

Wireless And Le Device Security Jones Barlett Learning Information Systems Security Assurance

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It is your completely own time to piece of legislation reviewing habit. accompanied by guides you could enjoy now is **Wireless And le Device Security Jones Barlett Learning Information Systems Security Assurance** below.

Pervasive and Smart Technologies for Healthcare: Ubiquitous Methodologies and

Tools Coronato, Antonio 2010-03-31 "This book reports several experiences concerning the application of pervasive computing technologies,

methodologies and tools in healthcare"--Provided by publisher.

16th International Conference on Cyber Warfare and Security Dr Juan Lopez Jr 2021-02-25 These proceedings represent the work of contributors to the 16th International Conference on Cyber Warfare and Security (ICCWS 2021), hosted by joint collaboration of Tennessee Tech Cybersecurity Education, Research and Outreach Center (CEROC), Computer Science department and the Oak Ridge National Laboratory, Tennessee on 25-26 February 2021. The Conference Co-Chairs are Dr. Juan Lopez Jr, Oak Ridge National Laboratory, Tennessee, and Dr. Ambareen Siraj, Tennessee Tech's Cybersecurity Education, Research and Outreach Center (CEROC), and the Program Chair is Dr. Kalyan Perumalla, from Oak Ridge National Laboratory, Tennessee.

Information Systems Security Vinod Ganapathy 2018-12-10 This book constitutes the refereed proceedings of the 14th International

Conference on Information Systems Security, ICISS 2018, held in Bangalore, India, in December 2018. The 23 revised full papers presented in this book together with 1 invited paper and 3 keynote abstracts were carefully reviewed and selected from 51 submissions. The papers are organized in the following topical sections: security for ubiquitous computing; modelling and analysis of attacks; smartphone security; cryptography and theory; enterprise and cloud security; machine learning and security; privacy; and client security and authentication.

Human Aspects of Information Security, Privacy and Trust Louis Marinos 2013-07-01 This book constitutes the refereed proceedings of the First International Conference on Human Aspects of Information Security, Privacy and Trust, HAS 2013, held as part of the 15th International Conference on Human-Computer Interaction, HCI 2013, held in Las Vegas, USA in July 2013, jointly with 12 other thematically

similar conferences. The total of 1666 papers and 303 posters presented at the HCII 2013 conferences was carefully reviewed and selected from 5210 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 39 contributions was carefully reviewed and selected for inclusion in the HAS proceedings. The papers are organized in the following topical sections: novel authentication systems; human factors in security; security and privacy policies; and user centric security and privacy.

Energy Conservation for IoT Devices Mamta Mittal 2019-05-21 This book addresses the Internet of Things (IoT), an essential topic in the technology industry, policy, and engineering

circles, and one that has become headline news in both the specialty press and the popular media. The book focuses on energy efficiency concerns in IoT and the requirements related to Industry 4.0. It is the first-ever “how-to” guide on frequently overlooked practical, methodological, and moral questions in any nations’ journey to reducing energy consumption in IoT devices. The book discusses several examples of energy-efficient IoT, ranging from simple devices like indoor temperature sensors, to more complex sensors (e.g. electrical power measuring devices), actuators (e.g. HVAC room controllers, motors) and devices (e.g. industrial circuit-breakers, PLC for home, building or industrial automation). It provides a detailed approach to conserving energy in IoT devices, and comparative case studies on performance evaluation metrics, state-of-the-art approaches, and IoT legislation.

Population Health Informatics Joshi 2017-09-26 Population Health Informatics addresses the

growing opportunity to utilize technology to put into practice evidence-based solutions to improve population health outcomes across diverse settings. The book focuses on how to operationalize population informatics solutions to address important public health challenges impacting individuals, families, communities, and the environment in which they live. The book uniquely uses a practical, step-by-step approach to implement evidence-based, data-driven population informatics solutions.

