Abstract

Modern biometric technologies claim to provide alternative solution to traditional authentication processes. Even though there are various advantages of biometric process, it is vulnerable to attacks which can decline it’s security. Different schemes are proposed to protect from different attacks. This paper presents biometric process, attacks on biometric process, study of different protection techniques used to protect against different attacks. The authors have designed protection model of bio-hashing technique using Session key. This key is generated using Chaos phenomenon.

Reference

- Intelligent system for information security Management: architecture & design issues by Marina Hentea in Informing science & information technology vol. 4 2007.
- Biometric risk and controls by Christos K. Dimitriadis in Information Systems control Journal Vol 4 2004
- Security of Biometric Authentication System By Parvathi Ambalakat Biometric 21st Computer Science Seminar One way hash functions based on neural network Shiguo Lian,Jinsheng sun, Zhiquan Wang
- Risk and Controls By Christos K. Dimitriadis , www.isaca.org
- Artificial neural network notes.

**Index Terms**

Computer Science  
Information Security

**Key words**

Security  
biometric

process

biometric template protection schemes

chaos phenomenon