

REFERENCE

- Abdul Azeez, K.H. and Miura, M. 2005. Evaluating transportation impact on environment in a residential area in Kuala Lumpur. *Proceedings of the Eastern Asia Society for Transportation Studies*, **Vol. 5**: pp. 1815 – 1826.
- Belcher, S. 2008. Letter to The Honorable Harry Reid, Majority Leader United States Senate, Intelligent Transportation 61. Society of America, Washington, D.C., <http://www.itsa.org/itsa/files/pdf/ITSAEconStimReid.pdf>.
- Bao, Y., Guojiang, W., Jiaming, Y. 2002. Overall Design of Xiamen City GPS Intelligent Vehicle Monitoring System”, Proceedings of the IEEE, *International Conference on Control and Automation*, pp. 887-891.
- Baronti, P., Prashant, P., Chook, V.W.C., Chessa, S., Gotta, A., Fun Hu, Y. 2007. Wireless sensor networks: wireless sensor networks: a survey on the state of the art and the 802.15.4 and ZigBee standards. *Computer Communications*, **30 (7)**: 1655–1695.
- Bong G.K., Yong H.S., Seon H.A., Kyung T.C., Bong G.L. 2007. Building BIS/BMS with Wireless Communication System in Korea. *IEEE Sixth International Conference on Advanced Language Processing and Web Information Technology*, ISBN: 978-0-7695-2930-1. pp 376-380.
- Chang, H.L. and Yeh, C.C. 2005. Factors affecting the safety performance of bus companies—The experience of Taiwan bus deregulation. *Safety Science*, **43**: 323–344.
- Chen, W., Chen, Y., Guo, D. 2010. Design and implementation of monitoring and management system for tank truck transportation. *WSEAS Transactions on Information Science and Applications*, **7(1)**: 26-35.
- Corsi, T.M., Newhouse, M.L., Shukla, A., Chandler, P. 2002. Passenger motor carriers: a safety performance profile. In: Zach Zacharia (Ed.), *Proceedings of International Truck and Bus Safety Research and Policy Symposium, Tennessee, USA*. pp. 523–548.
- Ezell, S. 2010. Explaining International IT Application Leadership: Intelligent Transportation Systems
- Fan, X. and Jiancheng, F. 2007. Velocity and position error compensation using strapdown inertial navigation system/celestial navigation system integration based on ensemble neural network. *Beijing University of Aeronautics and Astronautics, China*, pp. 302-307.

- Garmin GPS beginners' guide. 2008. <http://www.ananas-global.com/download/garmin/GPSUserManual.pdf>
- Greece: Athens in 21st century; Innovative Athens Guide. 2004. Accessed on 20 June, 2010. <http://www.athens-today.com/e-autobus.htm>.
- GR Reporter. 2011. 52 million euros for installing "smart" bus stops in Athens, the debts of public transport are growing. 23rd February, 2011. Accessed on 2nd March, 2011. <http://www.grreporter.info/en>.
- Gupta, D., Wu, D., Mohapatra, P., Chuah, C.N. 2010. A study of overheads and accuracy for efficient monitoring of wireless mesh networks. *Pervasive and Mobile Computing*, **6**: 93-111
- Guohua, Z., Li, M., Jingxia Wang, J., 2007. Application of the Advance Public Transport System in Cities of China and the Prospect of Its Future Development. *J Transp. Sys Eng & IT*, **7(5)**: 24–30.
- Gustavsson, P. 2005. Development of a MatLab-based GPS Constellation Simulation for Navigation Algorithm development. Master Thesis. University of Technology, Sweden.
- Herrera, J.C, Work, D.B., Herring, R., Ban, X., Jacobson, Q. and Bayen, A.M. 2010. Evaluation of traffic data obtained via GPS-enabled mobile phones: The Mobile Century field experiment. *Transportation Research Part C*, **18**: 568–583
- Hounsell, N.B., and McLeod, F.N. 1998. Automatic vehicle location and bus priority: the London system. *Selected Proc. 8th World Conference on Transport Research, Belgium*, **vol. 2**: pp. 279–292.
- Mahfiz bin Omar. 2006. Managing the Kuala Lumpur road network with the integrated transport information system. *PIARC International Seminar on Intelligent Transport System (ITS) In Road Network Operations, Malaysia*, 1-6
- Jedermann, R., Behrens, C., Westphal, D., Lang, W., 2006. Applying autonomous sensor systems in logistics – Combining sensor networks, RFIDs and software agents. *Sensors and Actuators A: Physical*, **132 (1)**: 370–375.
- Kim, B.G., Sim, Y.H., Ahn, S.H., Chu, K.T. and Lee, B.G. 2007. Building BIS/BMS with wireless communication system in Korea. *Sixth International Conference on Advanced Language Processing and Web Information Technology*, DOI 10.1109, pp.376-380.
- KL Structure Plan 2020. 2010. <Http://www.dbkl.gov.my/pskl2020/english/transportation>. Section: 10.2.1; c, ii; 393 Accessed on 01 January 2010.
- Lee, S.Y. and Han, S.W. 2003. Geospatial Construction Data Collection using GPS. *KSCE Journal of Civil Engineering*, **7(4)**: pp. 363-370

