

2018 Theme The Administration S New Nuclear Posture Review

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Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018) - Sebastiano Bagnara 2018-08-04

This book presents the proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018), held on August 26-30, 2018, in Florence, Italy. By highlighting the latest theories and models, as well as cutting-edge technologies and applications, and by combining findings from a range of disciplines including engineering, design, robotics, healthcare, management, computer science, human biology and behavioral science, it provides researchers and practitioners alike with a comprehensive, timely guide on human factors and ergonomics. It also offers an excellent source of innovative ideas to stimulate future discussions and developments aimed at applying knowledge and techniques to optimize system performance, while at the same time promoting the health, safety and wellbeing of individuals. The proceedings include papers from researchers and practitioners, scientists and physicians, institutional leaders, managers and policy makers that contribute to constructing the Human Factors and

Ergonomics approach across a variety of methodologies, domains and productive sectors. This volume includes papers addressing the following topics: Aging, Gender and Work, Anthropometry, and Ergonomics for Children and Education.

The United States, India and the Global Nuclear Order - Tanvi Pate 2018-06-13

In the Post-Cold War era, US nuclear foreign policies towards India witnessed a major turnaround as a demand for 'cap, reduce, eliminate' under the Clinton administration was replaced by the implementation of the historic 'civil nuclear deal' in 2008 by Bush, a policy which continued under Obama's administration. This book addresses the change in US nuclear foreign policy by focusing on three core categories of identity, inequality, and great power narratives. Building upon the theoretical paradigm of critical constructivism, the concept of the 'state' is problematised by focusing on identity-related questions arguing that the 'state' becomes a constructed entity standing as valid only within relations of identity and difference. Focusing on postcolonial principles,

Pate argues that imperialism as an organising principle of identity/difference enables us to understand how difference was maintained in unequal terms through US nuclear foreign policy. This manifested in five great power narratives constructed around peace and justice; India-Pakistan deterrence; democracy; economic progress; and scientific development. Identities of 'race', 'political economy', and 'gender', in terms of 'radical otherness' and 'otherness' were recurrently utilised through these narratives to maintain a difference enabling the respective administrations to maintain 'US' identity as a progressive and developed western nation, intrinsically justifying the US role as an arbiter of the global nuclear order. A useful work for scholars researching identity construction and US foreign and security policies, US-India bilateral nuclear relations, South Asian nuclear politics, critical security, and postcolonial studies.

Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation - Christopher B. Field 2012-05-28

This Intergovernmental Panel on Climate Change Special Report (IPCC-SREX) explores the challenge of understanding and managing the risks of climate extremes to advance climate change adaptation. Extreme weather and climate events, interacting with exposed and vulnerable human and natural systems, can lead to disasters. Changes in the frequency and severity of the physical events affect disaster risk, but so do the spatially diverse and temporally dynamic patterns of exposure and vulnerability. Some types of extreme weather and climate events have increased in frequency or magnitude, but populations and assets at risk have also increased, with consequences for disaster risk. Opportunities for managing risks of weather- and climate-related disasters exist or can be developed at any scale, local to international. Prepared following strict IPCC procedures, SREX is an invaluable assessment for anyone interested in climate extremes, environmental disasters and adaptation to climate change, including policymakers, the private sector and academic researchers.

Taking on Technocracy - Dolores L. Augustine 2018-05-22

The German abandonment of nuclear power represents one of the most

successful popular revolts against technocratic thinking in modern times—the triumph of a dynamic social movement, encompassing a broad swath of West Germans as well as East German dissident circles, over political, economic, and scientific elites. Taking on Technocracy gives a brisk account of this dramatic historical moment, showing how the popularization of scientific knowledge fostered new understandings of technological risk. Combining analyses of social history, popular culture, social movement theory, and histories of science and technology, it offers a compelling narrative of a key episode in the recent history of popular resistance.

