

Read Online Biometric And Auditing Issues
Addressed In A Throughput Model

Biometric And Auditing Issues Addressed In A Throughput Model

Biometric and Auditing Issues Addressed in a
Throughput Model IAP

This book proposes a Throughput Model that draws from computer science, economic and psychology literatures to model perceptual and judgmental processes whereby biometrics might be used to reduce risks to a company's internal control. The book also discusses

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challenges in employing biometric technology and pinpoints avenues for future research. Biometrics is the examination of measurable biological characteristics. In organizational security, biometrics refers to tools that rely on measurable physical and behavioral characteristics that can be automatically checked. The Throughput Modeling process enables organizations to employ trust systems in assisting transactions that are motivated by ethical considerations. Auditing systems are by far based on trust. Concepts of ethics and trust are aided by the employment of biometrics technology, which enhances the

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transactions between individuals and organizations in an internal control environment. Issues pertaining to sustainability are also examined with the assistance of the Throughput Model. Finally, this book examines the potential use of an internal control biometrics system to lessen threats to identification and verification procedures. This book proposes an "Throughput Model framework" that considers both exposure and information risks as fundamental factors in classifying applications and organizational processes that might be candidates for the type of internal control

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biometrics system that biometrics can offer. Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides

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a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and

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organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Black Hat, Inc. is the premier, worldwide provider of security training, consulting, and conferences. In Black Hat Physical Device Security: Exploiting Hardware and Software,

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the Black Hat experts show readers the types of attacks that can be done to physical devices such as motion detectors, video monitoring and closed circuit systems, authentication systems, thumbprint and voice print devices, retina scans, and more. The Black Hat Briefings held every year in Las Vegas, Washington DC, Amsterdam, and Singapore continually expose the greatest threats to cyber security and provide IT mind leaders with ground breaking defensive techniques. There are no books that show security and networking professionals how to protect physical security devices. This

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unique book provides step-by-step instructions for assessing the vulnerability of a security device such as a retina scanner, seeing how it might be compromised, and taking protective measures. The book covers the actual device as well as the software that runs it. By way of example, a thumbprint scanner that allows the thumbprint to remain on the glass from the last person could be bypassed by pressing a "gummy bear" piece of candy against the glass so that the scan works against the last thumbprint that was used on the device. This is a simple example of an attack against a physical

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authentication system. First book by world-renowned Black Hat, Inc. security consultants and trainers First book that details methods for attacking and defending physical security devices Black Hat, Inc. is the premier, worldwide provider of security training, consulting, and conferences

Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications

High Performance Cloud Auditing and Applications

Handbook of Research on Securing Cloud-Based Databases with Biometric Applications

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Encyclopedia of Cryptography and Security
Design, Evaluation, and Data Mining
A Path Forward

Threatening the safety of individuals, computers, and entire networks, cyber crime attacks vary in severity and type. Studying this continually evolving discipline involves not only understanding different types of attacks, which range from identity theft to cyberwarfare, but also identifying methods for their

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prevention. Cyber Crime: Concepts, Methodologies, Tools and Applications is a three-volume reference that explores all aspects of computer-based crime and threats, offering solutions and best practices from experts in software development, information security, and law. As cyber crime continues to change and new types of threats emerge, research focuses on developing a critical understanding of different types of attacks and how they

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can best be managed and eliminated. FISCAM presents a methodology for performing info. system (IS) control audits of governmental entities in accordance with professional standards. FISCAM is designed to be used on financial and performance audits and attestation engagements. The methodology in the FISCAM incorp. the following: (1) A top-down, risk-based approach that considers materiality and significance in determining audit

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procedures; (2) Evaluation of entitywide controls and their effect on audit risk; (3) Evaluation of general controls and their pervasive impact on bus. process controls; (4) Evaluation of security mgmt. at all levels; (5) Control hierarchy to evaluate IS control weaknesses; (6) Groupings of control categories consistent with the nature of the risk. Illus.

