

Network Security Attacks And Countermeasures By Dileep Kumar G

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Emerging Real-World Applications of Internet of Things - Anshul Verma 2022-11-24

The Internet of things (IoT) is a network of connected physical objects or things that are working along with sensors, wireless transceiver modules, processors, and software required for

connecting, processing, and exchanging data among the other devices over the Internet.

These objects or things are devices ranging from simple handheld devices to complex industrial heavy machines. A thing in IoT can be any living or non-living object that can be provided

capabilities to sense, process, and exchange data over a network. The IoT provides people with the ability to handle their household works to industrial tasks smartly and efficiently without the intervention of another human. The IoT provides smart devices for home automation as well as business solutions for delivering insights into everything from real-time monitoring of working systems to supply chain and logistics operations. The IoT has become one of the most prominent technological inventions of the 21st century. Due to the versatility of IoT devices, there are numerous real-world applications of the IoT in various domains such as smart home, smart city, health care, agriculture, industry, and transportation. The IoT has emerged as a paradigm-shifting technology that is influencing various industries. Many companies, governments, and civic bodies are shifting to IoT applications to improve their works and to become more efficient. The world is slowly transforming toward a "smart world" with smart

devices. As a consequence, it shows many new opportunities coming up in the near "smart" future for IoT professionals. Therefore, there is a need to keep track of advancements related to IoT applications and further investigate several research challenges related to the applicability of IoT in different domains to make it more adaptable for practical and industrial use. With this goal, this book provides the most recent and prominent applications of IoT in different domains as well as issues and challenges in developing IoT applications for various new domains.

Security Solutions for Hyperconnectivity and the Internet of Things - Dawson, Maurice
2016-08-30

The Internet of Things describes a world in which smart technologies enable objects with a network to communicate with each other and interface with humans effortlessly. This connected world of convenience and technology does not come without its drawbacks, as

interconnectivity implies hackability. *Security Solutions for Hyperconnectivity and the Internet of Things* offers insights from cutting-edge research about the strategies and techniques that can be implemented to protect against cyber-attacks. Calling for revolutionary protection strategies to reassess security, this book is an essential resource for programmers, engineers, business professionals, researchers, and advanced students in relevant fields.

Network Security Attacks and Countermeasures

- G., Dileep Kumar 2016-01-18

Our world is increasingly driven by sophisticated networks of advanced computing technology, and the basic operation of everyday society is becoming increasingly vulnerable to those networks' shortcomings. The implementation and upkeep of a strong network defense is a substantial challenge, beset not only by economic disincentives, but also by an inherent logistical bias that grants advantage to attackers. *Network Security Attacks and*

Countermeasures discusses the security and optimization of computer networks for use in a variety of disciplines and fields. Touching on such matters as mobile and VPN security, IP spoofing, and intrusion detection, this edited collection emboldens the efforts of researchers, academics, and network administrators working in both the public and private sectors. This edited compilation includes chapters covering topics such as attacks and countermeasures, mobile wireless networking, intrusion detection systems, next-generation firewalls, and more.

Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014 - Suresh Chandra Satapathy 2014-10-17

This volume contains 95 papers presented at FICTA 2014: Third International Conference on Frontiers in Intelligent Computing: Theory and Applications. The conference was held during 14-15, November, 2014 at Bhubaneswar, Odisha, India. This volume contains papers mainly

focused on Data Warehousing and Mining, Machine Learning, Mobile and Ubiquitous Computing, AI, E-commerce & Distributed Computing and Soft Computing, Evolutionary Computing, Bio-inspired Computing and its Applications.

Automated Methods in Cryptographic Fault Analysis - Jakub Breier 2019-03-19

This book presents a collection of automated methods that are useful for different aspects of fault analysis in cryptography. The first part focuses on automated analysis of symmetric cipher design specifications, software implementations, and hardware circuits. The second part provides automated deployment of countermeasures. The third part provides automated evaluation of countermeasures against fault attacks. Finally, the fourth part focuses on automating fault attack experiments. The presented methods enable software developers, circuit designers, and cryptographers to test and harden their

products.

