

Biometrics

Advanced Identity Verification

The Complete Guide

Julian Ashbourn



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Biometrics Advanced Identity Verification The Complete Guide

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Biometrics Advanced Identity Verification The Complete Guide:

Biometrics: Advanced Identity Verification Julian Ashbourn, 2014-01-13 Biometric identity verification BIV offers a radical alternative to passports PIN numbers ID cards and driving licences It uses physiological or behavioural characteristics such as fingerprints hand geometry and retinas to check a person's identity It is therefore much less open to fraudulent use which makes it ideal for use in voting systems financial transactions benefit payment administration border control and prison access This is the first book to provide business readers with an easy to read non technical introduction to BIV systems It explains the background and then tells the reader how to get their system up and running quickly It will be an invaluable read for practitioners managers and IT personnel in fact for anyone considering or involved in implementing a BIV system Julian Ashbourn was one of the pioneers in integrating biometric technology and has provided input into many prototype BIV systems around the world

BANTAM User Guide Julian Ashbourn, 2013-03-09 BANTAM is the first modeling language specifically designed for applications in Biometrics and Token Technology It represents a significant step forward for the design and implementation of biometric and related technology applications in that it is very simple to learn and use it offers a consistent system of documentation and a clarity of presentation which make the accurate description of user requirements much easier it provides a complete methodology for managing the project from original business case through procurement and implementation to subsequent training and support The User Guide provides much more than just a guide to the Bantam methodology readers will also find lots of good advice on program management in general and will gain an insight into designing biometric and related applications It will be essential reading for anyone who is serious about biometrics and related technologies including governmental corporate end users systems integrators biometric vendors application developers and device manufacturers It will also be useful background reading for advanced students and IT and management consultants Reviews of Julian Ashbourn's first book *Biometrics Advanced Identity Verification* You could attend a dozen conferences and not come away with the kind of overview presented in this new book Dave Mintie Connecticut Department of Social Services a highly readable entertaining guidebook that should serve as a welcome companion for anyone who must promote explain justify or control an organization's transition to biometric technology Richard Norton Executive Director International Biometrics Industry Association

AI Based Advancements in Biometrics and its Applications Balasubramaniam S, Seifedine Kadry, A. Prasanth, Rajesh Kumar Dhanaraj, 2024-11-15 This book delves into the history of biometrics the different systems that have been developed to date problems that have arisen from these systems the necessity of AI based biometrics systems different AI techniques developed to date including machine learning deep learning natural language processing and pattern recognition their potential uses and applications security and privacy issues in AI based Biometric systems current trends in AI based biometrics and presents case studies of AI based biometrics

Biometrics Midori Albert, 2011-04-04 Biometrics Unique and Diverse Applications in Nature Science and Technology

provides a unique sampling of the diverse ways in which biometrics is integrated into our lives and our technology. From time immemorial we as humans have been intrigued by, perplexed by, and entertained by observing and analyzing ourselves and the natural world around us. Science and technology have evolved to a point where we can empirically record a measure of a biological or behavioral feature and use it for recognizing patterns, trends, and/or discrete phenomena such as individuals, and this is what biometrics is all about. Understanding some of the ways in which we use biometrics and for what specific purposes is what this book is all about.

Biometrics Yingzi (Eliza) Du, 2013-01-07. This book introduces readers to the basic concepts, classical approaches, and the newest design, development, and applications of biometrics. It also provides a glimpse of future designs and research directions in biometrics. In addition, it discusses some latest concerns and issues in this area. Suitable for a wide range of readers, the book explains

Complex, Intelligent and Software Intensive Systems Leonard Barolli, 2022-06-16. Software intensive systems are systems which heavily interact with other systems, sensors, actuators, devices, other software systems, and users. More and more domains are involved with software intensive systems, e.g., automotive, telecommunication systems, embedded systems, in general, industrial automation systems, and business applications. Moreover, the outcome of web services delivers a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than its components. Complex systems are very much characterized by the changing environments in which they act by their multiple internal and external interactions. They evolve and adapt through internal and external dynamic interactions. The development of intelligent systems and agents, which is each time more characterized by the use of ontologies and their logical foundations, builds a fruitful impulse for both software intensive systems and complex systems. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence, and cognitive sciences is a very important factor for the future development and innovation of software intensive and complex systems. The aim of the book *Complex Intelligent and Software Intensive Systems* is to deliver a platform of scientific interaction between the three interwoven challenging areas of research and development of future ICT enabled applications: software intensive systems, complex systems, and intelligent systems.

Securing Information and Communications Systems Steven Furnell, 2008. This one-stop reference gives you the latest expertise on everything from access control and network security to smart cards and privacy. Representing a total blueprint to security design and operations, this book brings all modern considerations into focus. It maps out user authentication methods that feature the latest biometric techniques followed by authorization and access controls including DAC, MAC, and ABAC, and how these controls are best applied in today's OCOs, relational and multilevel secure database systems.

Recent Application in Biometrics Jucheng Yang, Norman Poh, 2011-07-27. In the recent years, a number of recognition and authentication systems based on biometric measurements have been proposed. Algorithms and sensors have been developed to acquire and process many different biometric traits. Moreover, the biometric technology is being used in novel ways with potential commercial and

practical implications to our daily activities The key objective of the book is to provide a collection of comprehensive references on some recent theoretical development as well as novel applications in biometrics The topics covered in this book reflect well both aspects of development They include biometric sample quality privacy preserving and cancellable biometrics contactless biometrics novel and unconventional biometrics and the technical challenges in implementing the technology in portable devices The book consists of 15 chapters It is divided into four sections namely biometric applications on mobile platforms cancelable biometrics biometric encryption and other applications The book was reviewed by editors Dr Jucheng Yang and Dr Norman Poh We deeply appreciate the efforts of our guest editors Dr Girija Chetty Dr Loris Nanni Dr Jianjiang Feng Dr Dongsun Park and Dr Sook Yoon as well as a number of anonymous reviewers

Biometric Technology Mark Lockie, 2009-01-01 Examines ways in which an individual's identity can be verified different ways this information can be used and some issues concerning limitations and abuse of the technology

Biometric Authentication Virginio Cantoni, Dimo Dimov, Massimo Tistarelli, 2014-11-29 This book constitutes the proceedings of the First International Workshop on Biometric Authentication BIOMET 2014 which was held in Sofia Bulgaria in June 2014 The 16 full papers presented in this volume were carefully reviewed and selected from 21 submissions Additionally this volume also contains 5 invited papers The papers cover a range of topics in the field gait and behaviour analysis iris analysis speech recognition 3D ear recognition face and facial attributes analysis handwriting and signature recognition and multimodal and soft biometrics

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