Advances in Human Factors and Ergonomics in Healthcare and Medical Devices

Vincent Duffy 2017-06-17 This book discusses the latest advances in human factors and ergonomics, focusing on methods for improving quality, safety, efficiency, and effectiveness in patient care. By emphasizing the physical, cognitive, and organizational aspects of human factors and ergonomics applications, it presents various perspectives, including those of clinicians, patients, health organizations, and

insurance providers. The book describes cutting-edge applications, highlighting best practices for staff interactions with patients, as well as interactions with computers and medical devices. It also presents new findings related to improved organizational outcomes in healthcare settings, and approaches to modeling and analysis specifically targeting those work aspects unique to healthcare. Based on the AHFE 2017 International Conference on Human Factors and Ergonomics in Healthcare and Medical Devices, held on July 17–21, 2017, in Los Angeles, California, USA, the book is intended as a timely reference guide for both researchers involved in the design of healthcare systems and devices and for healthcare professionals working to deliver safe and effective health service. Moreover, by providing a useful survey of cutting-edge methods for improving organizational outcomes in healthcare settings, the book also represents a source of inspiration for healthcare counselors and

international health organizations.

IoT Souvik Pal 2020-06-03 IOT: Security and Privacy Paradigm covers the evolution of security and privacy issues in the Internet of Things (IoT). It focuses on bringing all security and privacy related technologies into one source, so that students, researchers, and practitioners can refer to this book for easy understanding of IoT security and privacy issues. This edited book uses Security Engineering and Privacy-by-Design principles to design a secure IoT ecosystem and to implement cyber-security solutions. This book takes the readers on a journey that begins with understanding the security issues in IoT-enabled technologies and how it can be applied in various aspects. It walks readers through engaging with security challenges and builds a safe infrastructure for IoT devices. The book helps readers gain an understand of security architecture through IoT and describes the state of the art of IoT countermeasures. It also differentiates security

threats in IoT-enabled infrastructure from traditional ad hoc or infrastructural networks, and provides a comprehensive discussion on the security challenges and solutions in RFID, WSNs, in IoT. This book aims to provide the concepts of related technologies and novel findings of the researchers through its chapter organization. The primary audience includes specialists, researchers, graduate students, designers, experts and engineers who are focused on research and security related issues. Souvik Pal, PhD, has worked as Assistant Professor in Nalanda Institute of Technology, Bhubaneswar, and JIS College of Engineering, Kolkata (NAAC "A" Accredited College). He is the organizing Chair and Plenary Speaker of RICE Conference in Vietnam; and organizing co-convenor of ICICIT, Tunisia. He has served in many conferences as chair, keynote speaker, and he also chaired international conference sessions and presented session talks internationally. His research area includes Cloud

Computing, Big Data, Wireless Sensor Network (WSN), Internet of Things, and Data Analytics. Vicente García-Díaz, PhD, is an Associate Professor in the Department of Computer Science at the University of Oviedo (Languages and Computer Systems area). He is also the editor of several special issues in prestigious journals such as Scientific Programming and International Journal of Interactive Multimedia and Artificial Intelligence. His research interests include eLearning, machine learning and the use of domain specific languages in different areas. Dac-Nhuong Le, PhD, is Deputy-Head of Faculty of Information Technology, and Vice-Director of Information Technology Apply and Foreign Language Training Center, Haiphong University, Vietnam. His area of research includes: evaluation computing and approximate algorithms, network communication, security and vulnerability, network performance analysis and simulation, cloud computing, IoT and image processing in biomedical. Presently, he is

serving on the editorial board of several international journals and has authored nine computer science books published by Springer, Wiley, CRC Press, Lambert Publication, and Scholar Press.

Mobile Apps Engineering Ghita K. Mostefaoui 2018-12-07 The objective of this edited book is to gather best practices in the development and management of mobile apps projects. Mobile Apps Engineering aims to provide software engineering lecturers, students and researchers of mobile computing a starting point for developing successful mobile apps. To achieve these objectives, the book's contributors emphasize the essential concepts of the field, such as apps design, testing and security, with the intention of offering a compact, self-contained book which shall stimulate further research interest in the topic. The editors hope and believe that their efforts in bringing this book together can make mobile apps engineering an independent discipline inspired

by traditional software engineering, but taking into account the new challenges posed by mobile computing.

