

簡歷表

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學歷

- 92/9 – 98/6 國立交通大學
電機與控制工程博士
混沌系統與訊號處理實驗室
指導教授：吳炳飛 教授
- 87/9 – 89/6 國立中正大學
電機工程研究所，計算機、機電工程組，碩士
人工智慧實驗室
指導教授：劉立頌 教授
- 79/9 – 83/6 國立彰化師範大學
工業教育學系，電子工程組，學士

經歷

1. 國立彰化師範大學附屬高工教師兼教務處主任(106/8~現今)
2. 國立彰化師範大學附屬高工教師兼實習輔導處主任(105/8~106/7)
3. 國立彰化師大資訊工程學系兼任助理教授
4. 國立彰化師範大學附屬高工教師兼電子科主任(89/8~94/7) (99/8~105/7)
5. 國立彰化師範大學附屬高工教師兼導師(88, 96, 97, 98 學年度)
6. 國立彰化師範大學附屬高工教師(88/8~現今)
7. 國立彰化師範大學附屬高工國中技藝班電子組導師
8. 國立基隆海事職業學校教師(83~87)
9. 國立彰化師大附工輔導委員、特殊教育推行委員、課程發展委員會委員、校務發展委員會委員、創客研究社指導老師
9. 國際技能競賽金牌國手指導老師、彰化縣生涯發展教育及技藝教育專業知能研習講師
10. 教育部委辦「就業導向課程專班」計劃書審查委員、就業獎勵金審查委員、國教署委辦均衡教育發展獎學金審查委員。
11. 全國技能競賽裁判、全國教師甄試術科命題委員、試教委員

著作列表

(A) 、 Journal Papers :

Published and Accepted Referred International Journal Papers :

1. Bing-Fei Wu, Chuan-Tsai Lin, and Yen-Lin Chen, “**Dynamic Calibration and Occlusion Handling Algorithms for Lane Tracking**”, *IEEE Transactions on Industrial Electronics*, Vol. 56, No. 5, pp. 1757 – 1773, May 2009. (SCI, EI, 2008 IF=5.468, 2008 RF=2/229)
2. Bing-Fei Wu, Chuan-Tsai Lin, and Yen-Lin Chen, “**Robust Position Estimation and Analysis Based on a Camera Model with Dynamic Calibration for Driving Assistance Systems**”, *IEICE Transactions on Information and Systems*, Vol. E92-D, No. 9, pp. 1725-1735, Sep. 2009. (SCI, EI)
3. Yen-Lin Chen, Bing-Fei Wu, Chuan-Tsai Lin, Chung-Jui Fan, and Chih-Ming Hsieh, “**Real-time Vision-based Vehicle Detection and Tracking on a Moving Vehicle for Nighttime Driver Assistance**”, *International Journal of Robotics and Automation*, Vol. 24, No. 2, pp. 89-102, 2009. (SCI, EI)
4. Bing-Fei Wu, Chuan-Tsai Lin, and Chao-Jung Chen, “**Real-time Lane and Vehicle Detection Based on a Single Camera Model**,” accepted for publication in *International Journal of Computers and Applications*, Vol. 32, No. 2, pp. 149-159, 2010. (EI)
5. Bing-Fei Wu and Chuan-Tsai Lin, “**Real-Time Fuzzy Vehicle Detection Based on Contour Size Similarity**,” *International Journal of Fuzzy Systems*, vol. 7, No. 2, pp. 54-62, June 2005. (2008 後已列為SCI) (EI)

(B) 、 Conference Papers :

1. Yen-Lin Chen, Chuan-Tsai Lin, Chung-Jui Fan, Chih-Ming Hsieh, and Bing-Fei Wu, “Vision-based Nighttime Vehicle Detection and Range Estimation for Driver Assistance,” in *Proceedings of the 2008 IEEE International Conference on Systems, Man and Cybernetics(SMC2008)*, pp. 2988-2993, Oct. 2008.
2. Bing-Fei Wu, Chuan-Tsai Lin, and Yen-Lin Chen, “Robust Lane Tracking in Diverse Environmental Conditions,” in *Proceedings of the 16th National Conference on Fuzzy Theory and Its Applications*, pp. 121-126, Dec. 2008.
3. Bing-Fei Wu and Chuan-Tsai Lin, “Robust Lane Detection and Tracking for Driving Assistance Systems,” *Proceedings of the IEEE Syst., Man, Cybern. Symp.*, pp. 3848-3853, Oct. 2007.

4. 吳炳飛、林全財、陳彥霖，”基於視覺的車道偵測與追蹤演算法”，中華民國九十六年全國計算機會議(2007 National computer Symposium)，第 509~516 頁，2007 年 12 月。
5. 陳彥霖、謝至明、林全財、吳炳飛，”智慧型夜間駕駛安全輔助暨即時監控系統之研究”，中華民國九十六年全國計算機會議(2007 National computer Symposium)，第 517~530 頁，2007 年 12 月。
6. Bing-Fei Wu and Chuan-Tsai Lin, “Robust Image Measurement and Analysis Based on Perspective Transformations,” *Proceedings of the IEEE Syst., Man, Cybern. Symp.*, pp.2390-2395, Oct. 2006.
7. Bing-Fei Wu and Chuan-Tsai Lin, “A Fuzzy Vehicle Detection Based on Contour Size Similarity,” *Proceedings of the IEEE Intelligent Vehicles Symp.*, pp. 495-500, June 6-8, 2005.
8. Bing-Fei Wu, Chuan-Tsai Lin, and Chao-Jung Chen, “A Fast Lane and Vehicle Detection Approach for Autonomous Vehicles,” *Proceedings of the 7th IASTED International Conference on Signal and Image Processing*, pp. 305-310, August 15-17, 2005.
9. Bing-Fei Wu, Yen-Lin Chen, Yuan-Hsin Chen, Chao-Jung Chen, and Chuan-Tsai Lin, “Real-Time Image Segmentation and Rule-based Reasoning for Vehicle Head Light Detection on a Moving Vehicle,” *Proceedings of the 7th IASTED International Conference on Signal and Image Processing*, pp. 388-393, August 15-17, 2005, Honolulu, Hawaii, USA.
10. Chuan-Tsai Lin and Alan Liu, “A Study of a Dynamical Negotiation Architecture for Multi-Agent Systems”, *Proceedings of the 2000 International Computer Symposium workshop on Artificial Intelligence*, pp. 87-94, December 6-8, 2000, Chiayi, Taiwan, ROC.

(C)、專利

- 一、“車輛周圍障礙物之偵測方法及顯示方法”，吳炳飛、林全財，中華民國發明專利，發明第I 304776 號。

(D)、博碩士論文：

- **Chuan-Tsai Lin**, “A Study of Image Processing and Computer Vision Techniques for Driving Assistance Systems,” *Ph.D. Dissertation*, National Chiao Tung University, Taiwan, June, 2009.
- **Chuan-Tsai Lin**, “A Study of a Dynamical Negotiation Architecture for Multi-Agent Systems,” *Master Thesis*, National Chung Cheng University, Taiwan, June, 2000.

(E)、書籍著作：

- 林全財、鄭旺泉, CPLD 可程式邏輯設計, 台科大圖書股份有限公司, 台北, 2003.