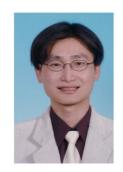# 簡歷表

姓　　　名： 　林全財（Chuan-Tsai Lin）
現　　　職： 　國立彰化師大附屬高工　電子科教師兼教務主任
通訊地址： （500）彰化市工校街 1 號
電　　話： 　04-7252541
電子郵件： 　Roylin@mail.sivs.chc.edu.tw

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

(A)、Journal Papers：

Published and Accepted Referred International Journal Papers：

1. Bing-Fei Wu, <u>Chuan-Tsai Lin</u>, 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, <u>Chuan-Tsai Lin</u>, 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, <u>Chuan-Tsai Lin</u>, 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, <u>Chuan-Tsai Lin</u>, 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 <u>Chuan-Tsai Lin</u>, "**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, <u>Chuan-Tsai Lin</u>, 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, <u>Chuan-Tsai Lin</u>, 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 <u>Chuan-Tsai Lin</u>, "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、<u>林全財</u>、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、<u>林全財</u>、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 <u>Chuan-Tsai Lin</u>, "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 <u>Chuan-Tsai Lin</u>, "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, <u>Chuan-Tsai Lin</u>, 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 <u>Chuan-Tsai Lin</u>, "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. <u>Chuan-Tsai Lin</u> 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)、<u>專利</u>

一、"車輛周圍障礙物之偵測方法及顯示方法"，吳炳飛、<u>林全財</u>，中華民國發明專利，發明第I 304776 號.

(D)、<u>博碩士論文：</u>

- **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.

<u>(E)</u>、<u>書籍著作：</u>

● 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.