

Fingerprint quick identification algorithm

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Fingerprint is one of the most popular biometric techniques for identification and authentication that also reduce cost / time of searching data in large database. Fingerprint-based recognition systems are widely used in the field of biometrics. Most of the fingerprint sensors developed so far acquire fingerprint images through a solid plate of the surface, which degrades the recognition performance due to deformations. These deformations are caused by the pressure of the physical contacts that are costly and hard to estimate. Over the past several years several methods have been proposed for fingerprint identification, on the same way, this paper propose a new efficient method for fingerprint identification and corresponding result shows that proposed scheme is multiple times faster than previous scheme.

Biography

Vedpal Singh received the B. Tech (Computer Science and Engineering) degree from Uttar Pradesh Technical University (UPTU), Lucknow (U.P.), India in 2009. He completed M. Tech (Computer Engineering) from U.I.E.T., Kurukshetra University Kurukshetra, Haryana, India in 2011. Currently, he is doing Ph.D. by Research from Universiti Teknologi Petronas, Malaysia. His research areas are Smart Card Security Techniques, Biometrics Identification and Authentication Techniques, Image Processing, Medical Engineering, Cryptography and Emotion Engineering.

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