This book analyses how the European Union translates its principles of

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peace and justice into policy and puts them into practice, particularly in societies in or emerging from violent conflict. The European Union treaty states that in its relations with the wider world, the EU is to promote peace, security, the protection of human rights, and the strict observance and the development of international law. The EU is active in peace processes around the world, yet its role in international peace mediation

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is largely ignored. This book offers the first scholarly analysis of how the EU engages in peace processes and justice for human rights violations, focussing on the point where mediation and transitional justice intersect. Drawing on extensive fieldwork, the book includes case studies of how the EU sought to promote peace and justice in the Democratic Republic of Congo (DRC), how it supports international justice through the International

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Criminal Court, and a model of the EU as a mediator. These provide an evidence-base for policy makers and practitioners as well as strong empirical contributions to theory. The book addresses whether and how the EU pursues its principles of both peace and justice in conflict zones, where, in practice, these principles may be in conflict, and the implications of these findings for understanding EU foreign policy and the EU as a security actor.

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This book will be of much interest to students of EU foreign policy, transitional justice, peace and conflict studies and security studies. Certified Information Systems Auditor (CISA) is a certification issued by ISACA to people in charge of ensuring that an organization's IT and business systems are monitored, managed and protected; the certification is presented after completion of a comprehensive testing and application

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process. The CISA certification is a globally recognized standard for appraising an IT auditor's knowledge, expertise and skill in assessing vulnerabilities and instituting IT controls in an enterprise environment. It is designed for IT auditors, audit managers, consultants and security professionals. Preparing for the Certified Information Systems Auditor exam to become an CISA Certified by ISACA? Here we've brought 900+ Exam

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Questions for you so that you can prepare well for this CISA exam Unlike other online simulation practice tests, you get a Paperback version that is easy to read & remember these questions. You can simply rely on these questions for successfully certifying this exam.

Federal Information System Controls Audit Manual (FISCAM)

CompTIA A+ Complete Study Guide

Ethical Issues and Security Monitoring

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Trends in Global Healthcare:

Technological Advancements

*Auditor's Guide to IT Auditing, +
Software Demo*

*900+ Exam Questions for Isaca CISA
Updated 2020*

*Journal of Government Financial
Management*

Expanded into two volumes, the Second Edition of Springer's Encyclopedia of Cryptography and Security brings the latest and most comprehensive coverage of the topic: Definitive information on

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cryptography and information security from highly regarded researchers Effective tool for professionals in many fields and researchers of all levels Extensive resource with more than 700 contributions in Second Edition 5643 references, more than twice the number of references that appear in the First Edition With over 300 new entries, appearing in an A-Z format, the Encyclopedia of Cryptography and Security provides easy, intuitive access to information on all aspects of cryptography and security. As a critical enhancement to the First Edition's base of 464 entries, the information in the Encyclopedia is relevant for researchers and professionals alike. Topics for this comprehensive reference were

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elected, written, and peer-reviewed by a pool of distinguished researchers in the field. The Second Edition's editorial board now includes 34 scholars, which was expanded from 18 members in the First Edition. Representing the work of researchers from over 30 countries, the Encyclopedia is broad in scope, covering everything from authentication and identification to quantum cryptography and web security. The text's practical style is instructional, yet fosters investigation. Each area presents concepts, designs, and specific implementations. The highly-structured essays in this work include synonyms, a definition and discussion of the topic, bibliographies, and links to related literature.

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Extensive cross-references to other entries within the Encyclopedia support efficient, user-friendly searches for immediate access to relevant information. Key concepts presented in the Encyclopedia of Cryptography and Security include: Authentication and identification; Block ciphers and stream ciphers; Computational issues; Copy protection; Cryptanalysis and security; Cryptographic protocols; Electronic payment and digital certificates; Elliptic curve cryptography; Factorization algorithms and primality tests; Hash functions and MACs; Historical systems; Identity-based cryptography; Implementation aspects for smart cards and standards; Key management;

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Multiparty computations like voting schemes; Public key cryptography; Quantum cryptography; Secret sharing schemes; Sequences; Web Security. Topics covered: Data Structures, Cryptography and Information Theory; Data Encryption; Coding and Information Theory; Appl.Mathematics/Computational Methods of Engineering; Applications of Mathematics; Complexity. This authoritative reference will be published in two formats: print and online. The online edition features hyperlinks to cross-references, in addition to significant research. Cloud technologies have revolutionized the way we store information and perform various computing

