **Fundamentals of queueing theory (2nd ed.)**. John Wiley & Sons, Inc., Nova Iorque, NY, EUA, 1985. 5.2.6
- [GRO03] GROSSGLAUSER, M.; VETTERLI, M.. **Locating nodes with ease: Mobility diffusion of last encounters in ad hoc networks**. In: INFOCOM, 2003. 3, 4.2.1
- [HAL05] HALLE, S.; CHAIB-DRAA, B.. **A collaborative driving system based on multiagent modelling and simulations**. Transportation Research Part C, 13(4):320–345, 2005. 1, 2.2.1
- [HAR07] HARSCH, C.; FESTAG, A. ; PAPADIMITRATOS, P.. **Secure Position-Based Routing for VANETs**. In: 2007 IEEE 66TH VEHICULAR TECHNOLOGY CONFERENCE, 2007. VTC-2007 FALL, p. 26–30, 2007. 1
- [ISH91] ISHIKAWA, K.; OGAWA, M.; AZUMA, S. ; ITO, T.. **Map navigation software of the electro-multivision of the '91 toyoto soarer**. volumen 2, p. 463–473, outubro 1991. 4.2.2
- [ISK02] ISKANDER, M.; YUN, Z.. **Propagation prediction models for wireless communication systems**. In: MICROWAVE THEORY AND TECHNIQUES, IEEE TRANSACTIONS ON, volumen 50, p. 662–673, março 2002. 2.1

- [JAA05] JAAP, S.; BECHLER, M. ; WOLF, L.. **Evaluation of Routing Protocols for Vehicular Ad Hoc Networks in City Traffic Scenarios**. In: PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON INTELLIGENT TRANSPORTATION SYSTEMS TELECOMMUNICATIONS (ITST), BREST, FRANCE, junho 2005. 3
- [JAC99] JACOB, R.; MARATHE, M. ; NAGEL, K.. **A computational study of routing algorithms for realistic transportation networks**. J. Exp. Algorithmics, 4:6, 1999. 4.2.2
- [JAM98] JAMEEL, A.; STUEMPFLE, M.; JIANG, D. ; FUCHS, A.. **Web on wheels: Toward internet-enabled cars**. Computer, 31(1):69–76, 1998. 1
- [JAR92] JAROMCZYK, J.; TOUSSAINT, G.. **Relative neighborhood graphs and their relatives**. Proceedings of the IEEE, 80(9):1502–1517, 1992. 3.5.2
- [JER06] JERBI, M.; MERAIHI, R.; SENOUCI, S. ; GHAMRI-DOUDANE, Y.. **GyTAR: improved greedy traffic aware routing protocol for vehicular ad hoc networks in city environments**. Proceedings of the 3rd international workshop on Vehicular ad hoc networks, p. 88–89, 2006. 1, 3.1, 4.2.1
- [JIA06] JIANG, D.; TALIWAL, V.; MEIER, A.; HOLFELDER, W. ; HERRTWICH, R.. **Design of 5.9 Ghz DSRC-based vehicular safety communication**. Wireless Communications, IEEE, 13(5):36–43, outubro 2006. 2.2
- [JOH01] JOHNSON, D.; MALTZ, D.; BROCH, J. ; OTHERS. **DSR: The Dynamic Source Routing Protocol for Multi-Hop Wireless Ad Hoc Networks**. Ad Hoc Networking, 1:139–172, 2001. 1, 1.1, 3, 4.2.1
- [JOS02] JOSHI, R.. **Novel metrics for map-matching in in-vehicle navigation systems**. volumen 1, p. 36–43, junho 2002. 2
- [JUN96] JUNG, S.; PRAMANIK, S.. **Hiti graph model of topographical roadmaps in navigation systems**. In: ICDE '96: PROCEEDINGS OF THE TWELFTH INTERNATIONAL CONFERENCE ON DATA ENGINEERING, p. 76–84, Washington, DC, EUA, 1996. IEEE Computer Society. 4.2.2
