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Transforming Government Organizations
Research Anthology on Artificial Intelligence Applications in Security
US National Cybersecurity
Foundations of Homeland Security
Cybercrime and Information Technology
China's Iron Ore Boom
The Professional Protection Officer
Politics and Technology in the Post-Truth Era
The Unhackable Internet
European Criminal Law
The Risk Management Process for Federal Facilities: An Interagency Security Committee Standard
Industry Perspectives on the President's Cybersecurity Information-sharing Proposal
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Atmospheric Reactive Nitrogen in China
The Digital Supply Chain

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Transforming Government Organizations

John Wiley & Sons
The Digital Supply Chain is a thorough investigation of the underpinning technologies, systems, platforms and models that enable the design, management, and control of digitally connected supply chains. The book examines the origin, emergence and building blocks of the Digital Supply Chain, showing how and where the virtual and physical supply chain worlds interact. It reviews the enabling technologies that underpin digitally controlled supply chains and examines how the discipline of supply chain management is affected by enhanced digital connectivity, discussing purchasing and procurement, supply chain traceability, performance management, and supply chain cyber security. The book provides a rich set of cases on current digital practices and challenges across a range of industrial and business sectors including the retail, textiles and clothing, the automotive industry, food, shipping and international logistics, and SMEs. It concludes with research frontiers, discussing network science for supply chain analysis, challenges in Blockchain applications and in digital supply chain surveillance, as well as the need to re-conceptualize supply chain strategies for digitally transformed supply chains.
Research Anthology on Artificial Intelligence Applications in Security
FriesenPress
This volume explores the contemporary challenges to US national cybersecurity. Taking stock of the field, it features contributions by leading experts working at the intersection between academia and government and offers a unique overview of some of the latest debates about national cybersecurity. These contributions showcase the diversity of approaches and issues shaping contemporary understandings of cybersecurity in the West, such as deterrence and governance, cyber intelligence and big data, international

cooperation, and public–private collaboration. The volume's main contribution lies in its effort to settle the field around three main themes exploring the international politics, concepts, and organization of contemporary cybersecurity from a US perspective. Related to these themes, this volume pinpoints three pressing challenges US decision makers and their allies currently face as they attempt to govern cyberspace: maintaining international order, solving conceptual puzzles to harness the modern information environment, and coordinating the efforts of diverse partners. The volume will be of much interest to students of cybersecurity, defense studies, strategic studies, security studies, and IR in general.

US National Cybersecurity Createspace Independent Publishing Platform

The book contains several new concepts, techniques, applications and case studies for cyber securities in parallel and distributed computing The main objective of this book is to explore the concept of cybersecurity in parallel and distributed computing along with recent research developments in the field. Also included are various real-time/offline applications and case studies in the fields of engineering and computer science and the modern tools and technologies used. Information concerning various topics relating to cybersecurity technologies is organized within the sixteen chapters of this book. Some of the important topics covered include: Research and solutions for the problem of hidden image detection Security aspects of data mining and possible solution techniques A comparative analysis of various methods used in e-commerce security and how to perform secure payment transactions in an efficient manner Blockchain technology and how it is crucial to the security industry Security for the Internet of Things Security issues and challenges in distributed computing security such as heterogeneous computing, cloud computing, fog computing, etc. Demonstrates the administration task issue in unified cloud situations as a multi-target enhancement issue in light of security Explores the concepts of cybercrime and cybersecurity and presents the statistical impact it is having on organizations Security policies and mechanisms, various categories of attacks (e.g., denial-of-service), global security architecture, along with distribution of security mechanisms Security issues in the healthcare sector with existing solutions and emerging threats.

Foundations of Homeland Security University of California Press

China's emergence as the world's second largest economy has been driven by more than four decades of explosive growth. To support this expansion, China has required massive expansion in its steel production capacity, which is highly correlated to its demand for iron ore imports. The scale and pace of China's iron ore demand shock has pushed the global iron ore market into a historical adjustment. Using economic frameworks, this book brings to bare new data and field observations throughout Asia and Africa to investigate how the rapid growth in China's iron ore demand has affected the organisation and structure of the global iron ore market. The research provides several important contributions to the extant literature including analysis of whether the Big Three Asian market iron ore exporters coordinated to sustain the profits arising

from the price boom; estimating the financial impact of the Chinese state's intervention in iron price negotiations; and addressing the concerns arising from the Chinese state's provision of cheap financial support for its companies' iron ore procurement. Offering unique insights into China's economic rise and the structure of the iron ore market, this book will be relevant to students and scholars of resource economics, and the Australian and Chinese economies.

