Abstract

Biometric has revolutionized the Human Recognition Technology. The base and reach of human recognition system has been expanded by the innovative uses of Biometric devices. Human recognition have becomes one of the most well-off fields in the past ten years. Biometrics is the science of establishing the identity of an individual based on physical, chemical or behavioural attributes of the person; it deals with the automated recognition of individuals based on biological and behavioural characteristics. Biometrics spread its wings in a wide range of applications and found itself as a reliable source in fields such as electronic data security, ecommerce, internet access, physical access control, PDA, Government applications such as national ID card, social security, welfare-disbursement, border control, military surveillance, etc. As the application areas are emerging, the implementation of biometric systems in both commercial and government sectors is increasing and therefore leading to enormous security breaches in the installed systems. Currently, the most effective means of Human Recognition is to use biometric system. So while designing biometric system, security of the system is one of the factors which have to be considered along with the increasing performance at reasonable costs. The objective of this paper is to explore the potential of fast
Human Recognition Methods based on Biometric Technologies

developing Biometric systems such as fingerprints, face recognition, iris recognition for human identification. This paper discusses the main features of the biometric system: architecture, evaluation methodology used in these system and also various issues related to security of the biometric system.

References

- Marios Savvides, Jingu heo and Sung Won Park, "Face Recognition;" Dept. of electrical and computer engineering Carnegie Mellon University, Pittsburgh, pennsylvania, USA.
Index Terms

Computer Science

Security
Keywords
- Biometric
- Face Recognition
- Iris Recognitions
- template matching