Abstract

Dynamic signature recognition is one of the commonly used biometric traits. In this paper we propose use of Gabor filters based feature for verification of dynamic signature. We incorporate the timing information available in the signature along with the Gabor filter response to generate the feature vector. Gabor filters have been widely used for image, texture analysis. Here we present analysis for the Gabor filter based feature vector of a dynamic signature.

Reference

- D. Hamilton, J. Whelan, A. McLaren, “Low cost dynamic signature verification system”,

10.5120/639-895

Authors:

H B Kekre
V A Bharadi

{tag}Gabor Filter Based Feature Vector for Dynamic Signature Recognition{tag}

- R. Doroz, K. Wrobel “Method of Signature Recognition with the Use of the Mean Differences”, Proceedings of the ITI 2009 31st Int. Conf. on Information Technology Interfaces, June 22-25, 2009,
- SVC (Signature Verification Competition) database available at the website: http://www.cse.ust.hk/svc2004/index.html
- C. Z. Wen, J.S. Zang, “Palmprint Recognition based on gabor Wavelets and 2-Dimensional PCA”, Proceedings of the 2007 International Conference on Wavelet Analysis
Gabor Filter Based Feature Vector for Dynamic Signature Recognition


Index Terms

Computer Science
Pattern Recognition

Key words

Gabor Filter
Dynamic Signature Recognition