Human Factors in the Nuclear Industry - Anna-Maria Teperi 2020-10-17

Human Factors in the Nuclear Industry: A Systemic Approach to Safety presents the latest research and studies of human factors in the nuclear industry. It models and highlights scientific and technological foundations before providing practical examples of applications within the nuclear facility of human performance at an individual, group, organization, and system level. Editors Dr. Teperi and Dr. Gotcheva supply concrete models, tools and techniques based on research to provide the reader with knowledge of how to facilitate and support human performance in this dynamic and fast moving safety critical field. Models and case studies are provided to add practical benefits for the reader to apply to their own projects, including user friendly state-of-the-art equipment, fluent work processes for information flow, functional control room resource management, and scope for competence and learning in the work place. This book will benefit nuclear researchers, safety experts, human factors professionals and power plant operators, as well as those with an interest in human factors outside of the nuclear field. Provides a comprehensive framework for human factors, considering not only the individual, but also the team, organizational and industrial levels Presents tried and tested tools and techniques based on research from the nuclear industry Includes models, examples and case studies of user-friendly equipment, fluent work processes and functional control room resource management

The 1960s: Key Themes and Documents - James S. Olson 2018-04-30

This volume serves as an invaluable study guide covering all of the key political, social, and cultural concepts of the turbulent 1960s. • Provides for ease of reference through rigorous thematic tagging of encyclopedic entries, period chronology, and primary documents • Helps readers to study a key period of American history • Features additional elements such as a sample document-based essay question and tips for answering document-based essay questions

Understanding Public Policy - Paul Cairney 2019-11-08

The fully revised second edition of this textbook offers a comprehensive introduction to theories of public policy and policymaking. The policy process is complex: it contains hundreds of people and organisations from various levels and types of government, from agencies, quasi- and non-governmental organisations, interest groups and the private and voluntary sectors. This book sets out the major concepts and theories that are vital for making sense of the complexity of public policy, and explores how to combine their insights when seeking to explain the policy process. While a wide range of topics are covered – from multi-level governance and punctuated equilibrium theory to 'Multiple Streams' analysis and feminist institutionalism – this engaging text draws out the common themes among the variety of studies considered and tackles three key questions: what is the story of each theory (or multiple theories); what does policy theory tell us about issues like 'evidence based policymaking'; and how 'universal' are policy theories designed in the Global North? This book is the perfect companion for undergraduate and postgraduate students studying public policy, whether focussed on theory, analysis or the policy process, and it is essential reading for all those on MPP or MPM programmes. New to this Edition: - New sections on power, feminist institutionalism, the institutional analysis and development framework, the narrative policy framework, social construction and policy design - A consideration of policy studies in relation to the Global South in an updated concluding chapter - More coverage of policy formulation and tools, the psychology of policymaking and complexity theory - Engaging discussions of punctuated equilibrium,

the advocacy coalition framework and multiple streams analysis

The Fourth Industrial Revolution - Klaus Schwab 2017-01-03

World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

Russia's Nuclear Weapons - Amy F Woolf 2020-01-04

Russia's nuclear forces consist of both long-range, strategic systems—including intercontinental ballistic missiles (ICBMs), submarine-launched ballistic missiles (SLBMs), and heavy bombers—and shorter- and medium-range delivery systems. Russia is modernizing its nuclear forces,

replacing Soviet-era systems with new missiles, submarines and aircraft while developing new types of delivery systems. Although Russia's number of nuclear weapons has declined sharply since the end of Cold War, it retains a stockpile of thousands of warheads, with more than 1,500 warheads deployed on missiles and bombers capable of reaching U.S. territory. Doctrine and Deployment During the Cold War, the Soviet Union valued nuclear weapons for both their political and military attributes. While Moscow pledged that it would not be the first to use nuclear weapons in a conflict, many analysts and scholars believed the Soviet Union integrated nuclear weapons into its warfighting plans. After the Cold War, Russia did not retain the Soviet "no first use" policy, and it has revised its nuclear doctrine several times to respond to concerns about its security environment and the capabilities of its conventional forces. When combined with military exercises and Russian officials' public statements, this evolving doctrine seems to indicate that Russia has potentially placed a greater reliance on nuclear weapons and may threaten to use them during regional conflicts. This doctrine has led some U.S. analysts to conclude that Russia has adopted an "escalate to de-escalate" strategy, where it might threaten to use nuclear weapons if it were losing a conflict with a NATO member, in an effort to convince the United States and its NATO allies to withdraw from the conflict. Russian officials, along with some scholars and observers in the United States and Europe, dispute this interpretation; however, concerns about this doctrine have informed recommendations for changes in the U.S. nuclear posture. Russia's current modernization cycle for its nuclear forces began in the early 2000s and is likely to conclude in the 2020s. In addition, in March 2018, Russian President Vladimir Putin announced that Russia was developing new types of nuclear systems. While some see these weapons as a Russian attempt to achieve a measure of superiority over the United States, others note that they likely represent a Russian response to concerns about emerging U.S. missile defense capabilities. These new Russian systems include, among others, a heavy ICBM with the ability to carry multiple warheads, a hypersonic glide vehicle, an autonomous underwater vehicle, and a nuclear-powered