Industrial Internet of Things - Anand Sharma 2022-04-06

This book focuses on the key technologies, challenges, and research directions of the Industrial Internet of Things (IIoT). It provides a basis for discussing open principles, methods, and research problems, and provides a systematic overview of the state-of-the-art research efforts, directions, and potential challenges associated with IIoT. Industrial Internet of Things: Technologies and Research Directions covers how industry automation is projected to be the largest and fastest-growing segment of the market. It explores the collaborative development of high-performance telecommunications, military, industrial, and general-purpose embedded computing applications, and offers a systematic overview of the state-of-the-art research efforts and new potential directions. Researchers, academicians, and professionals working in this inter-

disciplinary area will be interested in this book.
Information Systems and Management Science -
Lalit Garg 2022-12-30
This multidisciplinary book delves into information systems' concepts, principles, methods and procedures and their innovative applications in management science and other domains, including business, industry, health care and education. It will be valuable to students, researchers, academicians, developers, policymakers and managers thriving to improve their information and management systems, develop new strategies to solve complex problems and implement novel techniques to utilise the massive data best. This book of Information Systems and Management Science (proceedings of ISMS 2021) is intended to be used as a reference by scholars, scientists and practitioners who collect scientific and technical contributions concerning models, tools, technologies and applications in the field of information systems and management science.

This book shows how to exploit information systems in a technology-rich management field.
New Trends and Applications in Internet of Things (IoT) and Big Data Analytics - Rohit Sharma 2022-06-17

This book focuses on the use of The Internet of Things (IoT) and big data in business intelligence, data management, Hadoop, machine learning, cloud, smart cities, etc. IoT and big data emerged from the early 2000s data boom, driven forward by many of the early internet and technology companies. The Internet of Things (IoT) is an interconnection of several devices, networks, technologies, and human resources to achieve a common goal. There are a variety of IoT-based applications being used in different sectors and have succeeded in providing huge benefits to the users. The generation of big data by IoT has ruptured the existing data processing capacity of IoT and recommends to adopt the data analytics to strengthen solutions. The success of IoT depends

upon the influential association of big data analytics. New technologies like search engines, mobile devices, and industrial machines provided as much data as companies could handle—and the scale continues to grow. In a study conducted by IDC, the market intelligence firm estimated that the global production of data would grow 10x between 2015 and 2020. So, the proposed book covers up all the aspects in the field discuss above.

Secession and Security - Ahsan I. Butt
2017-11-15

"The book is an excellent addition to the scholarly literature on subnational movements, both past and present, offering a range of insights to policymakers across the globe."—Ayesha Jalal, author of *The Struggle for Pakistan* "With judicious use of empirical evidence and rich case studies, Ahsan I. Butt makes a compelling case that states' responses to secessionist movements turn to a considerable degree on their external security

environments."—S. Paul Kapur, author of *Jihad as Grand Strategy In Secession and Security*, Ahsan I. Butt argues that states, rather than separatists, determine whether a secessionist struggle will be peaceful, violent, or genocidal. He investigates the strategies, ranging from negotiated concessions to large-scale repression, adopted by states in response to separatist movements. Variations in the external security environment, Butt argues, influenced the leaders of the Ottoman Empire to use peaceful concessions against Armenians in 1908 but escalated to genocide against the same community in 1915; caused Israel to reject a Palestinian state in the 1990s; and shaped peaceful splits in Czechoslovakia in 1993 and the Norway-Sweden union in 1905. Using more than one hundred interviews and extensive archival data, Butt focuses on two main cases—Pakistani reactions to Bengali and Baloch demands for independence in the 1970s and India's responses to secessionist movements in Kashmir, Punjab,

and Assam in the 1980s and 1990s. Butt's deep historical approach to his subject will appeal to policymakers and observers interested in the last five decades of geopolitics in South Asia, the contemporary Israeli-Palestinian conflict, and ethno-national conflict, separatism, and nationalism more generally.

