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ECCWS 2017 16th European Conference on Cyber Warfare and Security

Medical Device Cybersecurity for Engineers and Manufacturers

Artech House *Cybersecurity for medical devices is no longer optional. We must not allow sensationalism or headlines to drive the discussion... Nevertheless, we must proceed with urgency. In the end, this is about preventing patient harm and preserving patient trust. A comprehensive guide to medical device secure lifecycle management, this is a book for engineers, managers, and regulatory specialists. Readers gain insight into the security aspects of every phase of the product lifecycle, including concept, design, implementation, supply chain, manufacturing, postmarket surveillance, maintenance, updates, and end of life. Learn how to mitigate or completely avoid common cybersecurity vulnerabilities introduced during development and production. Grow your awareness of cybersecurity development topics ranging from high-level concepts to practical solutions and tools. Get insight into emerging regulatory and customer expectations. Uncover how to minimize schedule impacts and accelerate time-to-market while still accomplishing the main goal: reducing patient and business exposure to cybersecurity risks. Medical Device Cybersecurity for Engineers and Manufacturers is designed to help all stakeholders lead the charge to a better medical device security posture and improve the resilience of our medical device ecosystem.*

New Knowledge in Information Systems and Technologies

Volume 2

Springer *This book includes a selection of articles from The 2019 World Conference on Information Systems and Technologies (WorldCIST'19), held from April 16 to 19, at La Toja, Spain. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges in modern information systems and technologies research, together with their technological development and applications. The book covers a number of topics, including A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human–Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.*

Advances in Intelligent Networking and Collaborative

Systems

The 10th International Conference on Intelligent Networking and Collaborative Systems (INCoS-2018)

Springer *This book provides the latest research findings, and discusses, from both theoretical and practical perspectives, innovative research methods and development techniques related to intelligent social networks and collaborative systems, intelligent networking systems, mobile collaborative systems and secure intelligent cloud systems. It also presents the synergies among various paradigms in such a multi-disciplinary field of intelligent collaborative systems. With the rapid development of the Internet, we are experiencing a shift from the traditional sharing of information and applications as the main purpose of the Web to an emergent paradigm, which locates people at the very centre of networks and exploits the value of individuals' connections, relations and collaboration. Social networks are also playing a major role in the dynamics and structure of intelligent Web-based networking and collaborative systems. Virtual campuses, virtual communities and organizations strongly leverage intelligent networking and collaborative systems by means of a great variety of formal and informal electronic relations, such as business-to-business, peer-to-peer and various types of online collaborative learning interactions, including the emerging e-learning systems. This has resulted in entangled systems that need to be managed efficiently and autonomously. In addition, the latest, powerful technologies based on grid and wireless infrastructure as well as cloud computing are currently enhancing collaborative and networking applications significantly, but are also facing new issues and challenges. The principal purpose of the research and development community is to stimulate research that will lead to the creation of responsive environments for networking and, in the longer term, the development of adaptive, secure, mobile, and intuitive intelligent systems for collaborative work and learning.*

Recent Advances in Information Systems and Technologies

Volume 2

Springer *This book presents a selection of papers from the 2017 World Conference on Information Systems and Technologies (WorldCIST'17), held between the 11st and 13th of April 2017 at Porto Santo Island, Madeira, Portugal. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges involved in modern Information Systems and Technologies research, together with technological developments and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Software and Systems Modeling; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Human–Computer Interaction; Ethics, Computers & Security; Health Informatics; Information Technologies in Education; and Information Technologies in Radiocommunications.*

ECCWS 2021 20th European Conference on Cyber Warfare and Security

Academic Conferences Inter Ltd *Conferences Proceedings of 20th European Conference on Cyber Warfare and Security*