cruise missile. The hypersonic glide vehicle, carried on an existing long-range ballistic missile, entered service in late 2019.

International Energy Outlook - 1986

Energy and Sustainability VIII - Tadeu, A. 2019-09-10

Originating from the 8th edition of the Energy and Sustainability conference, the research included in this volume contribute to the increasing amount of interest in renewable energy resources and the search for maintainable energy policies. Energy production and distribution need to respond to the modern world's dependency on conventional fuels.

American Defense Policy - Miriam Krieger 2021-08-10

"Organized into three parts, the ninth edition traces the impact that societal changes and emerging technologies are having as force enablers, game changers, or disrupters of American defense policy"--

NATO and the Future of European and Asian Security - Christensen, Carsten Sander 2021-06-25

The key role in the security policy of the North Atlantic Treaty Organization (NATO) is to prevent new types of asymmetric challenges and deal with the new architecture of the Euro-Atlantic security environment, including the control of weapons of mass destruction. In modern international politics, the growing militaristic policies of the states have created many dangers and raised the need for NATO to address new issues that the Alliance did not face during the Cold War. *NATO and the Future of European and Asian Security* reflects on difficult geopolitical and geostrategic conditions and reviews how new types of warfare have a drastic impact on NATO's military and defense doctrine. This book provides the newest data and theories and contributes to the understanding of the transformation of the regional security environment in the aegis of the Euro-Atlantic. Covering topics including foreign policy, global security, hybrid warfare, securitization, and smart defense, this book is essential for government officials, policymakers, public relations officers, military and defense agencies, teachers, historians, political scientists, security analysts, national security professionals,

administrators, government organizations, researchers, academicians, and students.

The Nixon Administration and the Making of U.S. Nuclear Strategy - Terry Terriff 2018-05-31

In 1974 Richard Nixon's defense secretary, James Schlesinger, announced that the United States would change its nuclear targeting policy from "assured destruction" to "limited nuclear options." In this account of the Schlesinger Doctrine based on newly declassified documents and extensive interviews with key actors, Terry Terriff challenges the Nixon administration's official explanation of why and how this policy innovation occurred.

Environmental Impact Assessment of Buildings - Wahidul Biswas 2020-02-05

This Special Issue covers a wide range of areas—including building orientation, service life, use of photocatalytically active structures and PV facades, implications of transportation system, building types (i.e., high rise, multilevel, commercial, residential), life cycle assessment, and structural engineering—that need to be considered in the environmental impact assessment of buildings, and the chapters include case studies across the globe. Consideration of these strategies would help reduce energy and material consumption, environmental emissions, and waste generation associated with all phases of a building's life cycle. Chapter 1 demonstrates that green star concrete exhibits the same structural properties as conventional concrete in Australia. Chapter 2 showed that the use of TiO₂ as a photocatalyst on the surface of construction materials with a suitable stable binding agent, such as aggregates, would enable building walls to absorb NO_x from air. This study found that TiO₂ has the potential to reduce ambient concentrations of NO_x from areas where this pollutant becomes concentrated under solar irradiation. Chapter 3 presents the life cycle assessment of architecturally integrated glass-glass photovoltaics in building facades to find the appropriate material composition for a multicolored PV façade offering improved environmental performance. Chapter 4 shows that urban office buildings lacking appropriate orientation experienced indoor overheating. Chapter

5 details four modeling approaches that were implemented to estimate buildings' response towards load shedding. Chapter 6 covers the life cycle GHG emissions of high-rise residential housing block to discover opportunities for environmental improvement. Chapter 7 discusses an LCA framework that took into account variation in the service life of buildings associated with the use of different types of materials. Chapter 8 presents a useful data mining algorithm to conduct life cycle asset management in residential developments built on transport systems.