Global Issues in Contemporary Policing - John A. Eterno 2017-03-03

This book addresses six areas of policing: performance management, professional and academic partnerships, preventing and fighting crime and terrorism, immigrant and multicultural populations, policing the police, and cyber-security. The book contains the most current and ground-breaking research across the world of policing with contributors from over 20 countries. It is also a suitable reference or textbook in a special topics course. It consists of edited versions of the best papers presented at the IPES annual meeting in Budapest.

Handbook of Big Data Analytics and

Forensics - Kim-Kwang Raymond Choo 2021
This handbook discusses challenges and limitations in existing solutions, and presents state-of-the-art advances from both academia and industry, in big data analytics and digital forensics. The second chapter comprehensively reviews IoT security, privacy, and forensics literature, focusing on IoT and unmanned aerial vehicles (UAVs). The authors propose a deep learning-based approach to process cloud's log data and mitigate enumeration attacks in the third chapter. The fourth chapter proposes a robust fuzzy learning model to protect IT-based infrastructure against advanced persistent threat (APT) campaigns. Advanced and fair clustering approach for industrial data, which is capable of training with huge volume of data in a close to linear time is introduced in the fifth chapter, as well as offering an adaptive deep learning model to detect cyberattacks targeting cyber physical systems (CPS) covered in the sixth chapter. The authors evaluate the

performance of unsupervised machine learning for detecting cyberattacks against industrial control systems (ICS) in chapter 7, and the next chapter presents a robust fuzzy Bayesian approach for ICS's cyber threat hunting. This handbook also evaluates the performance of supervised machine learning methods in identifying cyberattacks against CPS. The performance of a scalable clustering algorithm for CPS's cyber threat hunting and the usefulness of machine learning algorithms for MacOS malware detection are respectively evaluated. This handbook continues with evaluating the performance of various machine learning techniques to detect the Internet of Things malware. The authors demonstrate how MacOSX cyberattacks can be detected using state-of-the-art machine learning models. In order to identify credit card frauds, the fifteenth chapter introduces a hybrid model. In the sixteenth chapter, the editors propose a model that leverages natural language processing

techniques for generating a mapping between APT-related reports and cyber kill chain. A deep learning-based approach to detect ransomware is introduced, as well as a proposed clustering approach to detect IoT malware in the last two chapters. This handbook primarily targets professionals and scientists working in Big Data, Digital Forensics, Machine Learning, Cyber Security Cyber Threat Analytics and Cyber Threat Hunting as a reference book. Advanced level-students and researchers studying and working in Computer systems, Computer networks and Artificial intelligence will also find this reference useful.

Innovative Solutions for Access Control Management - Malik, Ahmad Kamran

2016-05-16

Technological innovation and evolution continues to improve personal and professional lifestyles, as well as general organizational and business practices; however, these advancements also create potential issues in the

security and privacy of the user's information. Innovative Solutions for Access Control Management features a comprehensive discussion on the trending topics and emergent research in IT security and governance. Highlighting theoretical frameworks and best practices, as well as challenges and solutions within the topic of access control and management, this publication is a pivotal reference source for researchers, practitioners, students, database vendors, and organizations within the information technology and computer science fields.

