## 參考文獻

- [1] M. Fujita, Y. Kuroki, T. Ishida and T.T. Doi, "A Small Humanoid Robot SDR-4X for Entertainment Applications," *International Conference on Advanced Intelligent Mechatronics*(AIM2003), pp. 938-943, 2003.
- [2] http://www.stdaily.com/big5/stdaily/2004-08/14/content\_286655.htm
- [3] <u>http://it.zaobao.com/pages4/tech310302.html</u>
- [4] R.L. Hsu, "Face Detection in Color Images," *IEEE Transaction on Pattern Analysis and Machine Intelligence*, vol.24, pp. 696-706, 2002.
- [5] D. Chai and K.N. Ngan, "Locating Facial Region of a Head-and-Shoulders Color Image," Proc. Third Int'l Conf. Automatic Face and Gesture Recognition, pp. 124-129, 1998.
- [6] H. Stern and B. Efros, "Adaptive Color Space Switching for Face Tracking in Multi-Colored Lighting Environments," Proc. of the Fifth IEEE International Conference on Autonomous Face and Gesture Recognition, 0-7695-1602-5/02, 2002.
- [7] Y.B. Lee, B.J. You and S.W. Lee, "A Real-time Color-based Object Tracking Robust to Irregular Illumination Variation," *Proc. to the 2001 IEEE International Conference on Robotics & Automation Seoul*, Korea – May 21-26, 2001.
- [8] C. Wengert, T. Fong, S. Grange, and C. Baur, "Human-Oriented Tracking for Human-Robot Interaction," *Proc. Int. Conf. on Multimodal Interfaces*, 2002.
- [9] M. DOI, FM. NAKAKITA, Y. AOKI and S. HASHIMOTO, "Real-time Vision System for Autonomous Mobile Robot," *IEEE International Worksop on Robot and Human Interactive Communication*, pp. 0-7803-7222-0, 2001.
- [10] K. Sobottka and I. Pitas, "Face Localization and Feature Extraction Based on Shape and Color Information," *Proc. IEEE Int'l Conf. Image Processing*, pp. 483-486, 1996.
- [11] I. Craw, D. Tock, and A. Bennett, "Finding Face Features," *Proc. Second European Conf. Computer Vision*, pp. 92-96, 1992.
- [12] M.H.Yang, D.J.Kriegman and N.Ahuja, "Detecting Faces in Images: A Survey," *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol.24, no.1, 2002.
- [13] C.C. Han, H.Y. Liao, G.J. Yu, and L.H. Chen, "Fast Face Detection via Morphology-based Pre-processing," *Pattern Recognition*, vol.33, pp. 1707-1712, 2000.

- [14] P. Viola and M. Jones, "Rapid Object Dectetion Using a Boosted Cascade of Simple Features," *Proc. IEEE Conf. on Computer Vision and Pattern Recognition*, 2001.
- [15] S. Birchfield, "An elliptical head tracker," *Proc. Conference Record of the Thirty-First Asilomar Conference on Signals, Systems & Computers*, pp. 1710-1714, 1997.
- [16] S.H. Kim and H.G. Kim, "Face Detection using Multi-model Information," Proc. Fourth IEEE International Conference Automatic Face and Gesture Recognition, pp. 14 – 19, 2000.
- [17] G.J. Jang and I.S. Kweon, "Robust Object Tracking Using an Adaptive Color Model," Proc. of the 2001 IEEE International Conference on Robotics & Automation Seoul, Korea – May 21-26, 2001.
- [18] L.Zhang and D.Samaras, "Face Recognition Under Varialbe Lighting using Harmonic Image Examples," *IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2003.
- [19] C.H. Morimoto and M. Flickner, "Real-time Face Detection Using Active Illumination," *Proceedings. Fourth IEEE International Conference*, pp. 8 – 13, 28-30 March 2000.
- [20] C. Garcia and G. Tziritas, "Face Detection Using Quantized Skin Color Regions Merging and Wavelet Packet Analysis," *IEEE Trans. On Multimedia*, vol.1, no.3, pp. 264-277, 1999.
- [21] P. Maragos, R.W. Schafer, "Morphological Systems for Multidimensional Signal Processing," *Proceedings of the IEEE*, vol. 78, Issue 4, pp. 690 – 710, 1990.
- [22] Wen-Jun Chen, "Face Recognition and Its Applications to Human-Robot Interaction," M.S. thesis, National Chiao Tung University, Hsinchu, Taiwan, Republic of China, June 2003.
- [23] TMS320C6000, Reference Guide, "TMSC6000 Peripherals Reference Guide, "Literature Number: SPRU190D, December 2002, Texas Instrument. Inc.
- [24] ICM205B, Datasheet, "VGA/QVGA CMOS image sensor with digital YUV output," Oct 2002, IC-MEDIA Corp.
- [25] Altera FLEX10K / FLEX10KE Emulation Board.
- [26] AL422B Data sheet, Data sheet, 2004, Aver Logic Inc
- [27] Altera University design laboratory package, User guide, 2001, Altera Corp.
- [28] TMS32C6000, Reference Guide, "TMSC6000 McBSP: UART," Literature Number: SPRA633B, May 2004, Texas Instrument Inc.

- [29] TMS320C6000, Application Report, "EMIF to External FIFO interface," Literature Number: SPRA543, May 1999, Texas Instrument Inc.
- [30] Andrian, Henrry, "An Embedded Image Processing Platform for a Mobile Manipulator," M.S. thesis, National Chiao Tung University, Hsinchu, Taiwan, Republic of China, July 2004.
- [31] TMS320C6000, Application Report, "Applications using the TMS320C6000 Enhanced DMA," Literature Number: SPRA636A, October 2001, Texas Instrument Inc.