Reconsidering American Civil-Military Relations - Lionel Beehner 2020-11-16

This book explores contemporary civil-military relations in the United States. Much of the canonical literature on civil-military relations was either written during or references the Cold War, while other major research focuses on the post-Cold War era, or the first decade of the twenty-first century. A great deal has changed since then. This book considers the implications for civil-military relations of many of these changes. Specifically, it focuses on factors such as breakdowns in democratic and civil-military norms and conventions; intensifying partisanship and deepening political divisions in American society; as well as new technology and the evolving character of armed conflict. Chapters are organized around the principal actors in civil-military relations, and the book includes sections on the military, civilian leadership, and the public. It explores the roles and obligations of each. The book also examines how changes in contemporary armed conflict influence civil-military relations. Chapters in this section examine the cyber domain, grey zone operations, asymmetric warfare and emerging technology. The book thus brings the study of civil-military relations into the contemporary era, in which new geopolitical realities and the changing character of armed conflict combine with domestic political tensions to test, if not potentially redefine, those relations.

WHO guidance on research methods for health emergency and disaster risk management - 2021-09-30

Health Emergency and Disaster Risk Management (Health EDRM) has recently emerged as a critical field for research, policy, and practice as a

result of the growing recognition of health as a core dimension in disaster risk management. Global frameworks such as the WHO 13th General Programme of Work (GPW13), the Sendai Framework for Disaster Risk Reduction 2015-2030, the Sustainable Development Goals (SDGs), and the International Health Regulations (IHR) have goals, targets, and indicators that monitor the health impact of disasters and emergencies and resilience in health systems and communities. Policies and actions guided by the best possible evidence are therefore critical for managing the health risks of emergencies and disasters. However, the evidence base in Health EDRM is very limited, reflecting the overall lack of research in this area. To address this gap, the WHO set out to develop a reference book about methods to guide Health EDRM research in collaboration with global experts. This book provides concrete guidance across a wide range of research, taking a systematic approach to discuss the type of research that is needed to generate relevant evidence for managing risks and consequences of emergencies and disasters. This research includes observational and experimental studies, and those that use qualitative or quantitative data, or both. When using the book, readers are encouraged to take account of the specific setting of the health risks of any emergency or disaster, including national capacities and the impacts that are directly and indirectly health-related.

The Control Agenda - Matthew J. Ambrose 2018-04-15

The Control Agenda is a sweeping account of the history of the Strategic Arms Limitation Talks (SALT), their rise in the Nixon and Ford administrations, their downfall under President Carter, and their powerful legacies in the Reagan years and beyond. Matthew Ambrose pays close attention to the interplay of diplomacy, domestic politics, and technology, and finds that the SALT process was a key point of reference for arguments regarding all forms of Cold War decision making. Ambrose argues elite U.S. decision makers used SALT to better manage their restive domestic populations and to exert greater control over the shape, structure, and direction of their nuclear arsenals. Ambrose also asserts that prolonged engagement with arms control issues introduced dynamic effects into nuclear policy. Arms control considerations came to influence

most areas of defense decision making, while the measure of stability SALT provided allowed the examination of new and potentially dangerous nuclear doctrines. The Control Agenda makes clear that verification and compliance concerns by the United States prompted continuous reassessments of Soviet capabilities and intentions; assessments that later undergirded key U.S. policy changes toward the Soviet Union. Through SALT's many twists and turns, accusations and countercharges, secret backchannels and propaganda campaigns the specter of nuclear conflict loomed large.