- [KAI94] NAGEL, K.. **High-speed microsimulations of traffic flow**. PhD thesis, 1994. 4.1.2

- [KAP05] KAPLAN, E.; HEGARTY, C.. **Understanding GPS: Principles and Applications Second Edition**. Artech House, 680, 2005. 1, 1.1, 2, 3, 4.2.1
- [KAR97] KARYPIS, G.; AGGARWAL, R.; KUMAR, V. ; SHEKHAR, S.. **Multi-level hypergraph partitioning: application in VLSI domain**. In: DAC '97: PROCEEDINGS OF THE 34TH ANNUAL CONFERENCE ON DESIGN AUTOMATION, p. 526–529, Nova Iorque, NY, EUA, 1997. ACM. 4.2.2
- [KAR00] KARP, B.; KUNG, H.. **GPSR: greedy perimeter stateless routing for wireless networks**. In: PROCEEDINGS OF THE 6TH ANNUAL INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING, p. 243–254. ACM Press Nova Iorque, NY, EUA, 2000. 1.1.1, 1.2, 3, 4.1.1, 4.3
- [KAS02] MARKS, K. E.-S.; KASSABALIDIS, I.; EL-SHARKAWI, M. A.; II, R. J. M.; ARABSHAHI, P. ; GRAY, A. A.. **Adaptive-SDR: Adaptive swarm-based distributed routing**. In: IN IEEE WCCI 2002, IJCNN 2002 SPECIAL SESSION: INTELLIGENT SIGNAL PROCESSING FOR WIRELESS COMMUNICATIONS, p. 12–17, 2002. 4.2.6
- [KIE04] KIESS, W.; LER, H. F.; WIDMER, J. ; MAUVE, M.. **Hierarchical location service for mobile ad-hoc networks**. SIGMOBILE Mob. Comput. Commun. Rev., 8(4):47–58, 2004. 1, 3, 4.2.1
- [KIN06] KING, T.; FUESSLER, H.; TRANSIER, M. ; EFFELSBERG, W.. **Dead-reckoning for position-based forwarding on highways**. In: WIT 2006: PROCEEDINGS OF THE THIRD INTERNATIONAL WORKSHOP ON INTELLIGENT TRANSPORTATION, p. 199–204, 2006. 2
- [KO00] KO, Y.; VAIDYA, N.. **Location-Aided Routing (LAR) in mobile ad hoc networks**. Wireless Networks, 6(4):307–321, 2000. 3
- [KO99] KO, Y.; VAIDYA, N.. **Geocasting in mobile ad hoc networks: location-based multicast algorithms**. In: SECOND IEEE WORKSHOP ON MOBILE COMPUTING SYSTEMS AND APPLICATIONS, 1999. PROCEEDINGS. WMCSA'99, p. 101–110, 1999. 1.1
- [KRA98] KRAUSS, S.. **Microscopic Modeling of Traffic Flow: Investigation of Collision Free Vehicle Dynamics**. PhD thesis, 1998. 4.1.2, 5.1.1

- [KRA02] KRAJZEWICZ, D.; HERTKORN, G.; ROSSEL, C. ; WAGNER, P.. **SUMO (Simulation of Urban MObility); An open-source traffic simulation.** In: 4TH MIDDLE EAST SYMPOSIUM ON SIMULATION AND MODELLING (MESM2002), p. 183–187, Sharjah, Emirados Árabes Unidos, setembro 2002. 1.2, 5.1.1
- [LAH07] LAHDE, S.; DOERING, M.; PÖTTNER, W.-B.; LAMMERT, G. ; WOLF, L.. **A practical analysis of communication characteristics for mobile and distributed pollution measurements on the road.** 7(10):1209–1218, 2007. 5.1.1
- [LEO07] LEONTIADIS, I.; MASCOLO, C.. **GeOpps: Opportunistic Geographical Routing for Vehicular Networks.** In: IEEE WORKSHOP ON AUTONOMIC AND OPPORTUNISTIC COMMUNICATIONS, p. 1–6, junho 2007. 3.4