Logics of War - Alex Weisiger 2013-03-19

Most wars between countries end quickly and at relatively low cost. The few in which high-intensity fighting continues for years bring about a disproportionate amount of death and suffering. What separates these few unusually long and intense wars from the many conflicts that are far less destructive? In *Logics of War*, Alex Weisiger tests three explanations for a

nation's decision to go to war and continue fighting regardless of the costs. He combines sharp statistical analysis of interstate wars over the past two centuries with nine narrative case studies. He examines both well-known conflicts like World War II and the Persian Gulf War, as well as unfamiliar ones such as the 1864-1870 Paraguayan War (or the War of the Triple Alliance), which proportionally caused more deaths than any other war in modern history. When leaders go to war expecting easy victory, events usually correct their misperceptions quickly and with fairly low casualties, thereby setting the stage for a negotiated agreement. A second explanation involves motives born of domestic politics; as war becomes more intense, however, leaders are increasingly constrained in their ability to continue the fighting. Particularly destructive wars instead arise from mistrust of an opponent's intentions. Countries that launch preventive wars to forestall expected decline tend to have particularly ambitious war aims

that they hold to even when fighting goes poorly. Moreover, in some cases, their opponents interpret the preventive attack as evidence of a dispositional commitment to aggression, resulting in the rejection of any form of negotiation and a demand for unconditional surrender. Weisiger's treatment of a topic of central concern to scholars of major wars will also be read with great interest by military historians, political psychologists, and sociologists.

Computer Communication, Networking and

IoT - Vikrant Bhateja 2021-07-25

This book features a collection of high-quality, peer-reviewed papers presented at the Fourth International Conference on Intelligent Computing and Communication (ICICC 2020) organized by the Department of Computer Science and Engineering and the Department of Computer Science and Technology, Dayananda Sagar University, Bengaluru, India, on 18-20 September 2020. The book is organized in two

volumes and discusses advanced and multi-disciplinary research regarding the design of smart computing and informatics. It focuses on innovation paradigms in system knowledge, intelligence and sustainability that can be applied to provide practical solutions to a number of problems in society, the environment and industry. Further, the book also addresses the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in various disciplines of science, technology and health care.

[The Cloud-to-Thing Continuum](#) - Theo Lynn

2020-01-01

The Internet of Things offers massive societal and economic opportunities while at the same time significant challenges, not least the delivery and management of the technical infrastructure underpinning it, the deluge of data generated from it, ensuring privacy and security, and capturing value from it. This Open Access Pivot explores these challenges, presenting the state

of the art and future directions for research but also frameworks for making sense of this complex area. This book provides a variety of perspectives on how technology innovations such as fog, edge and dew computing, 5G networks, and distributed intelligence are making us rethink conventional cloud computing to support the Internet of Things. Much of this book focuses on technical aspects of the Internet of Things, however, clear methodologies for mapping the business value of the Internet of Things are still missing. We provide a value mapping framework for the Internet of Things to address this gap. While there is much hype about the Internet of Things, we have yet to reach the tipping point. As such, this book provides a timely entrée for higher education educators, researchers and students, industry and policy makers on the technologies that promise to reshape how society interacts and operates. Theo Lynn is Full Professor of Digital Business at DCU Business School, Ireland and

Director of the Irish Institute of Digital Business. John G. Mooney is Associate Professor of Information Systems and Technology Management at the Pepperdine Graziadio Business School, United States. Brian Lee is Director of the Software Research Institute at Athlone Institute of Technology. Patricia Takako Endo is a Postdoctoral Research Fellow at the Irish Institute of Digital Business, Dublin City University, Ireland, and a Professor at Universidade de Pernambuco, Brazil.

Computer Systems and Software Engineering: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2017-12-01 Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside computer applications to develop efficient and precise information databases. Computer Systems and

Software Engineering: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as utility computing, computer security, and information systems applications, this multi-volume book is ideally designed for academicians, researchers, students, web designers, software developers, and practitioners interested in computer systems and software engineering.

Managing Security Issues and the Hidden Dangers of Wearable Technologies - Marrington, Andrew 2016-08-26

Advances in mobile computing have provided numerous innovations that make people's daily lives easier and more convenient. However, as technology becomes more ubiquitous, corresponding risks increase as well. Managing

Security Issues and the Hidden Dangers of Wearable Technologies examines the positive and negative ramifications of emerging wearable devices and their potential threats to individuals, as well as organizations. Highlighting socio-ethical issues, policy implementation, and appropriate usage, this book is a pivotal reference source for professionals, policy makers, academics, managers, and students interested in the security and privacy implications of wearable digital devices.