Science Communication - Annette Leßmöllmann 2019-12-16

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The 1950s: Key Themes and Documents - James S. Olson 2018-10-31
 This volume serves as an invaluable guide to key political, social, and cultural concepts of the 1950s. • Provides rigorously and thematically tags of encyclopedic entries, period chronology, and primary documents for ease of reference • Serves as a valuable reference source for a key period of American History • Offers features that will help readers understand the period better, including sample Documents Based Essay

Question and Top Tips for answering Documents Based Essay Questions
Helping Scientists to Communicate Well for All Considered: Strategic Science Communication in an Age of Environmental and Health Crises - Scott McWilliams 2022-09-16

Politics and Rhetoric of Italian State Steel Privatisation - Edoardo Mollona 2022-04-01

The globally spreading privatization wave that occurred in the 1990s deeply changed the structure of economic institutions worldwide. This turmoil overturned not only economic institutions, but shared cultural and societal institutions as well. This book is the result of an investigation into the history of the privatization of the steel industry in Italy, completed between 1994 and 1995. It explores the history of the Italian steel industry by looking at the interplay of local intertwined interests, political relations, and ideological formations that characterized an idiosyncratic hegemonic historical bloc. Rather than stigmatising this pattern as the legacy of a dysfunctional provincialism, the authors mobilise Gramsci's theory of hegemony to explain how the Italian privatization process unfolded to accommodate economic pressures, political interests, and ideological constraints of a hegemonic social group, or aggregation of social groups. Thus, in reconstructing the privatization of Italian steel, this book proposes a hegemony theory of privatization and, more generally, describes a model that explains how political and cultural dynamics give rise to idiosyncratic local variations in globally spreading policies. It will be of interest to researchers, academics, and students in the fields of business history, economics, sociology and political science.

Diminished Ovarian Reserve & Poor Ovarian Response: Diagnostic and Therapeutic Management - Nikolaos P. Polyzos 2022-02-11

Quarterly Current Affairs Vol. 3 - July to September 2019 for Competitive Exams - Disha Experts 2019-09-25

Information and Communication Technologies for Agriculture--

Theme II - Dionysis D. Bochtis 2021

This volume is the second (II) of four under the main themes of Digitizing Agriculture and Information and Communication Technologies (ICT). The four volumes cover rapidly developing processes including Sensors (I), Data (II), Decision (III), and Actions (IV). Volumes are related to 'digital transformation' within agricultural production and provision systems, and in the context of Smart Farming Technology and Knowledge-based Agriculture. Content spans broadly from data mining and visualization to big data analytics and decision making, alongside with the sustainability aspects stemming from the digital transformation of farming. The four volumes comprise the outcome of the 12th EFITA Congress, also incorporating chapters that originated from select presentations of the Congress. The first part of this book (II) focuses on data technologies in relation to agriculture and presents three key points in data management, namely, data collection, data fusion, and their uses in machine learning and artificial intelligent technologies. Part 2 is devoted to the integration of these technologies in agricultural production processes by presenting specific applications in the domain. Part 3 examines the added value of data management within agricultural products value chain. The book provides an exceptional reference for those researching and working in or adjacent to agricultural production, including engineers in machine learning and AI, operations management, decision analysis, information analysis, to name just a few. Specific advances covered in the volume: Big data management from heterogenous sources Data mining within large data sets Data fusion and visualization IoT based management systems Data Knowledge Management for converting data into valuable information Metadata and data standards for expanding knowledge through different data platforms AI - based image processing for agricultural systems Data - based agricultural business Machine learning application in agricultural products value chain.

Cultural Heritage and the Future - Cornelius Holtorf 2020-12-11

Cultural Heritage and the Future brings together an international group of scholars and experts to consider the relationship between cultural

heritage and the future. Drawing on case studies from around the world, the contributing authors insist that cultural heritage and the future are intimately linked and that the development of futures thinking should be a priority for academics, students and those working in the wider professional heritage sector. Until recently, the future has never attracted substantial research and debate within heritage studies and heritage management, and this book addresses this gap by offering a balance of theoretical and empirical content that will stimulate multidisciplinary debate in the burgeoning field of critical heritage studies. Cultural Heritage and the Future questions the role of heritage in future making and will be of great relevance to academics and students working in the fields of museum and heritage studies, archaeology, anthropology, architecture, conservation studies, sociology, history and geography. Those working in the heritage professions will also find much to interest them within the pages of this book.