Essentials of Blockchain Technology

CRC Press *Blockchain technologies, as an emerging distributed architecture and computing paradigm, have accelerated the development/application of the Cloud/GPU/Edge Computing, Artificial Intelligence, cyber physical systems, social networking, crowdsourcing and crowdsensing, 5G, trust management, and finance. The popularity and rapid development of Blockchain brings many technical and regulatory challenges for research and academic communities. This book will feature contributions from experts on topics related to performance, benchmarking, durability, robustness, as well data gathering and management, algorithms, analytics techniques for transactions processing, and implementation of applications.*

Research Anthology on Business Aspects of Cybersecurity

IGI Global *Cybersecurity is vital for all businesses, regardless of sector. With constant threats and potential online dangers, businesses must remain aware of the current research and information available to them in order to protect themselves and their employees. Maintaining tight cybersecurity can be difficult for businesses as there are so many moving parts to contend with, but remaining vigilant and having protective measures and training in place is essential for a successful company. The Research Anthology on Business Aspects of Cybersecurity considers all emerging aspects of cybersecurity in the business sector including frameworks,* *models, best practices, and emerging areas of interest. This comprehensive reference source is split into three sections with the first discussing audits and risk assessments that businesses can conduct to ensure the security of their systems. The second section covers training and awareness initiatives for staff that promotes a security culture. The final section discusses software and systems that can be used to secure and manage cybersecurity threats. Covering topics such as audit models, security behavior, and insider threats, it is ideal for businesses, business professionals, managers, security analysts, IT specialists, executives, academicians, researchers, computer engineers, graduate students, and practitioners.*

Strategic Engineering for Cloud Computing and Big Data Analytics

Springer *This book demonstrates the use of a wide range of strategic engineering concepts, theories and applied case studies to improve the safety, security and sustainability of complex and large-scale engineering and computer systems. It first details the concepts of system design, life cycle, impact assessment and security to show how these ideas can be brought to bear on the modeling, analysis and design of information systems with a focused view on cloud-computing systems and big data analytics. This informative book is a valuable resource for graduate students, researchers and industry-based practitioners working in engineering, information and business systems as well as strategy.*

IT-Risikomanagement mit System

Praxisorientiertes Management von Informationssicherheits-, IT- und Cyber-Risiken

Springer-Verlag *Das Buch bietet einen praxisbezogenen Leitfaden für das Informationssicherheits-, IT- und Cyber-Risikomanagement im Unternehmen – es ist branchenneutral und nimmt Bezug auf relevante Konzepte und Standards des Risikomanagements und der Governance (z.B. COBIT, NIST SP 800-30 R1, ISO 31000, ISO 22301 und ISO/IEC 270xx-Reihe). Der Autor stellt integrierte Lösungsansätze in einem Gesamt-Risikomanagement vor. Dabei behandelt er systematisch, ausgehend von der Unternehmens-Governance, die fachspezifischen Risiken in einem beispielhaften Risikomanagement-Prozess. Der Leser erhält alles, was zur Beurteilung, Behandlung und Kontrolle dieser Risiken in der Praxis methodisch erforderlich ist. Diese 5. Auflage ist auf den aktuellen Stand der Compliance-Anforderungen und der Standardisierung angepasst und geht in einem zusätzlichen, neuen Kapitel speziell auf die Cyber-Risiken und deren Besonderheiten ein. Anhand von Beispielen wird ein Ansatz für das Assessment der Cyber-Risiken sowie in der Massnahmen zur adäquaten Behandlung gezeigt.*

