

References

- [1] Abbott, E and Powell, D, "Land-vehicle Navigation using GPS," *Proc. of the IEEE*, vol.87, no.1, pp.145-162, 1999.
- [2] Bhawani Selvaretnam, K. Daniel Wong, "Handling the inter-vehicular communications Challenge- A Survey," *Proceedings of the International Conference on Computational Science (ICCS)*, pp.86-90, 2004.
- [3] Devantech Ltd., Unit 2A-2B, Gilray Road, Diss, Norfolk, IP22 4EU, UK
- [4] LPRS Ltd., Two Rivers Industrial Estate, Station Lane, Witney, Oxon, OX28 4BH, UK
- [5] Hitec RCD USA, Inc., 12115 Paine St, Poway, CA 92064, USA.
- [6] I Chicasalita, N ShahMehri, "Active support for traffic safety applications through vehicular communications," *International Workshop on Trends in Information Systems*, Romania, 2002.
- [7] Horowitz, R, Varaiya, P, "Control design of an automated highway system," *Proceedings of the IEEE*, vol.88, no.7, pp.913-925, 2000.
- [8] J Ackermann, *et al.*, "Linear and Nonlinear Controller Design for Robust Automatic Steering," *IEEE Trans. Contr. Sys. Tech.*, vol.3, no.1, pp.132-143, 1995.
- [9] J Hancock, "Laser intensity-based obstacle detection and tracking," doctoral dissertation, tech. Report CMU-RI-TR-99-01, Robotics Institute, Carnegie Mellon University, 1999.
- [10] J H. Zhao, R. Shibasaki, "Reconstructing Urban 3D Model Using Vehicle-Borne Laser Range Scanners," *3dim, Third International Conference on 3-D Digital Imaging and Modeling (3DIM '01)*, pp.349, 2001.
- [11] J M Wang and R Rajamani, "Adaptive cruise control system design and its impact on highway traffic flow," *Proc. American Control Conf.*, Anchorage, AK, pp.3690-3695, 2002.
- [12] J S R. Jang, C T Sun and E Mizutani, *Neuro-fuzzy and soft computing*, Delhi: Pearson Education (Singapore) Pte. Ltd., pp.50-117,121-154,366,362-363, 2005.
- [13] Jun Luo and Jean-Pierre Hubaux. "A Survey of Inter-Vehicle Communication," Technical report IC/2004/24, School of computer and Communication Sciences, EPEL, 2004.

- [14] Lars Wischhof, Andre Ebner and Hermann Rohling, "Information dissemination in self-organizing intervehicle networks," *IEEE Trans. Intelligent Transp. Syst.*, vol.6, no.1, pp.1-4, 2005.
- [15] Savage Innovations, 906 Bob Wallace Avenue-Suite F, Huntsville, AL 35801, USA.
- [16] Agilent Technologies, Inc., 5301 Stevens Creek Blvd, Santa Clara, CA 95051, USA.
- [17] Paolo Fiorini and Zvi Shiller, "Motion planning in dynamic environments using the relative velocity paradigm," *Proc. of IEEE Intl. Conf. on Robotics and Automation*, vol.1, pp.560-565, 1993.
- [18] P Varaiya and S E Shladover, "Sketch of an IVHS systems architecture," Institute of Transportation Studies, University of California, Berkeley, Tech. Rep. UCB-ITS-PRR-91-3, 1991.
- [19] P Varaiya, "Smart cars on smart road: Problems of control," *IEEE Transactions on Automatic Control*, vol.38, no.2, pp.195-207, 1993.
- [20] Ravipriya Ranatunga, Sisil Kumarawadu, Pawan Lingras and Tsu-Tian Lee, "A new paradigm for intelligent collision avoidance via interactive and interdependent generic maneuvers," *Proc. IEEE Intl Conf. on Systems, Man & Cybernetics, Taipei*, 2006, -to be published.
- [21] Richard Bishop, "Intelligent Vehicle Applications Worldwide," *IEEE Intelligent Systems*, vol.5, no.1, pp.78-81, 2000.
- [22] Seiler P, Song B and Hedrick J K, "Development of a collision Avoidance System," Society of Automotive Engineers, Inc., Tech. Paper 98PC-417, 1998.
- [23] Sisil Kumarawadu and Tsu-Tian Lee, "Neuroadaptive combined lateral and longitudinal control of highway vehicles using RBF networks," *IEEE Trans. on Intelligent Transp. Syst*, vol.7, no.4, pp.500-512, 2006.
- [24] Taipale T and Hirai S, "A behavior-based control system applied over multi-robot system," *Proceedings of the 1993 IEEE/RSJ International Conference on Intelligent Robots and Systems, Yokohama, Japan*, pp.1941-1943, 1993.
- [25] Tsoukalas L H and Uhrig R E, *Fuzzy and Neural Approaches in Engineering*, John Wiley & Sons, Inc., NewYork, pp.191-288, 1997.
- [26] T W Vaneck, "Fuzzy guidance controller for an autonomous boat," *IEEE Control Systems*, vol.17, no.1, pp.44-47, 1997.

- [27] Wang C D, and Thompson J P, "Apparatus and method for motion detection and tracking of objects in a region for collision avoidance utilizing a real-time adaptive probabilistic neural network," US Patent No.5,613,039, 1997.
- [28] Wang J *et al.*, "Lane keeping based on location technology," *IEEE Transactions on Intelligent Transportation Systems*, vol.6, no.3, pp.351-356, 2005.
- [29] W. Kleinempel, "Automobile Doppler Speedometer," *Proc. IEE Vehicle Navigation & Information Systems Conf. Ottawa*, pp.509-512, 1993.
- [30] Wu Zhang, "Cooperatively controlled collision avoidance," *Proceedings of the IEEE Conference on Intelligent Transportation Systems*, pp.824-829, 1997.
- [31] A Bejan, R Lawrence, "Peer-to-peer cooperative driving," *Proceedings of ISICIS 2002: International Symposium on Computer and Information Sciences, USA, 2002*, pp.259-264.



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