Sustainability in Energy Business and Finance - Hasan Dinçer 2022

This edited volume seeks to identify the sustainability issues currently affecting the energy business and finance. For this purpose, a broad range of perspectives on sustainability issues in the energy business and finance are taken into consideration in the context of renewable business projects. In turn, several novel strategies from the energy business and finance are illustrated with regard to sustainable organizational factors, technological infrastructure, financial facilities, economic development, and investment potential. Comparing and contrasting different sustainability perspectives can help to develop the most appropriate and successful business strategies for the sustainable energy business and finance. This book presents multidimensional analyses of sustainability issues with regard to renewable energy projects and identifies the most promising strategies, as well as efficient market conditions for the energy business. .

Digital Transformation and New Challenges - Evgeny Zaramenskikh

2020-05-23

This book gathers the best papers presented at the first conference held by the Russian chapter of the Association for Information Systems (AIS).

It shares the latest insights into various aspects of the digitalization of the economy and the consequences of transformation in public administration, business and public life. Integrating a broad range of analytical perspectives, including economic, social and, technological, this interdisciplinary book is particularly relevant for scientists, digital technology users, companies and public institutions.

Postrevolutionary Iran - R. R. Asaadi 2021-04-19

How have Iran's political institutions evolved since the revolution? This book is first a study of the structure of Iran's political institutions, of their composition and function in theory; and second an analysis of their evolution in practice over the first forty years of the Islamic Republic regime.

America's Nuclear Crossroads - Caroline Dorminy 2019-07-30

As the United States adjusts to a changing global balance of power, nuclear deterrence is poised to return to a level of importance in U.S. national security not seen since the end of the Cold War. However, U.S. nuclear strategy will have to contend with emerging issues like arms control in a multipolar world, the evolution of strategic technology, and the new contours of great power competition. *America's Nuclear Crossroads: A Forward-Looking Anthology* is a useful reference tool for policymakers and laypeople alike as they navigate an increasingly complex nuclear security environment. The debates and policy decisions that play out over the next few years will likely affect America's nuclear deterrence and arms control strategies for decades to come. This anthology offers a wide view of the most pressing challenges the United States is facing at this crossroads. While it cannot resolve every emerging problem, we hope *America's Nuclear Crossroads* sparks a broader dialogue and offers some initial recommendations for solving said challenges.

The Fifth Risk - Michael Lewis 2018-10-02

New York Times Bestseller What are the consequences if the people given control over our government have no idea how it works? "The election happened," remembers Elizabeth Sherwood-Randall, then deputy secretary of the Department of Energy. "And then there was radio

silence." Across all departments, similar stories were playing out: Trump appointees were few and far between; those that did show up were shockingly uninformed about the functions of their new workplace. Some even threw away the briefing books that had been prepared for them. Michael Lewis's brilliant narrative takes us into the engine rooms of a government under attack by its own leaders. In Agriculture the funding of vital programs like food stamps and school lunches is being slashed. The Commerce Department may not have enough staff to conduct the 2020 Census properly. Over at Energy, where international nuclear risk is managed, it's not clear there will be enough inspectors to track and locate black market uranium before terrorists do. Willful ignorance plays a role in these looming disasters. If your ambition is to maximize short-term gains without regard to the long-term cost, you are better off not knowing those costs. If you want to preserve your personal immunity to the hard problems, it's better never to really understand those problems. There is upside to ignorance, and downside to knowledge. Knowledge makes life messier. It makes it a bit more difficult for a person who wishes to shrink the world to a worldview. If there are dangerous fools in this book, there are also heroes, unsung, of course. They are the linchpins of the system—those public servants whose knowledge, dedication, and proactivity keep the machinery running. Michael Lewis finds them, and he asks them what keeps them up at night.