Computerworld 2003-03-17 For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Cloud Computing and Security Xingming Sun 2018-09-25 This six volume set LNCS 11063 - 11068 constitutes the thoroughly refereed conference proceedings of the 4th International Conference on Cloud Computing and Security, ICCCS 2018, held in Haikou, China, in June 2018. The 386 full papers of these six volumes were carefully reviewed and selected from 1743 submissions. The papers cover ideas and achievements in the theory and practice of all areas of inventive systems which includes

control, artificial intelligence, automation systems, computing systems, electrical and informative systems. The six volumes are arranged according to the subject areas as follows: cloud computing, cloud security, encryption, information hiding, IoT security, multimedia forensics

Intelligent Data Sensing and Processing for Health and Well-being Applications Miguel

Antonio Wister Ovando 2018-07-26 Intelligent Data Sensing and Processing for Health and Well-being Applications uniquely combines full exploration of the latest technologies for sensor-collected intelligence with detailed coverage of real-case applications for healthcare and well-being at home and in the workplace. Forward-thinking in its approach, the book presents concepts and technologies needed for the implementation of today's mobile, pervasive and ubiquitous systems, and for tomorrow's IoT and cyber-physical systems. Users will find a detailed overview of the fundamental concepts of

gathering, processing and analyzing data from devices disseminated in the environment, as well as the latest proposals for collecting, processing and abstraction of data-sets. In addition, the book addresses algorithms, methods and technologies for diagnosis and informed decision-making for healthcare and well-being. Topics include emotional interface with ambient intelligence and emerging applications in detection and diagnosis of neurological diseases. Finally, the book explores the trends and challenges in an array of areas, such as applications for intelligent monitoring in the workplace for well-being, acquiring data traffic in cities to improve the assistance of first aiders, and applications for supporting the elderly at home. Examines the latest applications and future directions for mobile data sensing in an array of health and well-being scenarios Combines leading computing paradigms and technologies, development applications, empirical studies, and future trends in the

multidisciplinary field of smart sensors, smart sensor networks, data analysis and machine intelligence methods Features an analysis of security, privacy and ethical issues in smart sensor health and well-being applications Equips readers interested in interdisciplinary projects in ubiquitous computing or pervasive computing and ambient intelligence with the latest trends and developments

De lange weg naar de vrijheid Nelson Mandela 2017-10-21 De lange weg naar de vrijheid is de beroemde autobiografie van een van de grootste mannen van de twintigste eeuw. Nelson Mandela beschrijft de lange weg die hij heeft moeten afleggen van onwetende jongen tot charismatisch staatsman. Dit is het verhaal van misschien wel de wonderbaarlijkste omwenteling in de geschiedenis, verteld door de man die het allemaal heeft meegemaakt en in gang gezet. Het verhaal van Mandela, door Mandela.

The Jones & Baker Curb News ... Jones & Baker,

Firm, Brokers 1919

Security and Privacy for Implantable Medical

Devices Wayne Burlison 2013-12-03 This book presents a systematic approach to analyzing the challenging engineering problems posed by the need for security and privacy in implantable medical devices (IMD). It describes in detail new issues termed as lightweight security, due to the associated constraints on metrics such as available power, energy, computing ability, area, execution time, and memory requirements. Coverage includes vulnerabilities and defense across multiple levels, with basic abstractions of cryptographic services and primitives such as public key cryptography, block ciphers and digital signatures. Experts from Computer Security and Cryptography present new research which shows vulnerabilities in existing IMDs and proposes solutions. Experts from Privacy Technology and Policy will discuss the societal, legal and ethical challenges surrounding IMD security as well as

technological solutions that build on the latest in Computer Science privacy research, as well as lightweight solutions appropriate for implementation in IMDs.

