Abstract

The person identification is an active area in research fields. many person identification techniques have been proposed in literature both in time domain and transformed domain. An improved various transformed domain techniques are proposed in this paper. This paper work also demonstrates the task of identifying the person with the various segments of ECG signals, and also investigates which segments of ECG signals has more person specific information by using transformational methods. A transformed domain technique includes discrete fourier transform, discrete cosine transform and discrete wavelet transform. An experimental results on ECG signals using transformed domain techniques demonstrates that the improvement of proposed techniques over those of time domain techniques.

References

Novel Transform Domain Techniques for Person Identification using ECG Signals


 Novel Transform Domain Techniques for Person Identification using ECG Signals

on, San Jose, CA, 2013, pp. 1-5.


Index Terms

Computer Science                   Signal Processing

Keywords

ECG person identification, CCORR, PRD, Wavlet distance measure.