Cybercrime and Information Technology IAP

One of the Department of Homeland Security's (DHS) priorities is the protection of Federal employees and private citizens who work within and visit U.S. Government-owned or leased facilities. The Interagency Security Committee (ISC), chaired by DHS, consists of 53 Federal departments and agencies, has as its mission the development of security standards and best practices for nonmilitary Federal facilities in the United States. As Chair of the ISC, I am pleased to introduce the new ISC document titled The Risk Management Process: An Interagency Security Committee Standard (Standard). This ISC Standard defines the criteria and processes that those responsible for the security of a facility should use to determine its facility security level and provides an integrated, single source of physical security countermeasures for all nonmilitary Federal facilities. The Standard also provides guidance for customization of the countermeasures for Federal facilities.

China's Iron Ore Boom IGI Global

Building an Effective Security Program for Distributed Energy Resources and Systems Build a critical and effective security program for DERs Building an Effective Security Program for Distributed Energy Resources and Systems requires a unified approach to establishing a critical security program for DER systems and Smart Grid applications. The methodology provided integrates systems security engineering principles, techniques, standards, and best practices. This publication introduces engineers on the design, implementation, and maintenance of a security program for distributed energy resources (DERs), smart grid, and industrial control systems. It provides security professionals with understanding the specific requirements of industrial control systems and real-time constrained applications for power systems. This book: Describes the cybersecurity needs for DERs and power grid as critical infrastructure Introduces the information security principles to assess and manage the security and privacy risks of the emerging Smart Grid technologies Outlines the functions of the security program as well as the scope and differences between traditional IT system security requirements and those required for industrial control systems such as SCADA systems Offers a full array of resources— cybersecurity concepts, frameworks, and emerging trends Security Professionals and Engineers can use Building an Effective Security Program for Distributed Energy Resources and Systems as a reliable resource that is dedicated to the essential topic of security for distributed energy resources and power grids. They will find standards, guidelines, and recommendations from standards organizations, such as ISO, IEC, NIST, IEEE, ENISA, ISA, ISACA, and ISF, conveniently included for reference within chapters.

The Professional Protection Officer

Rowman & Littlefield
Threat intelligence is a surprisingly complex topic that goes far beyond the obvious technical challenges of collecting, modelling and sharing technical indicators. Most books in this area focus mainly on technical measures to harden a system based on threat intel data and limit their scope to single organizations only. This book provides a unique angle on the topic of national cyber threat intelligence and security information sharing. It also provides a clear view on ongoing works in research laboratories world-wide in order to address current security concerns at national level. It allows practitioners to learn about upcoming trends, researchers to share current results, and decision makers to prepare for future developments.

Politics and Technology in the Post-Truth Era Butterworth-Heinemann
Eight previous iterations of this text have proven to be highly regarded and considered the definitive training guide and instructional text for first-line security officers in both the private and public sectors. The material included in the newest version covers all the subjects essential to the training of protection officers. This valuable resource and its predecessors have been utilized worldwide by the International Foundation for Protection Officers since 1988, as the core curriculum for the Certified Protection Officer (CPO) Program. The Professional Protection Officer: Practical Security Strategies and Emerging Trends provides critical updates and fresh guidance, as well as diagrams and illustrations; all have been tailored to the training and certification needs of today's protection professionals. Offers trainers and trainees all new learning aids designed to reflect the most current information and to support and reinforce professional development Written by a cross-disciplinary contributor team consisting of top experts in their respective fields

The Unhackable Internet Page Publishing Inc
In this introductory volume, readers will learn about the vital role that the various Critical Infrastructure (CI) sectors play in America, in the context of homeland security. The protection, maintenance, and monitoring of these interdependent CI assets is a shared responsibility of governments, private sector owner/operators, first responders, and all those involved in homeland security and emergency management. As this foundational learning resource demonstrates, rapidly advancing technologies combined with exponential growth in demand on the aging infrastructure of America's power grid is setting the stage for a potentially catastrophic collapse that would paralyze each and every facet of civilian life and military operations. This meticulously researched primer will guide readers through the known world of power failures and cyber-attacks to the emerging threat from a High-altitude Electromagnetic Pulse (HEMP). A HEMP would cause cascading failures in the power grid, communications, water treatment facilities, oil refineries, pipelines, banking, supply chain management, food production, air traffic control, and all forms of transportation. Each chapter in America's Greatest Existential Threat (Vol. 1) begins with learning objectives and

ends with a series of review questions to assess take-up of the chapter material. Similarly, subsequent volumes will explore HEMP and emerging issues in closer detail with current research and analysis now in development.