Interconnecting Smart Objects with IP Jean-Philippe Vasseur 2010-07-06 Interconnecting Smart Objects with IP: The Next Internet explains why the Internet Protocol (IP) has become the protocol of choice for smart object networks. IP has successfully demonstrated the ability to interconnect billions of digital systems on the global Internet and in private IP networks. Once smart objects can be easily interconnected, a whole new class of smart object systems can begin to evolve. The book discusses how IP-based smart object networks are being designed and deployed. The book is organized into three parts. Part 1 demonstrates why the IP architecture is well suited to smart object networks, in contrast to non-IP based sensor network or other proprietary systems that interconnect to IP networks (e.g. the public

Internet of private IP networks) via hard-to-manage and expensive multi-protocol translation gateways that scale poorly. Part 2 examines protocols and algorithms, including smart objects and the low power link layers technologies used in these networks. Part 3 describes the following smart object network applications: smart grid, industrial automation, smart cities and urban networks, home automation, building automation, structural health monitoring, and container tracking. Shows in detail how connecting smart objects impacts our lives with practical implementation examples and case studies Provides an in depth understanding of the technological and architectural aspects underlying smart objects technology Offers an in-depth examination of relevant IP protocols to build large scale smart object networks in support of a myriad of new services

Mobile Interaction Design Matt Jones

2006-02-03 Mobile Interaction Design shifts the

design perspective away from the technology and concentrates on usability; in other words the book concentrates on developing interfaces and devices with a great deal of sensitivity to human needs, desires and capabilities. Presents key interaction design ideas and successes in an accessible, relevant way Exercises, case studies and study questions make this book ideal for students. Provides ideals and techniques which will enable designers to create the next generation of effective mobile applications. Critiques current mobile interaction design (bloopers) to help designers avoid pitfalls. Design challenges and worked examples are given to reinforce ideas. Discusses the new applications and gadgets requiring knowledgeable and inspired thinking about usability and design. Authors have extensive experience in mobile interaction design, research, industry and teaching

InfoWorld 2000-04-17 InfoWorld is targeted to Senior IT professionals. Content is segmented

into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

HWM 2002-09 Singapore's leading tech magazine gives its readers the power to decide with its informative articles and in-depth reviews.

Wireless and Mobile Device Security Jim Doherty 2021-03-31 Written by an industry expert, *Wireless and Mobile Device Security* explores the evolution of wired networks to wireless networking and its impact on the corporate world.

Artificial Intelligence and Cybersecurity Ishaani Priyadarshini 2022-02-04 Artificial intelligence and cybersecurity are two emerging fields that have made phenomenal contributions toward technological advancement. As cyber-attacks increase, there is a need to identify threats and thwart attacks. This book incorporates recent developments that artificial intelligence brings to the cybersecurity world. *Artificial Intelligence and Cybersecurity*:

Advances and Innovations provides advanced system implementation for Smart Cities using artificial intelligence. It addresses the complete functional framework workflow and explores basic and high-level concepts. The book is based on the latest technologies covering major challenges, issues and advances, and discusses intelligent data management and automated systems. This edited book provides a premier interdisciplinary platform for researchers, practitioners and educators. It presents and discusses the most recent innovations, trends and concerns as well as practical challenges and solutions adopted in the fields of artificial intelligence and cybersecurity.

Computer and Information Security Handbook John R. Vacca 2009-05-04 Presents information on how to analyze risks to your networks and the steps needed to select and deploy the appropriate countermeasures to reduce your exposure to physical and network threats. Also imparts the skills and knowledge

needed to identify and counter some fundamental security risks and requirements, including Internet security threats and measures (audit trails IP sniffing/spoofing etc.) and how to implement security policies and procedures. In addition, this book covers security and network design with respect to particular vulnerabilities and threats. It also covers risk assessment and mitigation and auditing and testing of security systems as well as application standards and technologies required to build secure VPNs, configure client software and server operating systems, IPsec-enabled routers, firewalls and SSL clients. This comprehensive book will provide essential knowledge and skills needed to select, design and deploy a public key infrastructure (PKI) to secure existing and future applications. * Chapters contributed by leaders in the field cover theory and practice of computer security technology, allowing the reader to develop a new level of technical expertise * Comprehensive and up-to-date

coverage of security issues facilitates learning and allows the reader to remain current and fully informed from multiple viewpoints * Presents methods of analysis and problem-solving techniques, enhancing the reader's grasp of the material and ability to implement practical solutions