THE ILLUSION OF THE CYBER INTELLIGENCE ERA

ZAHF.ME *This is book is the result of my two academic interests. On a professional level I have too often found that there is a lot of misleading information being dished out on the reasons behind some of the most high profile cyber attacks. Both the media and the so called security experts end up in a blame game without factual evidence or a clear understanding of what lies behind the obvious. My research focuses on proposing a model for Cyber Criminal Psychology & Profiling that incorporates multiple intelligence, Interviewing Techniques, Cyber Criminal Psychology, Cyber forensics and Offender Profiling. The traditional model of offender profiling does not incorporate the human side of the profiler nor the offender. A better profile of a Cyber-Criminal will help in speeding up the investigation process and ensuring better identification of the Cyber-Criminal. On a personal level, especially after going through a traumatic cancer struggle, I have found that people around me are missing vital things in life. Some out of ignorance and some out of misinterpretation of facts. The book is a collection of 31 articles, which took almost three years of constant effort. The book is split into five chapters, each representing a unique theme, each with multiple articles of interest. Chapter 1 focuses on Cyber Forensics, Chapter 2 on Profiling, Chapter 3 on Interview Techniques, Chapter 4 on Forensics Psychology and Chapter 5 on Multiple Intelligences. Although the chapters are in a certain order, each article can be read on its own in any order. The one thing I learnt in preparing the articles is how valuable knowledge of the self and surroundings are in figuring out better solutions for oneself and in the workplace. I hope you enjoy reading these articles as much as I enjoyed writing them. I also hope you find them useful.*

APT verstehen und abwehren

Strategien und Konzepte für die Implementierung einer hochsicheren Administrationsumgebung zur Absicherung von Authentifizierungssystemen gegen APT-Angriffe

Holger Winzer *Für eine Klasse von Bedrohungen, die als Advanced Persistent Threats (APTs) bekannt ist, beschreibt diese Arbeit neben der Darstellung des Angriffsablaufs auch Strategien und Konzepte, die eine Institution in die Lage versetzen, sich erfolgreich gegen derartige Angriffe zur Wehr zu setzen. Es werden technische und organisatorische Maßnahmen für den Aufbau einer hochsicheren Administrationsumgebung beschrieben sowie der Aufwand für diese Maßnahmen der erzielbaren Schutzwirkung und* *dem möglichen Schadensrisiko eines APT-Angriffs gegenübergestellt. Zum Abschluss wird ein Ausblick auf zukünftige Authentifizierungsmethoden gegeben.*

Information Systems Security and Privacy

5th International Conference, ICISSP 2019, Prague, Czech Republic, February 23-25, 2019, Revised Selected Papers

Springer Nature *This book constitutes the revised selected papers of the 5th International Conference on Information Systems Security and Privacy, ICISSP 2019, held in Prague, Czech Republic, in February 2019. The 19 full papers presented were carefully reviewed and selected from a total of 100 submissions. The papers presented in this volume address various topical research, including new approaches for attack modelling andprevention, incident management and response, and user authentication andaccess control, as well as business and human-oriented aspects such as data pro-tection and privacy, and security awareness.*

World Development Report 2016

Digital Dividends

World Bank Publications *Digital technologies are spreading rapidly, but digital dividends--the broader benefits of faster growth, more jobs, and better services--are not. If more than 40 percent of adults in East Africa pay their utility bills using a mobile phone, why can't others around the world do the same? If 8 million entrepreneurs in China--one third of them women--can use an e-commerce platform to export goods to 120 countries, why can't entrepreneurs elsewhere achieve the same global reach? And if India can provide unique digital identification to 1 billion people in five years, and thereby reduce corruption by billions of dollars, why can't other countries replicate its success? Indeed, what's holding back countries from realizing the profound and transformational effects that digital technologies are supposed to deliver? Two main reasons. First, nearly 60 percent of the world's population are still offline and can't participate in the digital economy in any meaningful way. Second, and more important, the benefits of digital technologies can be offset by growing risks. Startups can disrupt incumbents, but not when vested interests and regulatory uncertainty obstruct competition and the entry of new firms. Employment opportunities may be greater, but not when the labor market is polarized. The internet can be a platform for universal empowerment, but not when it becomes a tool for state control and elite capture. The World Development Report 2016 shows that while the digital revolution has forged ahead, its 'analog complements'--the regulations that promote entry and competition, the skills that enable workers to access and then leverage the new economy, and the institutions that are accountable to citizens--have not kept pace. And when these analog complements to digital investments are absent, the development impact can be disappointing. What, then, should countries do? They should formulate digital development strategies that are much broader than current information and communication technology (ICT) strategies. They should create a policy and institutional environment for technology that fosters the greatest benefits. In short, they need to build a strong analog foundation to deliver digital dividends to everyone, everywhere.*

