SECURITY ASSESSMENT OF BIOMETRIC user identification systems should be conducted not only for accuracy of authentication, but also for security against fraud!

-Matsumoto

Matsumoto Fingerprint Paper

 Therefore, biometric systems must protect the information for biometrics against abuse, and they must also prevent fake biometrics.

Fingerprints can be Cloned!

- "We have used the moulds, which we made by pressing our live fingers against them, or by processing fingerprint images from prints on glass surfaces, or by processing impression of inked fingers.
- We describe how to make the moulds, and then show that the gummy fingers and conductive silicone fingers which are made with these moulds, can fool the fingerprint devices."

-Matsumoto

Final Notes on Authentication

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- Combining various authentication techniques Is more effective than using a single authentication technique.
- We have discussed some disadvantages of using biometric authentication alone.
- However, if you combine biometric authentication with another technique, such as a password or a token, then the authentication process becomes more effective.
- The term two-factor authentication (2FA) is used to describe the case in which a user is to be authenticated based upon two (independent) methods.
- ATM cards- another example of two-factor authentication at work.