**Biometric Research Group**

**Multi-Biometric Authentication""**

**About**

Biometric systems are automated methods for authentication and identification of living individuals based on certain physical characteristics such as fingerprinting, the pattern of iris, and some of other features like hand-writing, and the switching.

Biometric methods are not the impeccable methods, in some cases they meet faults. What Biometrics Research Group of University of Science and Technology is trying to achieve, reduce errors and increase the reliability of biometric authentication systems.

The project which currently is under study is the fusion of different biometrics (at first priority fingerprinting ,Iris and, face image ) in order to achieve what was mentioned above.

Biometric laboratory of Iran University of Science and Technology establish on October 2013 under the supervision of Prof. Dr Morteza Analoui [analoui@iust.ac.ir](mailto:analoui@iust.ac.ir), currently the graduate students in computer engineering are cooperating to achieve the target.

**An abstract of our work**

The first attempts in multi-biometric laboratory was some research about the devices which was needed to provide. Then a Canon EOS 100D, a finger-printing scanner SF80, an Iris scanner IG-AD100 was provided. After more acquaintance about the devices and primary tests we started to collect the dataset based on measurements and stored dataset protocols. After a while, extracting the features of the dataset and then matching the single-biometric data and ultimately fusion, which is the most important part we want to achieve, have been done. This process is now continuing.



Multi-biometric research laboratory

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