- [LEU94] LEUNG, K.; MASSEY, W. ; WHITT, W.. **Traffic models for wireless communication networks.** In: INFOCOM '94. NETWORKING FOR GLOBAL COMMUNICATIONS., 13TH PROCEEDINGS IEEE, volumen 3, p. 1029–1037, junho 1994. 2
- [LI00] LI, J.; JANNOTTI, J.; COUTO, D. S. J. D.; KARGER, D. R. ; MORRIS, R.. **A scalable location service for geographic ad hoc routing.** In: MOBICOM '00: PROCEEDINGS OF THE 6TH ANNUAL INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING, p. 120–130, Nova Iorque, NY, EUA, 2000. ACM Press. 1, 3, 4.2.1
- [LIA02] LIANG, S.; ZINCIR-HEYWOOD, A. N. ; HEYWOOD, M. I.. **Intelligent packets for dynamic network routing using distributed genetic algorithm.** In: GECCO '02: PROCEEDINGS OF THE GENETIC AND EVOLUTIONARY COMPUTATION CONFERENCE, p. 88–96, San Francisco, CA, EUA, 2002. Morgan Kaufmann Publishers Inc. 4.2.6
- [LIN89] LING, H.; CHOU, R.-C. ; LEE, S.-W.. **Shooting and bouncing rays: calculating the RCS of an arbitrarily shaped cavity.** In: ANTENNAS AND PROPAGATION, IEEE TRANSACTIONS ON, volumen 37, p. 194–205, fevereiro 1989. 2.1
- [LOC03] LOCHERT, C.; HARTENSTEIN, H.; TIAN, J.; FUSSLER, H.; HERMANN, D. ; MAUVE, M.. **A routing strategy for vehicular ad hoc networks in city environments.** Intelligent Vehicles Symposium, 2003. Proceedings. IEEE, p. 156–161, 2003. 4.2.1

- [LOC05] LOCHERT, C.; MAUVE, M.; FÜSSLER, H. ; HARTENSTEIN, H.. **Geographic routing in city scenarios**. ACM SIGMOBILE Mobile Computing and Communications Review, 9(1):69–72, 2005. 1
- [LOU53] PIPES, L. A.. **An operational analysis of traffic dynamics**. Journal of Applied Physics, 24(3):274–281, 1953. 4.1.2
- [LU06] LU, G.; MANSON, G. ; BELIS, D.. **Enhancing routing performance for inter-vehicle communication in city environment**. In: PROCEEDINGS OF THE ACM INTERNATIONAL WORKSHOP ON PERFORMANCE MONITORING, MEASUREMENT, AND EVALUATION OF HETEROGENEOUS WIRELESS AND WIRED NETWORKS, p. 82–89. ACM New York, NY, USA, 2006. 3
- [LUB98] LÜBECK, S.; SCHRECKENBERG, M. ; USADEL, K. D.. **Density fluctuations and phase transition in the Nagel-Schreckenberg traffic flow model**. Phys. Rev. E, 57(1):1171–1174, janeiro 1998. 4.1.2
- [MAE04] MAEKAWA, M.. **ITS (Intelligent Transportation Systems) Solutions**. NEC J Adv Technol, 1(3):194–199, 2004. 1
- [MAP09] MAPMECHANICS. **Gb traffic volumes**. <http://www.mapmechanics.com/>, Janeiro 2009. 4.2.1
- [MCC09] MCCANNE, S.; FLOYD, S.; FALL, K.; VARADHAN, K. ; OTHERS. **Network simulator ns-2**. The Vint project, available for download at <http://www.isi.edu/nsnam/ns>, janeiro 2009. 1.2, 5.1.1