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tasks. With the rise of this new technology, the ability to secure information stored on the cloud becomes a concern. The Handbook of Research on Securing Cloud-Based Databases with Biometric Applications explores the latest innovations in promoting cloud security through human authentication techniques. Exploring methods of access by identification, including the analysis of facial features, fingerprints, DNA, dental characteristics, and voice patterns, this publication is designed especially for IT professionals, academicians, and upper-level students seeking current research surrounding cloud security. Totally updated for 2011, here's the ultimate study

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guide for the CISSP exam Considered the most desired certification for IT security professionals, the Certified Information Systems Security Professional designation is also a career-booster. This comprehensive study guide covers every aspect of the 2011 exam and the latest revision of the CISSP body of knowledge. It offers advice on how to pass each section of the exam and features expanded coverage of biometrics, auditing and accountability, software security testing, and other key topics. Included is a CD with two full-length, 250-question sample exams to test your progress. CISSP certification identifies the ultimate IT security professional; this complete study guide is fully

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updated to cover all the objectives of the 2011 CISSP exam Provides in-depth knowledge of access control, application development security, business continuity and disaster recovery planning, cryptography, Information Security governance and risk management, operations security, physical (environmental) security, security architecture and design, and telecommunications and network security Also covers legal and regulatory investigation and compliance Includes two practice exams and challenging review questions on the CD Professionals seeking the CISSP certification will boost their chances of success with CISSP: Certified Information Systems Security Professional Study

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Guide, 5th Edition.

1,000 Challenging practice questions for Exam SY0-501 CompTIA Security+ Practice Tests provides invaluable practice for candidates preparing for Exam SY0-501. Covering 100% of exam objectives, this book provides 1,000 practice questions to help you test your knowledge and maximize your performance well in advance of exam day. Whether used alone or as a companion to the CompTIA Security+ Study Guide, these questions help reinforce what you know while revealing weak areas while there's still time to review. Six unique practice tests plus one bonus practice exam cover threats, attacks, and vulnerabilities; technologies and tools;

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architecture and design; identity and access management; risk management; and cryptography and PKI to give you a comprehensive preparation resource. Receive one year of FREE access to the Sybex online interactive learning environment, to help you prepare with superior study tools that allow you to gauge your readiness and avoid surprises on exam day. The CompTIA Security+ certification is internationally-recognized as validation of security knowledge and skills. The exam tests your ability to install and configure secure applications, networks, and devices; analyze, respond to, and mitigate threats; and operate within applicable policies, laws, and regulations. This book provides the practice you

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need to pass with flying colors. Master all six CompTIA Security+ objective domains Test your knowledge with 1,000 challenging practice questions Identify areas in need of further review Practice test-taking strategies to go into the exam with confidence The job market for information security professionals is thriving, and will only expand as threats become more sophisticated and more numerous. Employers need proof of a candidate's qualifications, and the CompTIA Security+ certification shows that you've mastered security fundamentals in both concept and practice. If you're ready to take on the challenge of defending the world's data, CompTIA Security+ Practice Tests is an essential resource for thorough

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exam preparation.

Health Information Systems: Concepts, Methodologies, Tools, and Applications

Exams 220-601 / 602 / 603 / 604

Technological Advancements

Handbook of Information Security, Threats, Vulnerabilities, Prevention, Detection, and Management

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EU Foreign Policy, Transitional Justice and Mediation

*** SANS (SysAdmin, Audit, Network, Security) has trained and certified more than 156,000 security**

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professionals. * This book is the cost-friendly alternative to the \$450 SANS materials and \$1200 SANS courses, providing more and better information for \$60. * SANS is widely known and well-respected, with sponsors, educators and advisors from prestigious government agencies (FBI), corporations, and universities (Carnegie Mellon) around the world. * A companion CD contains the Boson test engine packed with review questions.