Security Management in Mobile Cloud Computing - Munir, Kashif 2016-08-01
Mobile Cloud Computing (MCC) has experienced explosive growth and is expected to continue to rise in popularity as new services and applications become available. As with any new technology, security issues continue to be a concern and developing effective methods to protect sensitive information and data on the cloud is imperative. *Security Management in Mobile Cloud Computing* explores the difficulties

and challenges of securing user data and information on mobile cloud platforms. Investigating a variety of protocols and architectures that can be used to design, create, and develop security mechanisms, this publication is an essential resource for IT specialists, researchers, and graduate-level students interested in mobile cloud computing concepts and security.

Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security - Gupta, Brij 2016-05-16

Internet usage has become a facet of everyday life, especially as more technological advances have made it easier to connect to the web from virtually anywhere in the developed world. However, with this increased usage comes heightened threats to security within digital environments. The Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security identifies emergent research and techniques being utilized in the field of

cryptology and cyber threat prevention. Featuring theoretical perspectives, best practices, and future research directions, this handbook of research is a vital resource for professionals, researchers, faculty members, scientists, graduate students, scholars, and software developers interested in threat identification and prevention.

Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government - Management Association, Information Resources 2020-09-30
Even though blockchain technology was originally created as a ledger system for bitcoin to operate on, using it for areas other than cryptocurrency has become increasingly popular as of late. The transparency and security provided by blockchain technology is challenging innovation in a variety of businesses and is being applied in fields that include accounting and finance, supply chain management, and education. With the ability to

perform such tasks as tracking fraud and securing the distribution of medical records, this technology is key to the advancement of many industries. The Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government is a vital reference source that examines the latest scholarly material on trends, techniques, and uses of blockchain technology applications in a variety of industries, and how this technology can further transparency and security. Highlighting a range of topics such as cryptography, smart contracts, and decentralized blockchain, this multi-volume book is ideally designed for academics, researchers, industry leaders, managers, healthcare professionals, IT consultants, engineers, programmers, practitioners, government officials, policymakers, and students.

Futuristic Trends in Network and Communication Technologies - Pradeep Kumar Singh 2018-12-24

This book constitutes the refereed proceedings of the First International Conference on Futuristic Trends in Network and Communication Technologies, FTNCT 2018, held in Solan, India, in February 2018. The 37 revised full papers presented were carefully reviewed and selected from 239 submissions. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected papers are organized in topical sections on communication technologies, Internet of Things (IoT), network technologies, and wireless networks.

Examining Political Violence - David Lowe
2013-12-13

Security is undermined worldwide from political dissident activity and acts of terrorism targeted at innocent victims with no relation to the offenders. This political violence and terrorism plagues all continents and does not originate

solely from jihadist groups. With a view towards developing more effective measures of prevention and resolution, *Examining Political Violence: Studies of Terrorism, Counterterrorism, and Internal War* examines political violence in various national and international settings. A collection of works, some previously published as articles in the journal *Police Practice and Research*, the book provides both conceptual analysis and case studies, exploring historical and sociopolitical contexts of conflicts in order to help readers better understand these themes. Divided into three parts, the book begins by defining the concepts of terrorism and radicalization. It discusses countering terrorism through intelligence gathering, examines how a multiagency approach is necessary to be prepared for terrorist acts, and examines different policing models. It discusses the experiences of policing agencies' investigations into terrorist groups, and examines the targeting

of police officers by terrorist groups. Specifying the historical and sociopolitical contexts of conflicts is essential for understanding these themes. Control policies must be grounded in empirical realities, not ideological preferences or aversions. Bringing together theoretical concepts examined through operational and empirical findings, the book is written by academics researching the areas as well as practitioners working in the fields of counterterrorism and political violence. The conclusions drawn from these findings may assist in combating terrorism and political violence around the world.

