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Overview

- Identification vs. Verification
- Types of biometrics
- Architecture and Processes
- Measuring biometrics: 7 criteria
- Pattern Recognition techniques
- Defeating biometrics

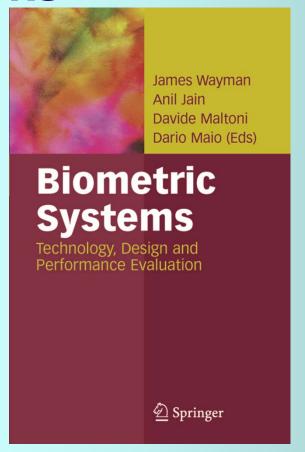


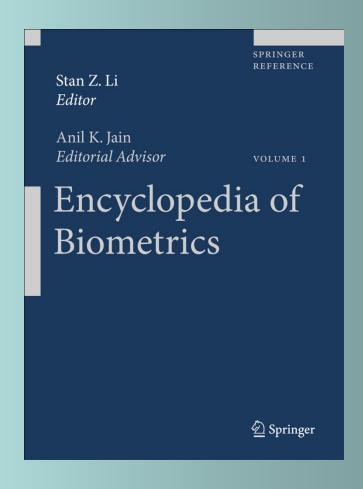




- Explain the different identification methods
- Describe the different types of biometrics
- Understand the process of performing a biometrics verification
- List the strengths/weaknesses of different biometrics
- Defend against common attacks
- Apply pattern recognition techniques for biometrics

Books





- Biometric Systems, Wayman, et al. Springer, 2005
- Encyclopedia of Biometrics, Li, Springer 2009

Also: Wikipedia entry →http://en.wikipedia.org/wiki/Biometrics







Human identification

• 1997 Movie:



- Discuss:
 - How do people recognize one another?
 - What if we lose this ability?

