



Biometrics: Identity Verification in a Networked World

By Samir Nanavati, Michael Thieme, Raj Nanavati

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An insight into the biometric industry and the steps for successful deployment

Biometrics technologies verify identity through characteristics such as fingerprints, voices, and faces. By providing increased security and convenience, biometrics have begun to see widespread deployment in network, e-commerce, and retail applications. This book provides in-depth analysis of biometrics as a solution for authenticating employees and customers. Leading authority, Samir Nanavati explores privacy, security, accuracy, system design, user perceptions, and lessons learned in biometric deployments. He also assesses the real-world strengths and weaknesses of leading biometric technologies: finger-scan, iris-scan, facial-scan, voice-scan, and signature-scan. This accessible book is a necessary step in understanding and implementing biometrics.

Demystifies the complex world of optical networks for IT and business managers

Over the past few years, the cost of fiber optic networking has decreased, making it the best solution for providing virtually unlimited bandwidth for corporate LANs and WANs, metropolitan networks, Internet access, and broadband to the home. The only strategic book on optical networking technologies written from a real-world business perspective, Optical Networking demystifies complex fiber technologies for managers, and details the practical business benefits an optical network can offer. Debra Cameron explores established and emerging markets for optical networks as well as the enabling technologies, applications, network architectures, key deployment issues, and cost considerations. She also provides in-depth case studies of optical networks now in use in the United States and abroad.

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Editorial Review

Review

“...particularly relevant...questions are raised and useful answers given...the material is extensive...substantial and well-researched material...” (Computer Bulletin, May 2003)

From the Back Cover

An in-depth look at biometrics, focused on critical issues such as accuracy, privacy, technology capabilities, and cost-effective deployment

No longer a science fiction solution, biometric technologies are being deployed by thousands of companies and public agencies to increase security, protect personal information, and reduce fraud. Along with this broad-scale deployment comes a wide range of critical issues, including privacy risks, secure biometric system design, and the strengths and weaknesses of leading technologies such as finger-scan, iris-scan, facial-scan, voice-scan, and signature-scan. A full understanding of the biometric technologies, applications, and markets is required for successful utilization of biometrics in today's enterprise environment.

Written by leading industry authorities, this book provides you with everything you need to know about the technology, the industry, the applications, and the challenges that define biometrics today. It explains why institutions are turning to biometrics to authenticate employees, customers, and citizens in mission-critical applications. It also provides a broad conceptual understanding of the technology, explains specialized terms and concepts, and concludes with an analysis of the factors you must consider when designing, deploying, and maintaining biometric systems.

Reviewing large-scale project examples, the authors:

- * Discuss the metrics used to determine how well biometric systems operate
- * Define how biometric deployments can be privacy-enhancing or privacy-invasive
- * Dispel various myths and misunderstandings surrounding biometric technology
- * Address topics such as system components, data acquisition, template generation and matching, and typical deployments for each biometric technology

Wiley Tech Briefs

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About the Author

SAMIR NANAVATI is a founding partner of International Biometric Group, LLC, a biometric consulting and integration firm cofounded in 1996. Mr. Nanavati is cited frequently by several leading publications such as U.S. News & World Report, the New York Times, and The Industry Standard. He is also the author of fourteen analyses on the state of the biometric industry.

MICHAEL THIEME is a Senior Consultant with International Biometric Group. He has written extensively on a variety of biometric topics including IT security, deployment issues, and privacy. Mr. Thieme served on

the Biometric Interoperability Subcommittee of the GSA Smart Access project and is also a member of the ANSI NIST B10.8 Biometric Subcommittee as well as a founder of the BioPrivacy Initiative.

RAJ NANAVATI is a cofounding partner at International Biometric Group, LLC. He lectures extensively on the technical, business, and policy issues associated with using biometrics. He has been quoted extensively in major media publications, including the New York Times, and has been featured on National Public Radio. He has also submitted testimony on biometrics to Congress.

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Russell Bussey:

This Biometrics: Identity Verification in a Networked World book is not really ordinary book, you have after that it the world is in your hands. The benefit you will get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This Biometrics: Identity Verification in a Networked World without we realize teach the one who reading through it become critical in considering and analyzing. Don't be worry Biometrics: Identity Verification in a Networked World can bring if you are and not make your tote space or bookshelves' turn into full because you can have it within your lovely laptop even cellphone. This Biometrics: Identity Verification in a Networked World having fine arrangement in word in addition to layout, so you will not truly feel uninterested in reading.

Danielle Rhodes:

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Joseph Bolden:

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