



Biometrics For Dummies

By Peter Gregory, Michael A. Simon



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What is biometrics? Whether you're just curious about how biometrics can benefit society or you need to learn how to integrate biometrics with an existing security system in your organization, *Biometrics For Dummies* can help.

Here's a friendly introduction to biometrics — the science of identifying humans based on unique physical characteristics. With the government's use of biometrics — for example, biometric passport readers — and application of the technology for law enforcement, biometrics is growing more popular among security experts. *Biometrics For Dummies* explains biometric technology, explores biometrics policy and privacy issues with biometrics, and takes a look at where the science is heading. You'll discover:

- How pattern recognition and fingerprint recognition are used
- The many vulnerabilities of biometric systems and how to guard against them
- How various countries are handling the privacy issues and what can be done to protect citizens' privacy
- How a scan of the palm, veins in the hand, and sonar imagery establish identity
- What it takes to fully authenticate a signature
- How gait, speech, linguistic analysis, and other types of biometric identification come into play
- The criteria for setting up an implementation plan
- How to use authentication, authorization, and access principles

Written by a pair of security experts, *Biometrics For Dummies* gives you the basics in an easy-to-understand format that doesn't scrimp on substance. You'll get up to speed and enjoy getting there!



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Editorial Review

From the Back Cover

Dig into biometric identification the fun and friendly Dummies way!

Biometrics — the science of identifying humans based on unique physical characteristics — is growing in popularity among security experts and security-minded organizations. Once the realm of futurists and sci-fi, biometrics is now commonly used to reliably control whether to let you into a facility or allow you to use a computer system. Here's what it is, what it does, and how to use it.

- No lying eyes — how scans of the retina and iris establish a person's identity
- "Triple A" gets you there — understand how to use authentication, authorization, and audit principles
- Security vs. privacy — how various countries are handling the privacy issues and what can be done to protect citizens' privacy
- Ethics, please — understand the ethical issues raised by the growing use of biometric information
- Palm reading, 21st century style — how a scan of the palm, veins in the hand, and sonar imagery establish identity
- Sign here — what it takes to fully authenticate a signature
- Walk this way — using gait, speech, linguistic analysis, and other types of behavioral biometrics
- Securing the security — learn the many vulnerabilities of biometric systems and how to guard against them

Open the book and find:

- Behavioral as well as physiological biometric measures
- Tips for choosing the right biometric system
- What Triple A is and how to use it
- An overview of laws regarding biometrics
- How Heisenberg's Uncertainty Principle affects signatures
- Criteria for setting up an implementation plan
- How facial imaging is used
- A look at where biometrics is heading

About the Author

Peter Gregory, CISA, CISSP, is a security and risk manager for a financial services organization and the author of twenty books on security and technology.

Michael A. Simon is a security consultant with experience in the government, military, banking, nonprofit, law enforcement, healthcare, e-commerce, and telecommunications industries.

Users Review

From reader reviews:

Richard Swisher:

Have you spare time for just a day? What do you do when you have much more or little spare time? Yes, you can choose the suitable activity with regard to spend your time. Any person spent their particular spare time

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Roberto Garcia:

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