- Li, Z., Chen, W., 2005. A new approach to map-matching and parameter correcting for vehicle navigation system in the area of shadow of GPS signal. *Proceedings of IEEE Conference on Intelligent Transportation Systems*, pp. 425–430.
- Liu, L. and Amin, M.G. 2009. Tracking performance and average error analysis of GPS discriminators in multipath. *Signal Processing*, **89(6)**: Pp 1224-1239.
- Lu, M., Chen, W., Shen, X., Lam, H.C. and Liu, J. 2007. Positioning and tracking construction vehicles in highly dense urban areas and building construction sites. *Automation in Construction*, **16**: pp. 647–656.
- Marchal, F., Hackney, J., Axhausen, W., 2005. Efficient map matching of large Global Positioning System data sets tests on speed-monitoring experiment in Zurich. *Transportation Research Records*, 93–100.
- Mintsis, G., Basbas, S., Papaioannou, P., Taxiltaris, C., Tziavos, I.N., 2004. Applications of GPS technology in the land transportation system. *European Journal of Operational Research*, **152**: 399–409.
- Montgomery, D.C. 2005. Design and analysis of experiments. 5th edition. Wiley, Singapore.
- N.B. Hounsell, B.P. Shrestha, F.N. McLeod, S. Palmer, T. Bowen and J.R. Head. 2007. Using global positioning system for bus priority in London: traffic signals close to bus stops. *Special Issue: Selected papers from the 13th World Congress on Intelligent Transport Systems and Services, IET Intell. Transp. System*, **1 (2)**: pp. 131–137.
- Nagendra R. Velaga, Mohammed A. Quddus, Abigail L. Bristow. 2009. Developing an enhanced weight-based topological map-matching algorithm for intelligent transport systems. *Transportation Research Part C: Emerging Technologies*, **17**: 672–683
- Niu, H., Guan, W., Ma, J. 2009. Design and Implementation of bus monitoring system based on GPS for Beijing Olympics. *WRI World Congress on Computer Science and Information Engineering, csie*, **vol. 7**: pp.540-544.
- Noureldin, A., El-Shafie, A., Bayoumi, M. 2011. GPS/INS integration utilizing dynamic neural networks for vehicular navigation. Special Issue on Intelligent Transportation Systems. *Information Fusion*, **12(1)**: 48-57.
- Ochieng, W.Y., Quddus, M.A., Noland, R.B., 2004. Map matching in complex urban road networks. *Brazilian Journal of Cartography*, **55 (2)**: 1–18.
- Parallax GPS Manual. www.parallax.com/Portals/0/Downloads/docs/prod/acc/28505-RXM-SG-GPSModule-v1.0.pdf

