An Intelligent Biometrics System

By A. Ghany, Kareem Kamal

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A Hybrid Approach | Securing an Information System is a big challenge nowadays because data become one of the important assets for any organization, so we should protect this asset by using any of the information security techniques such as biometrics, cryptography, .etc. Privacy and Security has become an increasingly serious problem for any biometric systems. Template protection, which mainly prevents from data loss and hacking the stored templates, is one of the most important issues when considering privacy and security. Cancelable biometrics approach Scheme has been proposed to address this problem. On the other hand, the symmetric hash functions might be used to increase the biometric security level by making it is hard to attack the template. In this book, we firstly applied a unimodal approach using bio-hash function as a cryptosystem based approach, then a new hybrid approach combining approaches based on transformation and cryptosystem on fingerprints is applied. The results are compared and showed that the new approach is more efficient as the security of biometric template is increased meanwhile the error rate is minimized. | Format: Paperback | Language/Sprache: english | 132 pp.

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