## Handprint Identification Using Fuzzy Inference

In this paper, a personal identification system based on handprintfeatures is presented. This system utilizes a CCD(Couple ChargedDevice) digital camera to capture a handprint image. Three differentfeatures are extracted from the image, which are WLIP(Wide IntegratedProfile), VWILP(Variation of WLIP), and FW(Finger Width). The similarity for each of the first two features and the dissimilarity for the third feature between two handprint images are measured using correlation functions and the Euclidean distance, respectively. Finally, the identification is accomplished by a fuzzy inference engine based on these similarity/dissimilarity measures. The experimental results indicate that the proposed method has demonstrated good performance in both identification rate and speed.