Electronic Governance and Open Society: Challenges in Eurasia Andrei Chugunov

2019-02-09 This book constitutes the refereed proceedings of the 5th Conference on Electronic Governance and Open Society: Challenges in Eurasia, EGOSE 2018, held in St. Petersburg, Russia, in November 2018. The 36 revised full papers were carefully reviewed and selected from 98 submissions. The papers are organized in topical sections on smart city infrastructure, policy; digital privacy, rights, security; data science, machine learning, algorithms, computational linguistics; digital public administration, economy, policy; digital services, values, inclusion; digital democracy,

participation, security, communities, social media, activism; social media discourse analysis; digital data, policy modeling; digital government, administration, communication.

Information Security Management Michael Workman 2021-10-15 "This textbook provides an overview of information and cybersecurity and offers a summary of security topics that are addressed in more detail in the ISSA series. The text begins with foundational materials that cover the broad spectrum of information technology management. The text then focuses on specific aspects of information security design, development, control, and governance. Finally, we delve into advanced research and development topics such as emerging threats, and what we are doing in the R&D field to try to address them"--

Physical Layer Security Khoa N. Le 2021-01-24 This book studies the vulnerability of wireless communications under line-of-sight (LoS) and non-LoS correlated fading

environments. The authors theoretically and practically provide physical layer security analyses for several technologies and networks such as Fifth-Generation (5G) networks, Internet of Things (IoT) applications, and Non-orthogonal multiple access (NOMA). The authors have provided these under various practical scenarios, and developed theoretical aspects to validate their proposed applications. Presents physical layer security (PLS) under correlated fading environments, 5G wireless networks, and NOMA networks; Provides end-to-end analyses, combination of channel correlation and outdated CSI and their effects on PL; Includes contributions of PLS research written by global experts in academia and industry.

Cyber Security Intelligence and Analytics Zheng Xu 2021-03-09 This book presents the outcomes of the 2021 International Conference on Cyber Security Intelligence and Analytics (CSIA 2021), an international conference dedicated to promoting novel theoretical and applied

research advances in the interdisciplinary field of cyber security, particularly focusing on threat intelligence, analytics, and countering cybercrime. The conference provides a forum for presenting and discussing innovative ideas, cutting-edge research findings and novel techniques, methods and applications on all aspects of cyber security intelligence and analytics. Due to COVID-19, Authors, Keynote Speakers and PC committees will attend the conference online.

Cybercrime and Digital Forensics Thomas J. Holt 2022-05-31 This book offers a comprehensive and integrative introduction to cybercrime. It provides an authoritative synthesis of the disparate literature on the various types of cybercrime, the global investigation and detection of cybercrime and the role of digital information, and the wider role of technology as a facilitator for social relationships between deviants and criminals. It includes coverage of: • key theoretical and

methodological perspectives; • computer hacking and malicious software; • digital piracy and intellectual theft; • economic crime and online fraud; • pornography and online sex crime; • cyber-bullying and cyber-stalking; • cyber-terrorism and extremism; • the rise of the Dark Web; • digital forensic investigation and its legal context around the world; • the law enforcement response to cybercrime transnationally; • cybercrime policy and legislation across the globe. The new edition has been revised and updated, featuring two new chapters; the first offering an expanded discussion of cyberwarfare and information operations online, and the second discussing illicit market operations for all sorts of products on both the Open and Dark Web. This book includes lively and engaging features, such as discussion questions, boxed examples of unique events and key figures in offending, quotes from interviews with active offenders, and a full glossary of terms. It is supplemented by a

companion website that includes further exercises for students and instructor resources. This text is essential reading for courses on cybercrime, cyber-deviancy, digital forensics, cybercrime investigation, and the sociology of technology.

Cryptography and Security: From Theory to Applications David Naccache 2012-02-21 This Festschrift volume, published in honor of Jean-Jaques Quisquater on the occasion of his 65th Birthday, contains 33 papers from colleagues all over the world and deals with all the fields to which Jean-Jaques dedicated his work during his academic career. Focusing on personal tributes and re-visits of Jean-Jaques Quisquater's legacy, the volume addresses the following central topics: symmetric and asymmetric cryptography, side-channels attacks, hardware and implementations, smart cards, and information security. In addition there are four more contributions just "as diverse as Jean-Jacques' scientific interests".

