

## 研究成果目錄：

### A. 期刊論文

1. Ing-Jr Ding, “Incremental MLLR Speaker Adaptation by Fuzzy Logic Control”, Pattern Recognition, vol. 40, no. 11, pp. 3110-3119, 2007. [SCI]
2. Ing-Jr Ding, “Fuzzy Logic Based Control for VFS Speaker Adaptation”, International Journal of Fuzzy Systems, vol. 10, no. 4, pp. 292-297, 2008. [SCI]
3. Yau-Tarng Juang, Kuo-Chang Huang and Ing-Jr Ding, “Speaker Adaptation Based on MAP Estimation Using Fuzzy Controller”, Pattern Recognition Letters, vol. 24, no. 15, pp. 2807-2813, 2003. [SCI]
4. Ing-Jr Ding, “Events Detection for Audio Based Surveillance by Variable-Sized Decision Windows Using Fuzzy Logic Control”, (submitted to Tamkang Journal of Science and Engineering, accepted to appear). [EI]
5. Ing-Jr Ding, “Improvement of MLLR Speaker Adaptation Using A Novel Method”, International Journal of Intelligent Technology, vol. 5, no. 1, pp. 12-17, 2009.

### B. 研討會論文

1. Ing-Jr Ding, “無線感測網路上結合音訊感知暨事件偵測機制之安全監控系統”, 2007 Conference of Digital Technology and Innovation Management (2007DTIM), 2007.
2. Ing-Jr Ding and Chi-Yuan Wang, “Active Video Recording System for Meeting”, WASN2006 研討會, August, 2006.
3. Ing-Jr Ding, Dr. Gary Tsai, Shih-Yuan Lin and Anil Kumar V, “XML Based GUI Systems for PMP”, WCEsp2006 研討會, November, 2006.
4. Ing-Jr Ding, “支持向量機在語者調適技術之應用”, 2005 資訊管理國際研討會, 2005.
5. Reui-Hong Yan, Chih-Hao Yu and Ing-Jr Ding, “Wireless Sensor Network Based Smart Community Security Service”, WASN2006 研討會, August, 2006.
6. Yau-Tarng Juang, Kuo-Chang Huang and Ing-Jr Ding, “Speaker Adaptation Based on MAP Estimation Using A Fuzzy Controller”, Proceedings of the 2002 Int. Computer Symposium, vol. 2, pp. 1620-1626, December, 2002.

### C. 專利

1. 丁英智, 「利用篩選過之語音資料以調整語音辨識模型之裝置、方法、應用程式及其電腦可讀取記錄媒體」(中華民國, 已獲證, 證書號: I311311,

20090621-20261115 )

2. 丁英智，「可動態決定視窗大小之聲音偵測裝置、方法、應用程式及其電腦可讀取記錄媒體」(中華民國，已獲證，證書號: I312981，20090801-20261129)
3. 丁英智，「用以處理與辨識一聲音訊號之裝置、伺服器、方法及其電腦可讀取記錄媒體」(中華民國，已獲公開，公開號：200923911)
4. Ing-Jr Ding, “Voice Detection Apparatus, Method, and Computer Readable Medium for Adjusting a Window Size Dynamically” (美國，已獲公開，公開號：20080133234)
5. Ing-Jr Ding, “Speech Recognition Device, Method, and Computer Readable Medium for Adjusting Speech Models with Selected Speech Data” (美國，已獲公開，公開號：20080120109)
6. Ing-Jr Ding, “Apparatus, Server, Method, and tangible machine-readable medium thereof for Processing and Recognizing a Sound Signal” (美國，已獲公開，公開號：20090132258)