- [MEL06] MELLO, H.; ENDLER, M.; DE SAO VICENTE, R. ; GAVEA, R.. **Identificação de Região de Congestionamento através de Comunicação Inter-Veicular**. In: 24 O SIMPOSIO BRASILEIRO DE REDES DE COMPUTADORES, volumen 1, p. 19–34, maio 2006. 1, 1.1.2, 2.2.2
- [MIN08] GONDRAN, M.; MINOUX, M.. **Graphs, Dioids and Semirings: New Models and Algorithms (Operations Research/Computer Science Interfaces Series)**. Springer Publishing Company, Incorporated, 2008. 4.2.2
- [NAG94] NAGEL, K.; PACZUSKI, M.. **Emergent traffic jams**. Physical Review E, 51(171):2909, 2918. 4.1.2
- [NAG92] NAGEL, K.; SCHRECKENBERG, M.. **A cellular automaton model for freeway traffic**. Journal de Physique I, 2(12):2221–2229, dezembro 1992. 4.1.2

- [NAK07] NAKAMURA, E. F.; LOUREIRO, A. A. F. ; FRERY, A. C.. **Information fusion for wireless sensor networks: Methods, models, and classifications**. ACM Comput. Surv., 39(3):9, 2007. 2
- [NAU06] NAUMOV, V.; BAUMANN, R. ; GROSS, T.. **An evaluation of inter-vehicle ad hoc networks based on realistic vehicular traces**. In: MOBIHOC '06: PROCEEDINGS OF THE 7TH ACM INTERNATIONAL SYMPOSIUM ON MOBILE AD HOC NETWORKING AND COMPUTING, p. 108–119, Nova Iorque, NY, EUA, 2006. ACM. 3
- [OTT09] OTTO, J. S.; BUSTAMANTE, F. E. ; BERRY, R. A.. **Down the block and around the corner – the impact of radio propagation on inter-vehicle wireless communication**. In: PROC. OF IEEE ICDCS, p. publicação pendente, junho 2009. 2.1
- [PER94] PERKINS, C.; BHAGWAT, P.. **Highly dynamic destination-sequenced distance-vector routing (DSDV) for mobile computers**. ACM SIGCOMM Computer Communication Review, 24(4):234–244, 1994. 1, 1.1
- [PER99] PERKINS, C.; ROYER, E.. **Ad hoc on-demand distance vector routing**. Proceedings of the 2nd IEEE Workshop on Mobile Computing Systems and Applications, 99:90–100, 1999. 1, 3, 4.2.1
- [PER01] PERKINS, C.. **Ad hoc networking: An introduction**. Ad Hoc Networking, p. 314–318, 2001. 1.1
- [RAP01] RAPPAPORT, T.. **Wireless Communications: Principles and Practice**. Prentice Hall PTR, Upper Saddle River, NJ, EUA, 2001. 2.1
- [REI02] REICHARDT, D.; MIGLIETTA, M.; MORETTI, L.; MORSINK, P. ; SCHULZ, W.. **CarTALK 2000: Safe and comfortable driving based upon inter-vehicle-communication**. In: IEEE INTELLIGENT VEHICLE SYMPOSIUM, 2002, volumen 2, p. 545–550, junho 2002. 1
- [ROB06] ROBINSON, C. L.; CAMINITI, L.; CAVENEY, D. ; LABERTEAUX, K.. **Efficient coordination and transmission of data for cooperative vehicular safety applications**. In: VANET '06: PROCEEDINGS OF THE 3RD INTERNATIONAL WORKSHOP ON VEHICULAR AD HOC NETWORKS, p. 10–19, Nova Iorque, NY, EUA, 2006. ACM. 2.2, 2.2.1
- [SAN00] SANTINI, S.. **Analysis of traffic flow in urban areas using web cameras**. p. 140–145, 2000. 4.2.1

- [SAN08] SANTA, J.; GÓMEZ-SKARMETA, A. ; SÁNCHEZ-ARTIGAS, M.. **Architecture and evaluation of a unified V2V and V2I communication system based on cellular networks.** *Computer Communications*, 31(12):2850–2861, 2008. 1