New Realities in Foreign Affairs - Volker Stanzel 2019-07-08

Moderne Diplomatie wirkt heute in viele Bereiche des modernen Lebens hinein. Sie ist zugleich selbst neuen Einflüssen ausgesetzt. Faktoren, die unsere Gesellschaften verändern, verändern auch unser Regierungshandeln, auch in der Außenpolitik, seien es Digitalisierung, emotionalisierte Sensibilitäten unserer Öffentlichkeiten oder nicht-staatliche internationale Akteure. Derartige Entwicklungen müssen von der Diplomatie aufgenommen werden, damit sie weiter als Instrument einer Regierung funktionieren kann. Regierungen sollten Wege finden, zwischen den neuen Bedürfnissen der Gesellschaft und den Notwendigkeiten legitimen Regierungshandelns zu vermitteln. Das Ziel sollte sein, als souveräner Staat handeln zu können und zugleich das

Potential der tiefgreifenden gesellschaftlichen Veränderungen zu nutzen. Mit Beiträgen von Volker Stanzel, Sascha Lohmann, Andrew Cooper, Christer Jönsson, Corneliu Bjola, Emillie V. de Keulenaar, Jan Melissen, Karsten D. Voigt, Kim B. Olsen, Hanns W. Maull und R. S. Zaharna
Nuclear Non-Proliferation in International Law - Volume V - Jonathan L. Black-Branch 2020-01-02

This fifth volume in the book series on Nuclear Non-Proliferation in International Law focuses on various legal aspects regarding nuclear security and nuclear deterrence. The series on Nuclear Non-Proliferation in International Law provides scholarly research articles with critical commentaries on relevant treaty law, best practice and legal developments, thus offering an academic analysis and information on practical legal and diplomatic developments both globally and regionally. It sets a basis for further constructive discourse at both national and international levels. Jonathan L. Black-Branch is Dean of Law and Professor of International and Comparative Law at the University of Manitoba in Canada; a Bencher of the Law Society of Manitoba; JP and Barrister (England & Wales); Barrister & Solicitor (Manitoba); and Chair of the International Law Association (ILA) Committee on Nuclear Weapons, Non-Proliferation & Contemporary International Law. Dieter Fleck is Former Director International Agreements & Policy, Federal Ministry of Defence, Germany; Member of the Advisory Board of the Amsterdam Center for International Law (ACIL); and Rapporteur of the International Law Association (ILA) Committee on Nuclear Weapons, Non-Proliferation & Contemporary International Law.

Nuclear Modernization in the 21st Century - Aiden Warren 2020-03-11

This collection examines the extent to which nuclear weapons modernization has become a significant point of concern and consideration in international security. Recent statements and substantial investments by nuclear weapon possessor states in the upkeep and modernization of their nuclear postures – particularly the United States, Russia and China – illustrate a return of primacy and the salience of nuclear forces in international politics. The upgrading of systems, the introduction of new capabilities, the intermingling of new

technologies, and the advancement of new strategic models, are all indicative of their elevation in importance and reliance. With contributions from leading thinkers in the nuclear weapons domain, this book elucidates the global strategic and policy implications such modernization efforts by the above-mentioned states will have on international security. In unpacking and conceptualizing this developing source of potential (in)security and tension, the collection not only provides a technical context, but also frames the likely effects modernization could have on the relations between these nuclear weapon powers and the larger impact upon efforts to curb nuclear weapons – both in terms of horizontal and vertical proliferation. The chapters have been arranged so as to inform a variety of stakeholders, from academics to policy-makers, by connecting analytical and normative insights, and thereby, advancing debates pertaining to where nuclear modernization sits as a point of global security consternation in the 21st century.

Unifying Themes in Complex Systems X - Dan Braha 2021-06-14

The International Conference on Complex Systems (ICCS) offers a unique interdisciplinary venue for researchers from the physical and biological sciences, social sciences, psychology and cognitive science, engineering, medicine, human systems, and global systems. This proceedings volume gathers selected papers from the conference. The New England Complex Systems Institute (NECSI) has been instrumental in the development of complex systems science and its applications. NECSI pursues research, education, knowledge dissemination, and community development efforts around the world to promote the study of complex systems and its application for the benefit of society. NECSI hosts the International Conference on Complex Systems and publishes the NECSI Book.