- Qin, K., Xing, J., Chen, G., Wang, L. and Qin, J. 2008. The Design of Intelligent Bus Movement Monitoring and Station Reporting System. *Proceedings of the IEEE, International Conference on Automation and Logistics, China*, pp. 2822-2827.
- Quddus, M.A., Ochieng, W.Y., Zhao, L., Noland, R.B., 2003. A general map matching algorithm for transportation telematics applications. *GPS Solutions*, **7(3)**: 157–167.
- Quddus, M.A., Ochieng, W.Y., Noland, R.B., 2007. Current map matching algorithm for transport applications: state-of-the art and future research direction. *Transportation Research Part C: Emerging Technologies*, **15**: 312–328.
- Raymond, H. Myers and Douglas, C. Montgomery. 2002. Response surface methodology: Process and product optimization using designed experiments, 2nd edition, John Wiley and Sons, USA.
- Rowland, H. and Antony, J. 2003. Application of design of experiments to a spot welding process. *Assembly Automation*. **23(3)**: 273 – 279.
- Ruiz-Garcia, L., Barreiro, P., Robla, J.I. 2008. Performance of ZigBee-Based wireless sensor nodes for real-time monitoring of fruit logistics. *Journal of Food Engineering*, **87**: 405–415.
- Sharaf, R. Noureldin, A. 2007. Sensor integration for satellite-based vehicular navigation using neural networks. *IEEE Transactions on Neural Networks*, **18(2)**: 589 – 594.
- Sheth, C., Triantis, K., Teodorovic, D. 2007. Performance evaluation of bus routes: A provider and passenger perspective. *Transportation Research Part E*, **43**: 453–478.
- Soo Thong, S.T., Han, C.T. and Rahman, T.A. 2007. Intelligent Fleet Management System with Concurrent GPS & GSM Real-Time Positioning Technology, 1-4244-11 78-5/07.
- Syed, S., Cannon, M.E., 2004. Fuzzy logic-based map matching algorithm for vehicle navigation system in urban canyons. Proceedings of Institute of Navigation (ION) National Technical Meeting, California. pp.1-12.
- Taylan Öcalan and Nursu Tunaliolu. 2010. Data communication for real-time positioning and navigation in global navigation satellite systems (GNSS)/continuously operating reference stations (CORS) networks. *Scientific Research and Essays*, **Vol. 5(18)**: ISSN 1992-2248 pp. 2630-2639.
- United States Government Accountability Office (GAO). 2009. SURFACE TRANSPORTATION: Efforts to address highway congestion through Real-time traffic information systems are expanding but face implementation challenges. Report to Congressional Requesters. GAO-10-121R.

- Villar, J., Otero, A., Otero, J. and Sanchez, L. 2009. Taximeter verification using imprecise data from GPS. *Engineering Applications of Artificial Intelligence*, **22**: 250–260.
- Wang, N., Zhang, N., Wang, M. 2006. Wireless sensors in agriculture and food industry; recent development and future perspective. *Computer and Electronics in Agriculture*, **50**: pp.1–14.
- Wang, J., Pang, M., Zhang, H., Zhang, D. 2010. Application of data warehouse technique in intelligent vehicle monitoring system. *Proceedings of the Ninth International Conference on Machine Learning and Cybernetics*, pp.1007-1010.
- White, C.E., Bernstein, D., Kornhauser, A.L. 2000. Some map matching algorithms for personal navigation assistants. *Transportation Research Part C: Emerging Technologies*, **8 (1)**: pp.91–108.
- Xuesong, S., Wu, C. and Ming, L. 2008. Wireless Sensor Networks for Resources Tracking at Building Construction Sites, *Tsinghua science and technology*, ISSN 1007-0214 13/67, Volume **13 (S1)**: pp78-83
- Yang, D., Cai, B., Yuan, Y. 2003. An improved map-matching algorithm used in vehicle navigation system. *Proceedings of IEEE Conference on Intelligent Transportation Systems*, pp.1246–1250.
- Zhao, L., Ochieng, W.Y., Quddus, M.A., Noland, R.B. 2003. An extended Kalman filter algorithm for integrating GPS and low cost dead-reckoning system data for vehicle performance and emissions monitoring. *Journal of Navigation*, **56**: 257–275.
- Zhu, C. and Rajamani, R. 2006. Global positioning system-based vehicle control for automated parking. *IMEchE: J. Automobile Engineering, Part D*, **Vol. 220**: DOI: 10.1243/095440705X69669. pp. 37-52.