Reliability and Statistics in Transportation and Communication

Selected Papers from the 18th International Conference on Reliability and Statistics in Transportation and Communication, RelStat'18, 17-20 October 2018, Riga, Latvia

Springer *This book reports on cutting-edge theories and methods for analyzing complex systems, such as transportation and communication networks and discusses multi-disciplinary approaches to dependability problems encountered when dealing with complex systems in practice. The book presents the most noteworthy methods and results discussed at the International Conference on Reliability and Statistics in Transportation and Communication (RelStat), which took place in Riga, Latvia on October 17 – 20, 2018. It spans a broad spectrum of topics, from mathematical models and design methodologies, to software engineering, data security and financial issues, as well as practical problems in technical systems, such as transportation and telecommunications, and in engineering education.*

Learning Kali Linux

Security Testing, Penetration Testing, and Ethical Hacking

"O'Reilly Media, Inc." *With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what's available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete*

Effective Security Management

Elsevier *Effective Security Management, 5e, teaches practicing security professionals how to build their careers by mastering the fundamentals of good management. Charles Sennewald brings a time-tested blend of common sense, wisdom, and humor to this bestselling introduction to workplace dynamics. Working with a team of sterling contributors endowed with cutting-edge technological expertise, the book presents the most accurately balanced picture of a security manager's duties. Its Jackass Management cartoons also wittily illustrate the array of pitfalls a new manager must learn to avoid in order to lead effectively. In short, this timely revision of a classic text retains all the strengths that have helped the book endure over the decades and adds the latest resources to support professional development. * Includes a new chapter on the use of statistics as a security management tool * Contains complete updates to every chapter while retaining the outstanding organization of the previous editions * Recommended reading for The American Society for Industrial Security's (ASIS) Certified Protection Professional (CPP) exam*

The NICE Cyber Security Framework

Cyber Security Intelligence and Analytics

Springer *This textbook is for courses in cyber security education that follow National Initiative for Cybersecurity Education (NICE) KSAs work roles and framework, that adopt the Competency-Based Education (CBE) method. The book follows the CBT (KSA) general framework, meaning each chapter contains three sections, knowledge and questions, and skills/labs for Skills and Abilities. The author makes an explicit balance between knowledge and skills material in information security, giving readers immediate applicable skills. The book is divided into seven parts: Securely Provision; Operate and Maintain; Oversee and Govern; Protect and Defend; Analysis; Operate and Collect; Investigate. All classroom materials (in the book an ancillary) adhere to the NICE framework. Mirrors classes set up by the National Initiative for Cybersecurity Education (NICE) Adopts the Competency-Based Education (CBE) method of teaching, used by universities, corporations, and in government training Includes content and ancillaries that provide skill-based instruction on compliance laws, information security standards, risk response and recovery, and more*

Industrie 4.0

Safety und Security - Mit Sicherheit gut vernetzt Branchentreff der Berliner und Brandenburger Wissenschaft und Industrie

Beuth Verlag *Industrie 4.0 ist auch in Berliner Unternehmen kein Fremdwort mehr. Das Spektrum der automatisierten, vernetzten Datenerfassung wird ständig größer. Um den weltweiten, sicheren Datenzugriff zu gewährleisten, ist der Aufbau einer speziellen IT-Infrastruktur für die digitale Vernetzung von Prozessen und Wertschöpfungsnetzwerken notwendig. Auf der Tagung "Industrie 4.0 - Safety und Security" werden verschiedene Aspekte der Zugriffssicherheit und Verfügbarkeit vernetzter industrieller Anlagen beleuchtet, mögliche Geschäftsmodelle rund um die "smart factory" vorgestellt und anhand von Best-Practice-Beispielen Hilfen für eine erfolgreiche Umsetzung gegeben. Alle Tagungsbeiträge können in diesem Band nachgelesen werden.*