[Big Data Analysis for Green Computing](#) - Rohit Sharma 2021-10-28

This book focuses on big data in business intelligence, data management, machine learning, cloud computing, and smart cities. It also provides an interdisciplinary platform to present and discuss recent innovations, trends, and concerns in the fields of big data and

analytics. Big Data Analysis for Green Computing: Concepts and Applications presents the latest technologies and covers the major challenges, issues, and advances of big data and data analytics in green computing. It explores basic as well as high-level concepts. It also includes the use of machine learning using big data and discusses advanced system implementation for smart cities. The book is intended for business and management educators, management researchers, doctoral scholars, university professors, policymakers, and higher academic research organizations.

Security in Computing and Communications

- Peter Mueller 2016-09-16

This book constitutes the refereed proceedings of the 4th International Symposium on Security in Computing and Communications, SSCC 2016, held in Jaipur, India, in September 2016. The 23 revised full papers presented together with 16 short papers and an invited paper were carefully reviewed and selected from 136 submissions.

The papers are organized in topical sections on cryptosystems, algorithms, primitives; security and privacy in networked systems; system and network security; steganography, visual cryptography, image forensics; applications security.

Computer Security And Risk Analysis -

Dileep Keshava Narayana 2018-11-18

Threats categories, computer security, Risk Analysis, Threats prioritization, Possible attack scenarios, Security policy for the usage of smartphones in the organization premises

Developing Next-Generation

Countermeasures for Homeland Security

Threat Prevention - Dawson, Maurice

2016-08-30

In the modern world, natural disasters are becoming more commonplace, unmanned systems are becoming the norm, and terrorism and espionage are increasingly taking place online. All of these threats have made it necessary for governments and organizations to

steel themselves against these threats in innovative ways. Developing Next-Generation Countermeasures for Homeland Security Threat Prevention provides relevant theoretical frameworks and empirical research outlining potential threats while exploring their appropriate countermeasures. This relevant publication takes a broad perspective, from network security, surveillance, reconnaissance, and physical security, all topics are considered with equal weight. Ideal for policy makers, IT professionals, engineers, NGO operators, and graduate students, this book provides an in-depth look into the threats facing modern society and the methods to avoid them.

Machine Learning Techniques for Improved Business Analytics - G., Dileep Kumar
2018-07-06

Analytical tools and algorithms are essential in business data and information systems. Efficient economic and financial forecasting in machine learning techniques increases gains while

reducing risks. Providing research on predictive models with high accuracy, stability, and ease of interpretation is important in improving data preparation, analysis, and implementation processes in business organizations. Machine Learning Techniques for Improved Business Analytics is a collection of innovative research on the methods and applications of artificial intelligence in strategic business decisions and management. Featuring coverage on a broad range of topics such as data mining, portfolio optimization, and social network analysis, this book is ideally designed for business managers and practitioners, upper-level business students, and researchers seeking current research on large-scale information control and evaluation technologies that exceed the functionality of conventional data processing techniques.

Micro-Electronics and Telecommunication Engineering - Devendra Kumar Sharma
2022-02-28

The book presents high-quality papers from the

Fourth International Conference on Microelectronics and Telecommunication Engineering (ICMETE 2021). It discusses the latest technological trends and advances in major research areas such as microelectronics, wireless communications, optical communication, signal processing, image processing, big data, cloud computing, artificial intelligence and sensor network applications. This book includes the contributions of national and international scientists, researchers, and engineers from both academia and the industry. The contents of this volume will be useful to researchers, professionals, and students alike.