Mobile Application Development, Usability, and Security Mukherjea, Sougata 2016-10-19

The development of mobile technology has experienced exponential growth in recent years. Mobile devices are ubiquitous in modern society, impacting both our personal and professional lives. Mobile Application Development, Usability, and Security provides a thorough overview on the different facets of mobile technology management and its integration into modern society. Highlighting issues related to analytics, cloud computing, and different types of application development, this book is a pivotal reference source for professionals, researchers, upper-level students, and practitioners actively involved in the area of mobile computing.

[ICMLG 2017 5th International Conference on Management Leadership and Governance](#)
Academic Conferences and Publishing Limited
2017-03

Radio Frequency Identification: Security and Privacy Issues Nitesh Saxena 2014-11-14

This book constitutes the refereed post-proceedings of the 10th Workshop on RFID Security and Privacy, RFIDSec 2014, held in Oxford, UK, in 2014. The 9 revised full papers and 4 short papers presented in this volume were carefully reviewed and selected from 27 submissions. The papers deal with topics such as RFID power-efficiency, privacy, authentication and side channels, and key exchange.

Sensing and Systems in Pervasive

Computing Dan Chalmers 2011-07-25 Focus on issues and principles in context awareness, sensor processing and software design (rather than sensor networks or HCI or particular commercial systems). Designed as a textbook, with readings and lab problems in most chapters. Focus on concepts, algorithms and ideas rather than particular technologies.

Digital Forensics, Investigation, and

Response Chuck Easttom 2021-08-10 Digital Forensics, Investigation, and Response, Fourth Edition examines the fundamentals of system

forensics, addresses the tools, techniques, and methods used to perform computer forensics and investigation, and explores incident and intrusion response,

Global Perspectives In Information Security

Hossein Bidgoli 2008-09-16 Global Perspectives in Information Security, compiled by renowned expert and professor Hossein Bidgoli, offers an expansive view of current issues in information security. Written by leading academics and practitioners from around the world, this thorough resource explores and examines a wide range of issues and perspectives in this rapidly expanding field. Perfect for students, researchers, and practitioners alike, Professor Bidgoli's book offers definitive coverage of established and cutting-edge theory and application in information security.

Handbook of Optimization in Complex Networks

My T. Thai 2011-11-25 Complex Social Networks is a newly emerging (hot) topic with applications in a variety of domains, such as communication

networks, engineering networks, social networks, and biological networks. In the last decade, there has been an explosive growth of research on complex real-world networks, a theme that is becoming pervasive in many disciplines, ranging from mathematics and computer science to the social and biological sciences. Optimization of complex communication networks requires a deep understanding of the interplay between the dynamics of the physical network and the information dynamics within the network. Although there are a few books addressing social networks or complex networks, none of them has specially focused on the optimization perspective of studying these networks. This book provides the basic theory of complex networks with several new mathematical approaches and optimization techniques to design and analyze dynamic complex networks. A wide range of applications and optimization problems derived from research areas such as

cellular and molecular chemistry, operations research, brain physiology, epidemiology, and ecology.

ICCWS 2017 12th International Conference on Cyber Warfare and Security Dr. Robert F. Mills 2017

Security Risk Models for Cyber Insurance

David Rios Insua 2020-12-21 Tackling the cybersecurity challenge is a matter of survival for society at large. Cyber attacks are rapidly increasing in sophistication and magnitude—and in their destructive potential. New threats emerge regularly, the last few years having seen a ransomware boom and distributed denial-of-service attacks leveraging the Internet of Things. For organisations, the use of cybersecurity risk management is essential in order to manage these threats. Yet current frameworks have drawbacks which can lead to the suboptimal allocation of cybersecurity resources. Cyber insurance has been touted as part of the solution - based on the idea that