The SAGE Handbook of the Sociology of Work and Employment

SAGE *The SAGE Handbook of the Sociology of Work and Employment is a landmark collection of original contributions by leading specialists from around the world. The coverage is both comprehensive and comparative (in terms of time and space) and each 'state of the art' chapter provides a critical review of the literature combined with some thoughts on the direction of research. This authoritative text is structured around six core themes: Historical Context and Social Divisions The Experience of Work The Organization of Work Nonstandard Work and Employment Work and Life beyond Employment Globalization and the Future of Work. Globally, the contours of work and employment are changing dramatically. This handbook helps academics and practitioners make sense of the impact of these changes on individuals, groups, organizations and societies. Written in an accessible style with a helpful introduction, the retrospective and prospective nature of this volume will be an essential resource for students, teachers and policy-makers across a range of fields, from business and management, to sociology and organization studies.*

The Internet of Things

Standard for Automatic Exchange of Financial Account Information in Tax Matters, Second Edition

OECD Publishing *This publication contains the following four parts: A model Competent Authority Agreement (CAA) for the automatic exchange of CRS information; the Common Reporting Standard; the Commentaries on the CAA and the CRS; and the CRS XML Schema User Guide.*

Cybersécurité

Un ouvrage unique pour les managers

Editions Eyrolles *Votre organisation est-elle protégée contre la cybercriminalité ? Êtes-vous en conformité avec la loi concernant la protection de vos informations et de vos actifs ? Ce livre aborde la cybersécurité d'un point de vue organisationnel et managérial. Ainsi, les cybercriminels capitalisent sur les technologies émergentes (comme le big data ou l'intelligence artificielle) afin de mieux contourner les solutions classiques de cybersécurité. Et le développement du cloud computing n'arrange rien dans ce domaine. C'est pour ces raisons que nous dépassons l'aspect technologique, pour proposer la mise en place d'un cadre de travail, qui s'appuie sur les normes ISO et les meilleurs standards du marché, afin : d'une part, de protéger les informations et les actifs les plus sensibles de votre organisation, contre toute forme de cybercriminalité ; d'autre part, d'être en conformité avec l'évolution des exigences légales concernant la protection des informations sensibles. Notamment, la mise en place de la GDPR (General Data Protection Régulation), applicable dès mai 2018, un arsenal législatif européen auquel doivent se conformer toutes les organisations, sous peine de paiement de très fortes amendes. Ce domaine est amplement développé dans le livre. Préfaces du Général d'armée (2S) Watin-Augouard, fondateur du Forum International de la Cybersécurité (FIC), et Éric Lachapelle, CEO de PECB Certification.*

DevOps for Trustworthy Smart IoT Systems

ENACT is a research project funded by the European Commission under its H2020 program. The project consortium consists of twelve industry and research member organisations spread across the whole EU. The overall goal of the ENACT project was to provide a novel set of solutions to enable DevOps in the realm of trustworthy Smart IoT Systems. Smart IoT Systems (SIS) are complex systems involving not only sensors but also actuators with control loops distributed all across the IoT, Edge and Cloud infrastructure. Since smart IoT systems typically operate in a changing and often unpredictable environment, the ability of these systems to continuously evolve and adapt to their new environment is decisive to ensure and increase their trustworthiness, quality and user experience. DevOps has established itself as a software development life-cycle model that encourages developers to continuously bring new features to the system under operation without sacrificing quality. This book reports on the ENACT work to empower the development and operation as well as the continuous and agile evolution of SIS, which is necessary to adapt the system to changes in its environment, such as newly appearing trustworthiness threats.