- [SCH93] SCHADSCHNEIDER, A.; SCHRECKENBERG, M.. **Cellular automation models and traffic flow.** *Journal of Physics A: Mathematical and General*, 26(15):L679–L683, 1993. 4.1.2
- [SCH95] SCHRECKENBERG, M.; SCHADSCHNEIDER, A.; NAGEL, K. ; ITO, N.. **Discrete stochastic models for traffic flow.** *Phys. Rev. E*, 51(4):2939–2949, abril 1995. 4.1.2
- [SEE04] SEET, B.; LIU, G.; LEE, B.; FOH, C.; WONG, K. ; LEE, K.. **A-STAR: A Mobile Ad Hoc Routing Strategy for Metropolis Vehicular Communications.** *LECTURE NOTES IN COMPUTER SCIENCE*, p. 989–999, 2004. 1.1.1, 3.1, 4.1.1, 4.2.1
- [SHA03] ZHAO, L.; OCHIENG, W. Y.; QUDDUS, M. A. ; NOLAND, R. B.. **An extended Kalman filter algorithm for integrating GPS and low cost dead reckoning system data for vehicle performance and emissions monitoring.** In: *THE JOURNAL OF NAVIGATION*, p. 257–275, 2003. 2
- [SHE93] SHEKHAR, S.; KOHLI, A. ; COYLE, M.. **Path computation algorithms for advanced traveller information system (ATIS).** In: *PROCEEDINGS OF THE NINTH INTERNATIONAL CONFERENCE ON DATA ENGINEERING*, p. 31–39, Washington, DC, EUA, 1993. IEEE Computer Society. 4.2.2
- [SHE97] SHEKHAR, S.; FETTERER, A. ; GOYAL, B.. **Materialization trade-offs in hierarchical shortest path algorithms.** In: *SSD '97: PROCEEDINGS OF THE 5TH INTERNATIONAL SYMPOSIUM ON ADVANCES IN SPATIAL DATABASES*, p. 94–111, Londres, Reino Unido, 1997. Springer-Verlag. 4.2.2
- [SIC08] SICHITIU, M.; KIHIL, M.. **Inter-vehicle communication systems: a survey.** *IEEE Communications Surveys & Tutorials*, 10(2):88–105, 2008. 1
- [SIN05] CHEUNG, S. Y.; COLERI, S.; DUNDAR, B.; GANESH, S.; TAN, C.-W. ; VARAIYA, P.. **Traffic measurement and vehicle classification with single magnetic sensor.** *volumen 1917*, p. 173–181, janeiro 2005. 4.2.1

- [SMA09] YAHOO!. **Smartview**. <http://maps.yahoo.com/smartview.php>, janeiro 2009. 4.2.1
- [SRI07] SRIDHARA, V.; BOHACEK, S.. **Realistic propagation simulation of urban mesh networks**. *Computer Networks*, 51(12):3392–3412, 2007. 1, 1.2, 2.1, 2.1
- [STA72] STARAS, H.; HONICKMAN, S.. **The accuracy of vehicle location by trilateration in a dense urban environment**. *Vehicular Technology, IEEE Transactions on*, 21(1):38–43, fevereiro 1972. 2
- [STI07] STIBOR, L.; ZANG, Y. ; REUMERMAN, H.-J.. **Neighborhood evaluation of vehicular ad-hoc network using IEEE 802.11p**. abril 2007. 2, 2.1
- [TAK94] TAKATOU, M.; TAKAHASHI, K.; HAMADA, N.; KITAMURA, T.; KIKUCHI, K.; TAKENAGA, H. ; MOROOKA, Y.. **Traffic flow measuring method and apparatus**, fevereiro 1994. 4.2.1