European Criminal Law Elsevier

In 2010 IAP released Change (Transformation) in Government Organizations, edited by Ronald R. Sims. This well-received volume described how organizational change methods can be used effectively to make government organizations more effective and efficient and better equipped to serve a demanding citizenry. The 2010 book brought together contributions by managers, practitioners, academics, and consultants in the study of international, federal, state, and local government efforts to respond to increased calls for change (transformation) in public sector organizations. Since the release of the 2010 volume, calls for government transformation have continued and intensified, and a number of fresh ideas and examples have been generated from the field. The time is now ripe for a follow-up volume laying out innovative, successful ideas for transforming government. Transforming Government Organizations: Fresh Ideas and Examples from the Field is that follow-up volume. A collection of fresh contributions such as those included in this book will add to the growing knowledge base of what does—and what does not—work when transformation efforts are attempted in government organizations. The contributors to this new volume are experts with extensive experience as change agents in government and other organizations. They provide analyses and discussions of specific cases and issues as well as practical tools, ideas, and lessons learned intended to guide those responsible for similar efforts in the years to come. The audience for the book are government managers, scholars, and others interested in undertaking or learning about such efforts.

The Risk Management Process for Federal Facilities: An Interagency Security Committee Standard Oxford University Press

The Complete Guide to Understanding the Structure of Homeland Security Law New topics featuring leading authors cover topics on Security Threats of Separatism, Secession and Rightwing Extremism; Aviation Industry’s 'Crew Resource Management' Principles'; and Ethics, Legal, and Social Issues in Homeland Security Legal, and Social Issues in Homeland Security. In addition, the chapter devoted to the Trans-Pacific Partnership is a description of economic statecraft, what we really gain from the TPP, and what we stand to lose. The Power of Pop Culture in the Hands of ISIS describes how ISIS communicates and how pop culture is used expertly as a recruiting tool Text organized by subject with the portions of all the laws related to that particular subject in one chapter, making it easier to reference a specific statute by topic Allows the reader to recognize that homeland security involves many specialties and to view homeland security expansively and in the long-term Includes many references as a resource for professionals in various fields including: military, government, first responders, lawyers, and students Includes an Instructor Manual providing teaching suggestions, discussion questions, true/false questions, and essay questions

along with the answers to all of these

Industry Perspectives on the President's Cybersecurity Information-sharing Proposal

Cambridge Scholars Publishing

The first expert discussion of the foundations of cybersecurity In Cybersecurity First Principles, Rick Howard, the Chief Security Officer, Chief Analyst, and Senior fellow at The Cyberwire, challenges the conventional wisdom of current cybersecurity best practices, strategy, and tactics and makes the case that the profession needs to get back to first principles. The author convincingly lays out the arguments for the absolute cybersecurity first principle and then discusses the strategies and tactics required to achieve it. In the book, you'll explore: Infosec history from the 1960s until the early 2020s and why it has largely failed What the infosec community should be trying to achieve instead The arguments for the absolute and atomic cybersecurity first principle The strategies and tactics to adopt that will have the greatest impact in pursuing the ultimate first principle Case studies through a first principle lens of the 2015 OPM hack, the 2016 DNC Hack, the 2019 Colonial Pipeline hack, and the Netflix Chaos Monkey resilience program A top to bottom explanation of how to calculate cyber risk for two different kinds of companies This book is perfect for cybersecurity professionals at all levels: business executives and senior security professionals, mid-level practitioner veterans, newbies coming out of school as well as career-changers seeking better career opportunities, teachers, and students.

Oversight of the Cybersecurity Act of 2015

John Wiley & Sons

Like most aspects of modern existence, more and more of our financial lives have migrated to the digital realm. With the benefits of ease that our Internet allows us, that transition also raises numerous – and dangerous – threats to national security, our money, and the systems we use to store and transfer it. In TheUnhackable Internet, financial services and technology expert Thomas P. Vartanian exposes the vulnerabilities of the many networks that we rely on today as well as the threats facing the integrity of our national security and financial services sector. From cyberattacks by foreign adversaries like China and Russia, the explosion of cryptocurrency, the advancement of ransomware, phishing, surveillance apps, spying software, and logic bombs, along with the increasing savvy and daring shown by Internet hackers, the next financial panic is likely to be delivered to us through use or abuse of technology. The Unhackable Internet describes how society can remake an Internet that was never conceived as a secure environment and badly tainted by the original sin of substandard coding. Vartanian argues for increasing the use of private and offline network infrastructures, controlling the ownership of Internet infrastructure, and imposing enhanced authentication, governance, and enforcement standards. This online universe would look more like our analog lives, authenticating all digital traffic to a real person and removing any virtual traveler that violated the new rules of the road. The Unhackable Internet poses a challenge to America: take the lead and create a coalition of democratic nations to implement financial cyber strategies or be left with no counterweight short of military

power to respond to those who weaponize technology. This comprehensive and compelling book makes it clear that nothing less than the control of global economies is up for grabs, and that how we use technology is our choice.