Sustainable Logistics and Supply Chain Management (Revised Edition)

Kogan Page Publishers *Sustainable Logistics and Supply Chain Management is the essential guide to the principles and practices of sustainable logistics operations and the responsible management of the entire supply chain. Based on extensive research by experts in the field, this comprehensive book covers the whole scope of sustainable logistics. The book provides carefully reviewed research-led applications and case studies that have been especially developed for this revised edition with particular attention for use in a teaching context. The mini case studies are highly topical, relating the theoretical concepts to practice and what is actually happening* *'on the ground'. Examining the subject in an integrated manner, this book examines all the key areas in sustainable logistics and supply chain management, including: sustainable product design and packaging; sustainable purchasing and procurement; cleaner production; environmental impact of freight transport; sustainable warehousing and storage; sustainable supply management; reverse logistics and recycling; supply chain management strategy, and much more. The book provides an excellent insight into the topic that will help managers, students, and scholars grasp the fundamentals of green supply and logistics management. This revised edition of Sustainable Logistics and Supply Chain Management includes valuable supporting online materials, including PPT presentations, chapter summaries, learning objectives, tips for teaching and in class activities.*

Cybersecurity Arm Wrestling

Winning the Perpetual Fight Against Crime by Building a Modern Security Operations Center (SOC)

Practitioners in Cybersecurity community understand that they are an unending war with opponents who have varying interests, but are mostly motivated by financial gains. New vulnerabilities are continuously discovered, new technologies are continuously being developed, and attackers are innovative in exploiting flaws to gain access to information assets for financial gains. It is profitable for attackers to succeed only few times. Security Operations Center (SOC) plays a key role in this perpetual arm wrestling to ensure you win most of the times. And if you fail once in a while, you can get back very quickly without much damage. People, who are part of SOC planning, architecture, design, implementation, operations, and incidents response will find this book useful.Many public and private sector organizations have built Security Operations Centers in-house whereas others have outsourced SOC operations to managed security services providers. Some also choose a hybrid approach by keeping parts of SOC operations in-house and outsourcing the rest of it. However, many of these efforts don't bring the intended results or realize desired business outcomes.This book is an effort to learn from experiences of many SOC practitioners and researchers to find practices that have been proven to be useful while avoiding common pitfalls in building SOC. I have also explored different ideas to find a "balanced" approach towards building a SOC and making informed choices between functions that can/should be kept in-house and the ones that can be outsourced. Even if you are an experienced SOC professional, you will still find few interesting ideas as I have done significant research and interviewed many SOC professionals to include tips to help avoid pitfalls.

COBIT 5

A Business Framework for the Governance and Management of Enterprise IT.

ISACA

Business Information Systems

22nd International Conference, BIS 2019, Seville, Spain, June 26–28, 2019, Proceedings, Part II

Springer *The two-volume set LNBIP 353 and 354 constitutes the proceedings of the 22nd International Conference on Business Information Systems, BIS 2019, held in Seville, Spain, in June 2019. The theme of the BIS 2019 was "Data Science for Business Information Systems", inspiring researchers to share theoretical and practical knowledge of the different aspects related to Data Science in enterprises. The 67 papers presented in these proceedings were carefully reviewed and selected from 223 submissions. The contributions were organized in topical sections as follows: Part I: Big Data and Data Science; Artificial Intelligence; ICT Project Management; and Smart Infrastructure. Part II: Social Media and Web-based Systems; and Applications, Evaluations and Experiences.*