Cardiac Nursing - Elizabeth M Perpetua 2020-10-21

Need to develop strong cardiac nursing skills or advance your practice to a higher level? The newly updated Cardiac Nursing, 7th Edition is the gold standard reference and on-the-unit resource, offering crucial guidance and direction for nurses looking to provide up-to-date, evidence-based cardiac care.

Text Mining: Algorithms and Applications - Kenneth Cosh 2020-02-01

We are living in an era where a vast amount of information is created every second of every day. Meaningful information is the most valuable asset a person, an organization or a country can have. Relevant knowledge can be used to increase revenues, negotiate a better deal, or even win an election. But there are always questions of “how” and “where” to harvest useful knowledge from extensive information. This book offers its readers a way to use machine learning and data mining techniques to acquire worthwhile knowledge from a colossal amount of information. There are many examples that make this book easy to read and follow. Since, the author is an active researcher in the field, readers of this book will receive current techniques in the field of data mining. This is a book for a person who wants to learn how to extract fruitful knowledge from social media and the Internet.

Nuclear Security Summits - Amandeep S. Gill 2019-10-19

This book describes the four Nuclear Security Summits held over 2010-2016 at the initiative of U.S. President Barack Obama. The author draws upon his unique vantage point as a participant in the Summits, exclusive interviews with practitioners, and access to primary documents, to write an engaging history of the NSS and of nuclear security in general. The story of the NSS is also in part the story of multilateral nuclear forums, which have sprung up regularly since the dawn of the nuclear age to address perceived nuclear dangers. The success of these Summits in addressing the threat of nuclear terrorism holds important lessons for the design and work of nuclear forums today and into the future. The author presents a new approach to assessing ‘international learning’ that has important implications for the design of multilateral forums and updates the Cold War areas of nuclear knowledge being ‘learnt’ in the light of the NSS experience and other recent developments. This work will be of interest to scholars and practitioners in security studies, nuclear history, and International Relations.

Sensemaking in Safety Critical and Complex Situations - Stig Ole Johnsen 2021-07-14

Sensemaking in Safety Critical and Complex Situations: Human Factors and Design Human factors-based design that supports the strengths and weaknesses of humans are often missed during the concept and design of complex technical systems. With the focus on digitalization and automation, the human actor is often left out of the loop but needs to step in during safety-critical situations. This book describes how human factors and sensemaking can be used as part of the concept and design of safety critical systems in order to improve safety and resilience. This book discusses the challenges of automation and automated systems when humans are left out of the loop and then need to intervene when the situation calls for it. It covers human control and accepts that humans must handle the unexpected and describes methods to support this. It is based on recent accident analysis involving autonomous systems that move our understanding forward and supports a more modern view on human errors to improve safety in industries such as shipping and marine. The book is for human factors and ergonomists, safety engineers, designers involved in safety critical work and students. Stig Ole Johnsen is a Senior Researcher at SINTEF in Norway. He has a PhD from NTNU in Norway with a focus on resilience in complex socio-technical systems and has a Master’s in Technology Management from MIT/NTNU. He chairs the Human Factors in Control network (HFC) in Norway to strengthen the human factors focus during development and implementation of safety critical technology. His research interests include meaningful human control to support safety and resilience during automation and digitalization. Thomas Porathe has a degree in Information Design from Malardalen University in Sweden. He is currently Professor of Interaction Design at the Norwegian University of Science and Technology in Trondheim, Norway. He specializes in maritime human factors and design of maritime information systems, specifically directed towards control room design, e-navigation and autonomous ships. He has been working with e-Navigation since 2006 in EU projects such as BLAST, EfficienSea, MONALISA, ACCSEAS, SESAME and the unmanned ship project MUNIN. He is active in the International Association of Aids to Navigation and Lighthouse

Authorities (IALA).

The First Reactor - United States. Energy Research and Development Administration 1967