Mitigating Mass Violence and Managing Threats in Contemporary Society Oxford University Press

This book examines the relationship between information and communication technology (ICT) and politics in a global perspective.

The Oxford Handbook of Cyber Security

Oversight of the Cybersecurity Act of 2015

Prepare for success on the IAPP CIPP/US exam and further your career in privacy with this effective study guide - now includes a downloadable supplement to get you up to date on the 2022 CIPP exam! Information privacy has become a critical and central concern for small and large businesses across the United States. At the same time, the demand for talented professionals able to navigate the increasingly complex web of legislation and regulation regarding privacy continues to increase. Written from the ground up to prepare you for the United States version of the Certified Information Privacy Professional (CIPP) exam, Sybex's IAPP CIPP/US Certified Information Privacy Professional Study Guide also readies you for success in the rapidly growing privacy field. You'll efficiently and effectively prepare for the exam with online practice tests and flashcards as well as a digital glossary. The concise and easy-to-follow instruction contained in the IAPP/CIPP Study Guide covers every aspect of the CIPP/US exam, including the legal environment, regulatory enforcement, information management, private sector data collection, law enforcement and national security, workplace privacy and state privacy law, and international privacy regulation. Provides the information you need to gain a unique and sought-after certification that allows you to fully understand the privacy framework in the US Fully updated to prepare you to advise organizations on the current legal limits of public and private sector data collection and use Includes access to the Sybex online learning center, with chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms Perfect for anyone considering a career in privacy or preparing to tackle the challenging IAPP CIPP exam as the next step to advance an existing privacy role, the IAPP CIPP/US Certified Information Privacy Professional Study Guide offers you an invaluable head start for success on the exam and in your career as an in-demand privacy professional.

Strategic Cyber Deterrence

IGI Global

Atmospheric reactive nitrogen (N) emissions, as an important component of global N cycle, have been significantly altered by anthropogenic activities, and consequently have had a global impact on air pollution and ecosystem services. Due to rapid agricultural, industrial, and urban development, China has been experiencing an increase in reactive N emissions and deposition since the late 1970s. Based on a literature review, this book summarizes recent research on: 1) atmospheric reactive N in China from a global perspective (Chapter 1); 2) atmospheric reactive N emissions, deposition and budget in China (Chapters 2-5); 3) the contribution of atmospheric

reactive N to air pollution (e.g., haze, surface O3, and acid deposition) (Chapters 6-8); 4) the impacts of N deposition on sensitive ecosystems (e.g., forests, grasslands, deserts and lakes) (Chapters 9-12); and 5) the regulatory strategies for mitigation of atmospheric reactive N pollution from agricultural and non-agricultural sectors in China (Chapters 13-14). As such it offers graduate students, researchers, educators in agricultural, ecological and environmental sciences, and policy makers a glimpse of the environmental issues related to reactive N in China .

China's New Sources of Economic Growth: Vol. 1 Routledge

Cyber security is concerned with the identification, avoidance, management and mitigation of risk in, or from, cyber space. The risk concerns harm and damage that might occur as the result of everything from individual carelessness, to organised criminality, to industrial and national security espionage and, at the extreme end of the scale, to disabling attacks against a country's critical national infrastructure. However, there is much more to cyber space than vulnerability, risk, and threat. Cyber space security is an issue of strategy, both commercial and technological, and whose breadth spans the international, regional, national, and personal. It is a matter of hazard and vulnerability, as much as an opportunity for social, economic and cultural growth. Consistent with this outlook, The Oxford Handbook of Cyber Security takes a comprehensive and rounded approach to the still evolving topic of cyber security. The structure of the Handbook is intended to demonstrate how the scope of cyber security is beyond threat, vulnerability, and conflict and how it manifests on many levels of human interaction. An understanding of cyber security requires us to think not just in terms of policy and strategy, but also in terms of technology, economy, sociology, criminology, trade, and morality. Accordingly, contributors to the Handbook include experts in cyber security from around the world, offering a wide range of perspectives: former government officials, private sector executives, technologists, political scientists, strategists, lawyers, criminologists, ethicists, security consultants, and policy analysts.