Effective Cybersecurity

A Guide to Using Best Practices and Standards

Addison-Wesley Professional *The Practical, Comprehensive Guide to Applying Cybersecurity Best Practices and Standards in Real Environments In Effective Cybersecurity, William Stallings introduces the technology, operational procedures, and management practices needed for successful cybersecurity. Stallings makes extensive use of standards and best practices documents that are often used to guide or mandate cybersecurity implementation. Going beyond these, he offers in-depth tutorials on the “how” of implementation, integrated into a unified framework and realistic plan of action. Each chapter contains a clear technical overview, as well as a detailed discussion of action items and appropriate policies. Stallings offers many pedagogical features designed to help readers master the material: clear learning objectives, keyword lists, review questions, and QR codes linking to relevant standards* *documents and web resources. Effective Cybersecurity aligns with the comprehensive Information Security Forum document "The Standard of Good Practice for Information Security," extending ISF's work with extensive insights from ISO, NIST, COBIT, other official standards and guidelines, and modern professional, academic, and industry literature. • Understand the cybersecurity discipline and the role of standards and best practices • Define security governance, assess risks, and manage strategy and tactics • Safeguard information and privacy, and ensure GDPR compliance • Harden systems across the system development life cycle (SDLC) • Protect servers, virtualized systems, and storage • Secure networks and electronic communications, from email to VoIP • Apply the most appropriate methods for user authentication • Mitigate security risks in supply chains and cloud environments This knowledge is indispensable to every cybersecurity professional. Stallings presents it systematically and coherently, making it practical and actionable.*

CISSP All-in-One Exam Guide, 6th Edition

McGraw Hill Professional *A complete, up-to-date revision of the leading CISSP training resource from the #1 name in IT security certification and training, Shon Harris Fully revised for the latest release of the Certified Information Systems Security Professional exam, this comprehensive, up-to-date resource covers all 10 CISSP exam domains developed by the International Information Systems Security Certification Consortium (ISC2). This authoritative exam guide features learning objectives at the beginning of each chapter, exam tips, practice questions, and in-depth explanations. Written by the leading expert in IT security certification and training, CISSP All-in-One Exam Guide, Sixth Edition helps you pass the exam with ease and also serves as an essential on-the-job reference. Covers all 10 CISSP domains: Information security governance and risk management Access control Security architecture and design Physical and environmental security Telecommunications and network security Cryptography Business continuity and disaster recovery Legal, regulations, compliance, and investigations Software development security Security operations Electronic content includes: 1400+ practice exam questions in a Windows-based test engine with a new custom exam generation feature that allows you to practice by domain or take a complete CISSP practice exam Video training module from Shon Harris—single domain*

Code of Practice for Cyber Security in the Built Environment

This code of practice explains why and how cyber security should be considered throughout a building s lifecycle and explains good practice, focusing on building-related systems and all connections to the wider cyber environment. It provides clear practical guidance to help multidisciplinary teams understand how the management of key aspects of cyber security relate to their specific jobs and responsibilities in maintaining the security of a building. It is intended to act as an integral part of an organization s overall management system ensuring the cyber security of building related systems."

CompTIA Security+: SY0-601 Certification Guide

Complete coverage of the new CompTIA Security+ (SY0-601) exam to help you pass on the first attempt, 2nd Edition

Packt Publishing Ltd *The CompTIA Security+: SY0-601 Certification Guide makes the most complex Security+ concepts easy to understand even for those who have no prior knowledge. Complete with exam tips, practical exercises, mock exams, and exam objective mappings, this is the perfect study guide to help you obtain Security+ certification.*

CompTIA Cybersecurity Analyst (CySA+) Cert Guide

Pearson IT Certification *This is the eBook version of the print title and might not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Cybersecurity Analyst (CSA+) exam success with this CompTIA Authorized Cert Guide from Pearson IT Certification, a leader in IT certification learning and a CompTIA Authorized Platinum Partner. · Master CompTIA Cybersecurity Analyst (CSA+) exam topics · Assess your knowledge with chapter-ending quizzes · Review key concepts with exam preparation tasks · Practice with realistic exam questions CompTIA Cybersecurity Analyst (CSA+) Cert Guide is a best-of-breed exam study guide. Expert technology instructor and certification author Troy McMillan shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion website contains the powerful Pearson Test Prep practice test software, complete with hundreds of exam-realistic questions. The assessment engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA authorized study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CompTIA authorized study guide helps you master all the* *topics on the CSA+ exam, including · Applying environmental reconnaissance · Analyzing results of network reconnaissance · Implementing responses and countermeasures · Implementing vulnerability management processes · Analyzing scan output and identifying common vulnerabilities · Identifying incident impact and assembling a forensic toolkit · Utilizing effective incident response processes · Performing incident recovery and post-incident response · Establishing frameworks, policies, controls, and procedures · Remediating identity- and access-related security issues · Architecting security and implementing compensating controls · Implementing application security best practices · Using cybersecurity tools and technologies*