This book describes the Throughput Model methodology that can enable individuals and

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organizations to better identify, understand, and use algorithms to solve daily problems. The Throughput Model is a progressive model intended to advance the artificial intelligence (AI) field since it represents symbol manipulation in six algorithmic pathways that are theorized to mimic the essential pillars of human cognition, namely, perception, information, judgment, and decision choice. The six AI algorithmic pathways are (1) Expedient Algorithmic Pathway, (2) Ruling Algorithmic Guide Pathway, (3) Analytical Algorithmic

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Pathway, (4) Revisionist Algorithmic Pathway, (5) Value Driven Algorithmic Pathway, and (6) Global Perspective Algorithmic Pathway. As AI is increasingly employed for applications where decisions require explanations, the Throughput Model offers business professionals the means to look under the hood of AI and comprehend how those decisions are attained by organizations. Key Features: - Covers general concepts of Artificial intelligence and machine learning - Explains the importance of dominant AI algorithms for business and AI research -

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Provides information about 6 unique algorithmic pathways in the Throughput Model - Provides information to create a roadmap towards building architectures that combine the strengths of the symbolic approaches for analyzing big data - Explains how to understand the functions of an AI algorithm to solve problems and make good decisions - informs managers who are interested in employing ethical and trustworthiness features in systems. Dominant Algorithms to Evaluate Artificial Intelligence: From the view of Throughput Model

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is an informative reference for all professionals and scholars who are working on AI projects to solve a range of business and technical problems.

Today's management world continually relies on technological efficiency to function and perform at a high standard. As technology becomes a greater part in many fields, understanding and managing this factor is integral for organizations. Inventive Approaches for Technology Integration and Information Resources Management provides an overview

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and analysis of knowledge management in sustainability, emergency preparedness, and IT, among other fields integral to the modern technological era. By providing a foundation for innovative practices in using technology and information resources, this publication is essential for practitioners and professionals, as well as undergraduate/graduate students and academicians.

This book mainly focuses on cloud security and high performance computing for cloud auditing. The book discusses emerging challenges and

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techniques developed for high performance semantic cloud auditing, and presents the state of the art in cloud auditing, computing and security techniques with focus on technical aspects and feasibility of auditing issues in federated cloud computing environments. In summer 2011, the United States Air Force Research Laboratory (AFRL) CyberBAT Cloud Security and Auditing Team initiated the exploration of the cloud security challenges and future cloud auditing research directions that are covered in this book. This work was

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supported by the United States government funds from the Air Force Office of Scientific Research (AFOSR), the AFOSR Summer Faculty Fellowship Program (SFFP), the Air Force Research Laboratory (AFRL) Visiting Faculty Research Program (VFRP), the National Science Foundation (NSF) and the National Institute of Health (NIH). All chapters were partially supported by the AFOSR Information Operations and Security Program extramural and intramural funds (AFOSR/RSL Program Manager: Dr. Robert Herklotz). Key Features: - Contains

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surveys of cyber threats and security issues in cloud computing and presents secure cloud architectures · Presents in-depth cloud auditing techniques, federated cloud security architectures, cloud access control models, and access assured information sharing technologies · Outlines a wide range of challenges and provides solutions to manage and control very large and complex data sets

Biometrics: Concepts, Methodologies, Tools, and Applications

Bio-Privacy

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Record of Proceedings -International Labour Conference

Exam SY0-501

Strengthening Forensic Science in the United States

Protecting American Democracy

This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease,

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condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or

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condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews. "This reference set provides a complete understanding of the development of applications and concepts in clinical, patient, and hospital information systems"--Provided by publisher. "This book identifies practices and strategies being developed using the new technologies that are available and the impact that these tools might have on public health and safety practices"--Provided by publisher.

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Innovation and Future Trends in Food Manufacturing and Supply Chain Technologies focuses on emerging and future trends in food manufacturing and supply chain technologies, examining the drivers of change and innovation in the food industry and the current and future ways of addressing issues such as energy reduction and rising costs in food manufacture. Part One looks at innovation in the food supply chain, while Part Two covers emerging technologies in food processing and packaging. Subsequent sections explore innovative food preservation technologies in themed chapters and sustainability and future research needs in food manufacturing. Addresses issues such as energy reduction and rising costs in food manufacture Assesses current supply chain technologies and the emerging advancements in the field, including key chapters on

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food processing technologies Covers the complete food manufacturing scale, compiling significant research from academics and important industrial figures

I - Z.