Sardinia 2015. 15th International Waste Management and Landfill Symposium

John Wiley & Sons

Cybercrime and Information Technology: Theory and Practice—The Computer Network Infostructure and Computer Security, Cybersecurity Laws, Internet of Things (IoT), and Mobile Devices is an introductory text addressing current technology, trends, and security issues. While many books on the market cover investigations, forensic recovery, and presentation of evidence, and others explain computer and network security, this book explores both, explaining the essential principles governing computers, wireless and mobile devices, the Internet of Things, cloud systems, and their significant vulnerabilities. Only with this knowledge can students truly appreciate the security challenges and opportunities for cybercrime that cannot be uncovered, investigated, and adjudicated unless they are understood. The legal portion of the book is an overview of the legal system in the United States, including cyberlaw

standards, and regulations affecting cybercrime. This section includes cases in progress that are shaping and developing legal precedents. As is often the case, new technologies require new statues and regulations—something the law is often slow to move on given the current speed in which technology advances. Key Features: Provides a strong foundation of cybercrime knowledge along with the core concepts of networking, computer security, Internet of Things (IoTs), and mobile devices. Addresses legal statutes and precedents fundamental to understanding investigative and forensic issues relative to evidence collection and preservation. Identifies the new security challenges of emerging technologies including mobile devices, cloud computing, Software-as-a-Service (SaaS), VMware, and the Internet of Things. Strengthens student understanding of the fundamentals of computer and network security, concepts that are often glossed over in many textbooks, and includes the study of cybercrime as critical forward-looking cybersecurity challenges. Cybercrime and Information Technology is a welcome addition to the literature, particularly for those professors seeking a more hands-on, forward-looking approach to technology and trends. Coverage is applicable to all forensic science courses in computer science and forensic programs, particularly those housed in criminal justice departments emphasizing digital evidence and investigation processes. The textbook is appropriate for courses in the Computer Forensics and Criminal Justice curriculum, and is relevant to those studying Security Administration, Public Administrations, Police Studies, Business Administration, Computer Science, and Information Systems. An Instructor’s Manual with Test Bank and chapter PowerPoint slides is available to qualified professors for use in classroom instruction.

Building an Effective Security Program for Distributed Energy Resources and Systems Createspace Independent Publishing Platform

China’s change to a new model of growth, now called the ‘new normal’, was always going to be hard. Events over the past year show how hard it is. The attempts to moderate the extremes of high investment and low consumption, the correction of overcapacity in the heavy industries that were the mainstays of the old model of growth, the hauling in of the immense debt hangover from the fiscal and monetary expansion that pulled China out of the Great Crash of 2008 would all have been hard at any time. They are harder when changes in economic policy and structure coincide with stagnation in global trade and rising protectionist sentiment in developed countries, extraordinarily rapid demographic change and recognition of the urgency of easing the environmental damage from the old model. China’s economy has slowed and there are worries that the authorities will not be able to contain the slowdown within preferred limits. This year’s Update explores the challenge of the slowdown in growth and the change in economic structure. Leading experts on China’s economy and environment review change within China’s new model of growth, and its interaction with ageing, environmental pressure, new patterns of urbanisation, and debt problems at different levels of government. It illuminates some new developments in China’s economy, including the transformational potential of

internet banking, and the dynamics of financial market instability. China's economic development since 1978 is full of exciting change, and this year's China Update is again the way to know it as it is happening.

The United States' Defend Forward Cyber Strategy John Wiley & Sons

When people think of hackers, they usually think of a lone wolf acting with the intent to garner personal data for identity theft and fraud. But what about the corporations and government entities that use hacking as a strategy for managing risk? Why Hackers Win asks the pivotal question of how and why the instrumental uses of invasive software by corporations and government agencies contribute to social change. Through a critical communication and media studies lens, the book focuses on the struggles of breaking and defending the "trusted systems" underlying our everyday use of technology. It compares the United States and the European Union, exploring how cybersecurity and hacking accelerate each other in digital capitalism, and how the competitive advantage that hackers can provide corporations and governments may actually afford new venues for commodity development and exchange. Presenting prominent case studies of communication law and policy, corporate hacks, and key players in the global cybersecurity market, the book proposes a political economic model of new markets for software vulnerabilities and exploits, and clearly illustrates the social functions of hacking.