Industrial Agents - Paulo Leitão 2015-03-13
Industrial Agents explains how multi-agent systems improve collaborative networks to offer dynamic service changes, customization, improved quality and reliability, and flexible infrastructure. Learn how these platforms can offer distributed intelligent management and control functions with communication,

cooperation and synchronization capabilities, and also provide for the behavior specifications of the smart components of the system. The book offers not only an introduction to industrial agents, but also clarifies and positions the vision, on-going efforts, example applications, assessment and roadmap applicable to multiple industries. This edited work is guided and co-authored by leaders of the IEEE Technical Committee on Industrial Agents who represent both academic and industry perspectives and share the latest research along with their hands-on experiences prototyping and deploying industrial agents in industrial scenarios. Learn how new scientific approaches and technologies aggregate resources such next generation intelligent systems, manual workplaces and information and material flow system Gain insight from experts presenting the latest academic and industry research on multi-agent systems Explore multiple case studies and example applications showing industrial agents

in a variety of scenarios Understand implementations across the enterprise, from low-level control systems to autonomous and collaborative management units

Urbanization, Policing, and Security - Gary Corder 2009-12-16

In terms of raw numbers, the amount of world urban dwellers have increased four-fold, skyrocketing from 740 million in 1950 to almost 3.3 billion in 2007. This ongoing urbanization will continue to create major security challenges in most countries. Based on contributions from academics and practitioners from countries as diverse as Nigeria, Pakistan

Cryptographic Solutions for Secure Online Banking and Commerce - Balasubramanian, Kannan 2016-05-20

Technological advancements have led to many beneficial developments in the electronic world, especially in relation to online commerce. Unfortunately, these advancements have also created a prime hunting ground for hackers to

obtain financially sensitive information and deterring these breaches in security has been difficult. *Cryptographic Solutions for Secure Online Banking and Commerce* discusses the challenges of providing security for online applications and transactions. Highlighting research on digital signatures, public key infrastructure, encryption algorithms, and digital certificates, as well as other e-commerce protocols, this book is an essential reference source for financial planners, academicians, researchers, advanced-level students, government officials, managers, and technology developers.

Applying Methods of Scientific Inquiry Into Intelligence, Security, and Counterterrorism - Sari, Arif 2019-05-31

Interdisciplinary and multidisciplinary research is slowly yet steadily revolutionizing traditional education. However, multidisciplinary research can and will also improve the extent to which a country can protect its critical and vital assets.

Applying Methods of Scientific Inquiry Into Intelligence, Security, and Counterterrorism is an essential scholarly publication that provides personnel directly working in the fields of intelligence, law enforcement, and science with the opportunity to understand the multidisciplinary nature of intelligence and science in order to improve current intelligence activities and contribute to the protection of the nation. Each chapter of the book discusses various components of science that should be applied to the intelligence arena. Featuring coverage on a range of topics including cybersecurity, economics, and political strategy, this book is ideal for law enforcement, intelligence and security practitioners, students, educators, and researchers.

Demonstration and evaluation of battery exhaustion attacks on mobile phones - Dileep

Keshava Narayana

Demonstration and evaluation of battery exhaustion attacks on mobile phones

Project/Dissertation: University of Greenwich, London, United Kingdom, 2012

Trust-Based Communication Systems for Internet of Things Applications - Prateek Agrawal 2022-06-17

TRUST-BASED COMMUNICATION SYSTEMS FOR INTERNET OF THINGS APPLICATIONS

Highlighting the challenges and difficulties in implementing trust-based communication systems for Internet of Things (IoT) services and applications, this innovative new volume is a critical reference source for academics, professionals, engineers, technology designers, analysts, and students. The primary objective of this edited book is to deliver technologies to improve trust and eliminate malicious actors in participatory exchanges throughout communication using Internet of Things (IOT) devices such that these methods should not only be able to identify bad actors but also to improve communication and trust in the environment without violating object privacy. Whether as a

reference for the engineer or scientist or a textbook for the student, this is a must-have for any library.