Encryption Made Simple for Lawyers

Accomplished authors Sharon D. Nelson, David G. Ries and John W. Simek will cover everything you need to know about encryption, breaking down the myths of security and putting the power to protect sensitive data in your hands.

ICICKM19 - Proceedings of the 16th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning

Acpil *These proceedings represent the work of contributors to the 16th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning, hosted by Macquarie University, Sydney, Australia on 5-6 December 2019. The Conference Chairs are John Dumay, James Guthrie and Rahat Munir, and the Programme Chair is James Hazelton.*

Good Governance for Critical Infrastructure Resilience

Org. for Economic Cooperation & Development *Critical infrastructures are the backbone of modern, interconnected economies. The disruption of key systems and essential services - such as telecommunications, energy or water supply, transportation or finance - can cause substantial economic damage. This report looks at how to boost critical infrastructure resilience in a dynamic risk landscape, and discusses policy options and governance models to promote up-front resilience investments. Based on an international survey, the report analyses the progressive shift of critical infrastructure policies from asset protection to system resilience. The findings are reflected in a proposed Policy Toolkit for the Governance of Critical Infrastructure Resilience, which can guide governments in taking a more coherent, preventive approach to protecting and sustaining essential services.*

Implementing the ISO/IEC 27001:2013 ISMS Standard

Artech House *Authored by an internationally recognized expert in the field, this expanded, timely second edition addresses all the critical information security management issues needed to help businesses protect their valuable assets. Professionals learn how to manage business risks, governance and compliance. This updated resource provides a clear guide to ISO/IEC 27000 security standards and their implementation, focusing on the recent ISO/IEC 27001. Moreover, readers are presented with practical and logical information on standard accreditation and certification. From information security management system (ISMS) business context, operations, and risk, to leadership and support, this invaluable book is your one-stop resource on the ISO/IEC 27000 series of standards.*

Open Information Security Management Maturity Model O-ISM3

Van Haren *The O-ISM3 standard focuses on the common processes of information security. It is technology-neutral, very practical and considers the business aspect in depth. This means that practitioners can use O-ISM3 with a wide variety of protection techniques used in the marketplace. In addition it supports common frameworks such as ISO 9000, ISO 27000, COBIT and ITIL. Covers: risk management, security controls, security management and how to translate business drivers into security objectives and targets*

Information Technology. Security Techniques. Vulnerability Disclosure

Software engineering techniques, Data security, Data transfer, Data handling (software), Data processing, Information exchange, Data storage protection, Data representation, Data transmission, Coded representation

Cybersecurity

Ethics, Legal, Risks, and Policies

CRC Press *This book is the first of its kind to introduce the integration of ethics, laws, risks, and policies in cyberspace. The book provides understanding of the ethical and legal aspects of cyberspace along with the risks involved. It also addresses current and proposed cyber policies, serving as a summary of the state of the art cyber laws in the United States. It also, importantly, incorporates various risk management and security strategies from a number of organizations. Using easy-to-understand language and incorporating case studies, the authors begin with the consideration of ethics and law in cybersecurity and then go on to take into account risks and security policies. The section on risk covers identification, analysis, assessment, management, and remediation. The very important topic of cyber insurance is covered as well—its benefits, types, coverage, etc. The section on cybersecurity policy acquaints readers with the role of policies in cybersecurity and how they are being implemented by means of frameworks. The authors provide a policy overview followed by discussions of several popular cybersecurity frameworks, such as NIST, COBIT, PCI/DSS, ISO series, etc.*