- [TIA03] TIAN, J.; HAN, L.; ROTHERMEL, K. ; CSEH, C.. **Spatially Aware Packet Routing for Mobile Ad Hoc Inter-Vehicle Radio Networks**. In: PROCEEDINGS OF THE IEEE INTELLIGENT TRANSPORTATION SYSTEM CONFERENCE (ITSC'03), 2003. 1.1, 1.1.1, 3.1
- [TIG08] U.S. CENSUS BUREAU, G. D.. **TIGER — Topologically Integrated Geographic Encoding and Referencing**. <http://www.census.gov/geo/www/tiger>, dezembro 2008. 1, 4.2.1
- [TOY08] MEDIA, T.. **Toyota and safety brochure**. http://www.toyota-media.com/ems_corp_v1_glen/Images/ToyotaAndSafety2008UK_tcm318-585453.pdf, dezembro 2008. 2.2.1
- [VAI00] KO, Y.; VAIDYA, N.. **GeoTORA: A protocol for geocasting in mobile ad hoc networks**. In: NETWORK PROTOCOLS, 2000. PROCEEDINGS. 2000 INTERNATIONAL CONFERENCE ON, p. 240–250, 2000. 1.1
- [WAN03] WANG, J.. **Load balancing in hop-by-hop routing with and without traffic splitting**. PhD thesis, Champaign, IL, EUA, 2003. Adviser-Nahrstedt, Klara. 4.2.6
- [WAN07] WANG, Z.; KULIK, L. ; RAMAMOHANARAO, K.. **Proactive traffic merging strategies for sensor-enabled cars**. In: VANET '07: PROCEEDINGS OF THE FOURTH ACM INTERNATIONAL WORKSHOP

- ON VEHICULAR AD HOC NETWORKS, p. 39–48, Nova Iorque, NY, EUA, 2007. ACM. 1, 1.1.2, 2.2.2, 2.2.2
- [WAN08] WANG, Y.; AHMED, A.; KRISHNAMACHARI, B. ; PSOUNIS, K.. **IEEE 802.11p performance evaluation and protocol enhancement**. p. 317–322, setembro CarTALK 2000: Safe and comfortable driving based upon inter-vehicle-communication 2008. 2
- [WEG06] WEGENER, A.; SCHILLER, E.; HELLBRÜCK, H.; FEKETE, S. P. ; FISCHER, S.. **Hovering data clouds: A decentralized and self-organizing information system**. p. 243–247, 2006. 5.1.1
- [WIS03] WISCHOFF, L.; EBNER, A.; ROHLING, H.; LOTT, M. ; HALFMANN, R.. **SOTIS - A self-organizing traffic information system**. In: VEHICULAR TECHNOLOGY CONFERENCE, 2003. VTC 2003-SPRING. THE 57TH IEEE SEMI-ANNUAL, volumen 4, p. 2442–2446, abril 2003. 1, 1.1.2, 2.2.2
- [YIN04] YIN, J.; ELBATT, T.; YEUNG, G.; RYU, B.; HABERMAS, S.; KRISHNAN, H. ; TALTY, T.. **Performance evaluation of safety applications over DSRC vehicular ad hoc networks**. In: VANET '04: PROCEEDINGS OF THE 1ST ACM INTERNATIONAL WORKSHOP ON VEHICULAR AD HOC NETWORKS, p. 1–9, Nova Iorque, NY, EUA, 2004. ACM. 1, 2.2
- [YUK95] YUKAWA, S.; KIKUCHI, M.. **Coupled-map modeling of one-dimensional traffic flow**. Journal of the Physical Society of Japan, 64(1):35–38, janeiro 1995. 4.1.2
- [ZHA07] ZHAO, M.; WANG, W.. **The Impacts of Radio Channels and Node Mobility on Link Statistics in Mobile Ad Hoc Networks**. In: IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, 2007. GLOBECOM'07, p. 1206–1210, 2007. 1
- [ZHA08] ZHAO, J.; CAO, G.. **VADD: Vehicle-Assisted Data Delivery in Vehicular Ad Hoc Networks**. Vehicular Technology, IEEE Transactions on, 57(3):1910–1922, 2008. 1, 3.1, 4.1.1, 4.2.1