Auditor's Guide to Information Systems Auditing

Mastering SANS GIAC Security Essentials

Concepts, Methodologies, Tools, and Applications

Auditor's Guide to IT Auditing

Encyclopedia of Biometrics

Step-by-step guide to successful implementation and control of IT systems—including the Cloud Many auditors are unfamiliar with the

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techniques they need to know to efficiently and effectively determine whether information systems are adequately protected. Now in a Second Edition, Auditor's Guide to IT Auditing presents an easy, practical guide for auditors that can be applied to all computing environments. Follows the approach used by the Information System Audit and Control Association's model curriculum, making this book a practical approach to IS auditing

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Serves as an excellent study guide for those preparing for the CISA and CISM exams Includes discussion of risk evaluation methodologies, new regulations, SOX, privacy, banking, IT governance, CobiT, outsourcing, network management, and the Cloud Includes a link to an education version of IDEA--Data Analysis Software As networks and enterprise resource planning systems bring resources together, and as increasing privacy

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violations threaten more organization, information systems integrity becomes more important than ever. Auditor's Guide to IT Auditing, Second Edition empowers auditors to effectively gauge the adequacy and effectiveness of information systems controls. Biometric recognition, or simply biometrics, is the science of establishing the identity of a person based on physical or behavioral attributes. It is a rapidly evolving

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field with applications ranging from securely accessing one's computer to gaining entry into a country. While the deployment of large-scale biometric systems in both commercial and government applications has increased the public awareness of this technology, "Introduction to Biometrics" is the first textbook to introduce the fundamentals of Biometrics to undergraduate/graduate students. The three commonly used

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modalities in the biometrics field, namely, fingerprint, face, and iris are covered in detail in this book. Few other modalities like hand geometry, ear, and gait are also discussed briefly along with advanced topics such as multibiometric systems and security of biometric systems. Exercises for each chapter will be available on the book website to help students gain a better understanding of the topics and obtain practical experience in

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designing computer programs for biometric applications. These can be found at: <http://www.csee.wvu.edu/~ross/BiometricsTextBook/>. Designed for undergraduate and graduate students in computer science and electrical engineering, "Introduction to Biometrics" is also suitable for researchers and biometric and computer security professionals. With an A-Z format, this encyclopedia provides easy access to relevant

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information on all aspects of biometrics. It features approximately 250 overview entries and 800 definitional entries. Each entry includes a definition, key words, list of synonyms, list of related entries, illustration(s), applications, and a bibliography. Most entries include useful literature references providing the reader with a portal to more detailed information.

Proven and emerging strategies for

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addressing document and records management risk within the framework of information governance principles and best practices Information Governance (IG) is a rapidly emerging "super discipline" and is now being applied to electronic document and records management, email, social media, cloud computing, mobile computing, and, in fact, the management and output of information organization-wide. IG leverages information technologies to

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enforce policies, procedures and controls to manage information risk in compliance with legal and litigation demands, external regulatory requirements, and internal governance objectives. Information Governance: Concepts, Strategies, and Best Practices reveals how, and why, to utilize IG and leverage information technologies to control, monitor, and enforce information access and security policies. Written by one of the most

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recognized and published experts on information governance, including specialization in e-document security and electronic records management Provides big picture guidance on the imperative for information governance and best practice guidance on electronic document and records management Crucial advice and insights for compliance and risk managers, operations managers, corporate counsel, corporate records managers, legal

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administrators, information technology managers, archivists, knowledge managers, and information governance professionals IG sets the policies that control and manage the use of organizational information, including social media, mobile computing, cloud computing, email, instant messaging, and the use of e-documents and records. This extends to e-discovery planning and preparation. Information Governance: Concepts, Strategies, and

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Best Practices provides step-by-step guidance for developing information governance strategies and practices to manage risk in the use of electronic business documents and records.

Dominant Algorithms to Evaluate Artificial Intelligence: From the View of Throughput Model

Introduction to Biometrics

Concepts, Methodologies, Tools and Applications

CISA Certified Information Systems

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Auditor Exam Practice Questions & Dumps CompTIA Security+ Practice Tests

This book brings together aspects of statistics and machine learning to provide a comprehensive guide to evaluating, interpreting and understanding biometric data. It naturally leads to topics including data mining and prediction to be examined in detail. The book places an emphasis on the various performance measures available for biometric systems, what they mean, and when they should and should not be applied. The evaluation techniques are presented

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rigorously, however they are always accompanied by intuitive explanations. This is important for the increased acceptance of biometrics among non-technical decision makers, and ultimately the general public.