insurers can incentivize companies to improve their cybersecurity by offering premium discounts – but cyber insurance levels remain limited. This is because companies have difficulty determining which cyber insurance products to purchase, and insurance companies struggle to accurately assess cyber risk and thus develop cyber insurance products. To deal with these challenges, this volume presents new models for cybersecurity risk management, partly based on the use of cyber insurance. It contains: A set of mathematical models for cybersecurity risk management, including (i) a model to assist companies in determining their optimal budget allocation between security products and cyber insurance and (ii) a model to assist insurers in designing cyber insurance products. The models use adversarial risk analysis to account for the behavior of threat actors (as well as the behavior of companies and insurers). To inform these models, we draw on psychological and behavioural economics studies

of decision-making by individuals regarding cybersecurity and cyber insurance. We also draw on organizational decision-making studies involving cybersecurity and cyber insurance. Its theoretical and methodological findings will appeal to researchers across a wide range of cybersecurity-related disciplines including risk and decision analysis, analytics, technology management, actuarial sciences, behavioural sciences, and economics. The practical findings will help cybersecurity professionals and insurers enhance cybersecurity and cyber insurance, thus benefiting society as a whole. This book grew out of a two-year European Union-funded project under Horizons 2020, called CYBECO (Supporting Cyber Insurance from a Behavioral Choice Perspective). *Body Area Networks. Smart IoT and Big Data for Intelligent Health* Muhammad Mahtab Alam 2020-12-14 This book constitutes the refereed post-conference proceedings of the 15th International Conference on Body Area

Networks, BodyNets 2020, held in Tallinn, Estonia, in October 2020. The conference was held virtually due to the COVID-19 pandemic. The 15 papers presented were selected from 30 submissions and issue new technologies to provide trustable measuring and communications mechanisms from the data source to medical health databases. Wireless body area networks (WBAN) are one major element in this process. Not only on-body devices but also technologies providing information from inside a body are in the focus of this conference. Dependable communications combined with accurate localization and behavior analysis will benefit WBAN technology and make the healthcare processes more effective.

Smart Intelligent Computing and Applications

Suresh Chandra Satapathy 2019-09-26 This book gathers high-quality papers presented at the Third International Conference on Smart Computing and Informatics (SCI 2018-19),

which was organized by the School of Computer Engineering and School of Computer Application, Kalinga Institute of Industrial Technology, Bhubaneswar, India, on 21-22 December, 2018. It includes advanced and multi-disciplinary research on the design of smart computing and informatics. Thematically, the book broadly focuses on several innovation paradigms in system knowledge, intelligence and sustainability that can help to provide realistic solutions to various problems confronting society, the environment, and industry. The respective papers offer valuable insights into the how emerging computational and knowledge transfer approaches can be used to deliver optimal solutions in science, technology and healthcare.

Battery Operated Devices and Systems

Gianfranco Pistoia 2008-09-24 Battery Operated Devices and Systems provides a comprehensive review of the essentials of batteries and battery applications as well as state-of-the-art

technological developments. The book covers the most recent trends, especially for the ubiquitous lithium ion batteries. It lays particular emphasis on the power consumption of battery operated devices and systems and the implications for battery life and runtime. Battery management is also dealt with in detail, particularly as far as the charging methods are concerned, along with the criteria of battery choice. This book describes a variety of portable and industrial applications and the basic characteristics of all primary and secondary batteries used in these applications. Portable applications include mobile phones, notebook computers, cameras, camcorders, personal digital assistants, medical instruments, power tools, and portable GPS. Industrial applications range from aerospace and

telecommunications to emergency systems, load levelling, energy storage, toll collection, different meters, data loggers, oil drilling, oceanography, and meteorology. The book also discusses wireless connectivity, i.e. Wi-Fi, Bluetooth and Zigbee, and concludes with some market considerations. Links to further reading are provided through the 275 references. This book will be a valuable information source for researchers interested in devices and systems drawing power from batteries. It will also appeal to graduates working in research institutions; universities and industries dealing with power sources and energy conversion; civil, electrical and transport engineers; and chemists. A comprehensive review of battery applications Includes 209 figures and 62 tables Describes state-of-the-art technological developments