Data Structures Through C++ - G. Dileep Kumar 2015-08-04

Smart and Sustainable Technologies - Srikanta Patnaik 2022

This book presents a collection of peer-reviewed best selected research papers presented at the First International Conference on Smart and Sustainable Technologies (ICSST 2021), organized by Department of ECE, GIET University, Gunupur, Rayagada, Odisha, India, during December 16-18, 2021. The proceedings of the conference have a special focus on the developments of local tribe and rural people using smart and sustainable technologies. It is an interdisciplinary platform for researchers, practitioners, and educators as well as NGO workers who are working in the area of web engineering, IoT and cloud computing, Internet

of Everything, data science, artificial intelligence, machine learning, computer vision, and intelligent robotics, particularly for the rural and tribal development.

Sensor Technology: Concepts, Methodologies, Tools, and Applications - Management

Association, Information Resources 2020-02-07

Collecting and processing data is a necessary aspect of living in a technologically advanced society. Whether it's monitoring events, controlling different variables, or using decision-making applications, it is important to have a system that is both inexpensive and capable of coping with high amounts of data. As the application of these networks becomes more common, it becomes imperative to evaluate their effectiveness as well as other opportunities for possible implementation in the future. *Sensor Technology: Concepts, Methodologies, Tools, and Applications* is a vital reference source that brings together new ways to process and monitor data and to put it to work in everything

from intelligent transportation systems to healthcare to multimedia applications. It also provides inclusive coverage on the processing and applications of wireless communication, sensor networks, and mobile computing.

Highlighting a range of topics such as internet of things, signal processing hardware, and wireless sensor technologies, this multi-volume book is ideally designed for research and development engineers, IT specialists, developers, graduate students, academics, and researchers.

Effective Big Data Management and Opportunities for Implementation - Singh, Manoj Kumar 2016-06-20

“Big data” has become a commonly used term to describe large-scale and complex data sets which are difficult to manage and analyze using standard data management methodologies. With applications across sectors and fields of study, the implementation and possible uses of big data are limitless. *Effective Big Data Management and Opportunities for Implementation* explores

emerging research on the ever-growing field of big data and facilitates further knowledge development on methods for handling and interpreting large data sets. Providing multi-disciplinary perspectives fueled by international research, this publication is designed for use by data analysts, IT professionals, researchers, and graduate-level students interested in learning about the latest trends and concepts in big data. *Securing the Internet of Things: Concepts, Methodologies, Tools, and Applications* - Management Association, Information Resources 2019-09-06

The ubiquity of modern technologies has allowed for increased connectivity between people and devices across the globe. This connected infrastructure of networks creates numerous opportunities for applications and uses. As the applications of the internet of things continue to progress so do the security concerns for this technology. The study of threat prevention in the internet of things is necessary as security

breaches in this field can ruin industries and lives. Securing the Internet of Things: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines recent developments and emerging trends in security and privacy for the internet of things through new models, practical solutions, and technological advancements related to security. Highlighting a range of topics such as cloud security, threat detection, and open source software, this multi-volume book is ideally designed for engineers, IT consultants, ICT procurement managers, network system integrators, infrastructure service providers, researchers, academics, and professionals interested in current research on security practices pertaining to the internet of things. Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2020-03-06
Through the rise of big data and the internet of

things, terrorist organizations have been freed from geographic and logistical confines and now have more power than ever before to strike the average citizen directly at home. This, coupled with the inherently asymmetrical nature of cyberwarfare, which grants great advantage to the attacker, has created an unprecedented national security risk that both governments and their citizens are woefully ill-prepared to face. Examining cyber warfare and terrorism through a critical and academic perspective can lead to a better understanding of its foundations and implications. Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications is an essential reference for the latest research on the utilization of online tools by terrorist organizations to communicate with and recruit potential extremists and examines effective countermeasures employed by law enforcement agencies to defend against such threats. Highlighting a range of topics such as cyber threats, digital intelligence, and

counterterrorism, this multi-volume book is ideally designed for law enforcement, government officials, lawmakers, security

analysts, IT specialists, software developers, intelligence and security practitioners, students, educators, and researchers.