

Power point Example

NEUROHEADWAY

Neuroscience Into Education

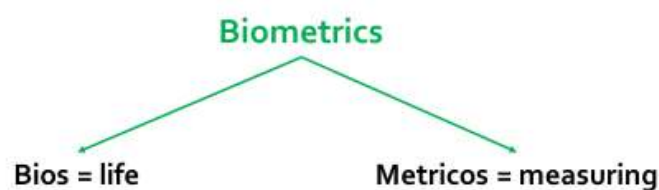
What you should know after this lecture?

- ✓What is Biometrics and why it can be used for human recognition?
- ✓Why Biometrics is more accurate than traditional authentication methods?
- ✓What are categories of Biometrics?
- ✓What are differences between Biometrics categories?
- ✓When Biometrics-based human recognition has been started? When first real Biometrics system was developed?

What is Biometrics?

Biometrics means **Biological Measurements**.

The name comes from GREEK **BIOS** and **METRICOS**.



Biometrics – Biometry – Biometric System

- ✓ **Biometrics** is a science which deals with the computer recognition of individuals based on biological and/or behavioral characteristics – Scientific follow-on Bertillon's body measurements of 1800s.
- ✓ **Biometry** – mathematical and statistical aspects of biology.
- ✓ **Biometric system** – essentially an automatic pattern recognition system that recognizes a person by determining the authenticity of a specific biological and/or behavioral characteristic (biometric) possessed by that person.

Why Biometrics?

Biometrics technologies are developing fast.

- Over the past 12 years, a growing number of innovative **real-world** biometrics technologies have begun to take the **place of our most commonly used identification systems**, entering the era of **security, convenience** and **user friendliness**.
- Modern biometrics are **more flexible** than their predecessors.
- They are capable of being **integrated into other systems**, the case that was unimaginable a few years ago.
- Biometrics systems can be used by children as young as **three years old**.