Bio-Privacy: Privacy Regulations and the Challenge of Biometrics provides an in-depth consideration of the legal issues posed by the use of biometric technology. Focusing particularly on the relationship between the use of this technology and the protection of privacy, this book draws on material across a range of jurisdictions in order to explore several key questions.

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What are the privacy issues in the biometric context? How are these issues currently dealt with under the law? What principles are applied? Is the current regulation satisfactory? Is it applied consistently? And, more generally, what is the most appropriate way to deal with the legal implications of biometrics? Offering an analysis, and recommendations, with a view to securing adequate human rights and personal data protection, *Bio-Privacy: Privacy Regulations and the Challenge of Biometrics* will be an important reference point for those with interests in the tension between freedom and security.

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The censorship and surveillance of individuals, societies, and countries have been a long-debated ethical and moral issue. In consequence, it is vital to explore this controversial topic from all angles.

Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications is a vital reference source on the social, moral, religious, and political aspects of censorship and surveillance. It also explores the techniques of technologically supported censorship and surveillance. Highlighting a range of topics such as political censorship, propaganda, and information privacy, this multi-volume book is geared

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towards government officials, leaders, professionals, policymakers, media specialists, academicians, and researchers interested in the various facets of censorship and surveillance.

Reid (senior product manager, Cryptometrics) introduces the technical capabilities and limitations of computer biometric systems for measuring fingerprints, eye characteristics, or other body information as a computer security measure serving a similar purpose to personal identification numbers. He describes the workings of the different types of technologies and examines some of the mathematics

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behind biometric systems. He also describes the conceptualization and implementation of a particular system with which he was involved. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).

Inventive Approaches for Technology Integration and Information Resources Management

CISSP: Certified Information Systems Security Professional Study Guide

Information Governance

Securing the Vote

Principle, Policy and Practice

Concepts, Strategies, and Best Practices

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Physical and behavioral biometric technologies such as fingerprinting, facial recognition, voice identification, etc. have enhanced the level of security substantially in recent years.

Governments and corporates have employed these technologies to achieve better customer satisfaction. However, biometrics faces major challenges in reducing criminal, terrorist activities and electronic frauds, especially in choosing appropriate decision-making algorithms. To face this challenge, new developments have been made, that amalgamate biometrics with artificial intelligence (AI) in decision-making modeling.

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Advanced software algorithms of AI, processing information offered by biometric technology, achieve better results. This has led to growth in the biometrics technology industry, and is set to increase the security and internal control operations manifold. This book provides an overview of the existing biometric technologies, decision-making algorithms and the growth opportunity in biometrics. The book proposes a throughput model, which draws on computer science, economics and psychology to model perceptual, informational sources, judgmental processes and decision choice algorithms. It reviews how biometrics might be applied to

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reduce risks to individuals and organizations, especially when dealing with digital-based media.

Security and authentication issues are surging to the forefront of the research realm in global society. As technology continues to evolve, individuals are finding it easier to infiltrate various forums and facilities where they can illegally obtain information and access. By implementing biometric authentications to these forums, users are able to prevent attacks on their privacy and security. Biometrics: Concepts, Methodologies, Tools, and Applications is a multi-volume publication

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highlighting critical topics related to access control, user identification, and surveillance technologies. Featuring emergent research on the issues and challenges in security and privacy, various forms of user authentication, biometric applications to image processing and computer vision, and security applications within the field, this publication is an ideal reference source for researchers, engineers, technology developers, students, and security specialists.

Praise for Auditor's Guide to Information Systems Auditing "Auditor's Guide to Information Systems Auditing is the most

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comprehensive book about auditing that I have ever seen. There is something in this book for everyone. New auditors will find this book to be their bible-reading it will enable them to learn what the role of auditors really is and will convey to them what they must know, understand, and look for when performing audits. For experienced auditors, this book will serve as a reality check to determine whether they are examining the right issues and whether they are being sufficiently comprehensive in their focus. Richard Cascarino has done a superb job." —E. Eugene Schultz, PhD, CISSP, CISM Chief Technology Officer and

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