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U.S. Security Cooperation with Africa MDPI
Offering an in-depth examination into sustainable energy sources, applications, technologies and policies, this book provides real-world examples of ways to achieve important sustainability goals. Themes include program assessment, energy efficiency, renewables, clean energy and approaches to carbon reduction. Included are a compiled set of chapters discussing the various international strategies and policies being planned and implemented to reduce energy use, impact carbon emissions and shift towards alternative energy sources. Taking an international perspective, contributors from the U.S., Canada, Trinidad and Tobago, Peru, Hungary, Spain, Iran, Ukraine, Jordan, the UAE, Nigeria, South Africa, India, China and Korea, offer their views of energy issues and provide detailed solutions. These can be broadly applied by engineers, scientists, energy

managers, policy experts and decision makers to today's critical energy problems.

Hypothetical Spacecraft and Interstellar Travel Routledge

Through his innovative study of language, noted Heidegger scholar Lawrence Hatab offers a proto-phenomenological account of the lived world, the "first" world of factual life, where pre-reflective, immediate disclosiveness precedes and makes possible representational models of language. Common distinctions between mind and world, fact and value, cognition and affect miss the meaning-laden dimension of embodied, practical existence, where language and life are a matter of "dwelling in speech." In this second volume, Hatab supplements and fortifies his initial analysis by offering a detailed treatment of child development and language acquisition, which exhibit a

proto-phenomenological world in the making. He then takes up an in-depth study of the differences between oral and written language (particularly in the ancient Greek world) and how the history of alphabetic literacy shows why Western philosophy came to emphasize objective, representational models of cognition and language, which conceal and pass over the presentational domain of dwelling in speech. Such a study offers significant new angles on the nature of philosophy and language.

Exploration and Production of Oceanic Natural Gas Hydrate

Routledge

Containing an in-depth study of the emerging theory and core of ecological law, this book insightfully proposes a

'lens of ecological law' through which the disparity between current laws and ecological law can be assessed. The lens consists of three principles: ecocentrism, ecological primacy and ecological justice. These principles are used within the book to explore and analyse the challenges and opportunities related to the transition to ecological law and to examine three key mining case studies.

Philosophy, Computing and Information Science Rowman & Littlefield Publishers

Two of the greatest current challenges are

climate change (and variability) and food security. Feeding nine billion people by 2050 will require major efforts aimed at climate change adaptation and mitigation. One approach to agriculture has recently been captured by the widely adopted term of "Climate Smart Agriculture" (CSA). This book not only explains what this entails, but also presents practical on-the-ground studies of practices and innovations in agriculture across a broader spectrum, including agroecology and conservation agriculture, in less developed countries. It is shown that CSA is not a completely new science and a number of its recommended technologies have been used for some time by local farmers all over the world. What is relevant and new is 'the approach' to exploit their adaptation and mitigation potential. However, a major limitation is the lack of evidence-based knowledge that is necessary for policy makers to prepare strategies for adaptation and mitigation. This book assembles knowledge of CSA, agroecology and conservation agriculture, and perspectives from different regions of the world, to build resilient food systems. The first part analyzes the concept, opportunities and challenges, and provides a global perspective, drawing particularly on studies from Africa and Asia. The second part of the book showcases results from various studies linked to soil, water and crop management measures from an ongoing program in India as well as experiences from other regions. The third section assesses the needs for an enabling policy environment, mainstreaming gender and some final recommendations for up-scaling and/or out-scaling innovations.

Football Psychology OECD Publishing

Health and Elite Sport is the first book to critically examine the relationship between participation in high performance sport and health outcomes. Drawing on theory and empirical data from a wide range of disciplines, including sociology, developmental psychology, epidemiology, and physical education, the book explores the benefits and detriments of participation in elite sport for both individuals (athletes, coaches, spectators) and communities. Written by a team of leading international sport researchers, the book examines key issues including: Talent identification and young athletes Abuse in sport Positive youth development through sport Athlete health in periods of transition Health, sport and the family Health in professional sport The Olympics, Paralympics and public health Long term effects of participation in elite sport Highlighting the connections and contradictions between high performance sport and health, the book also discusses the clear and important implications for

our socio-cultural, political and developmental understanding of sport. Health and Elite Sport is fascinating and important reading for all students and researchers with an interest in youth sport, sports development, sport policy, sports coaching, exercise and health, physical education, the sociology of sport, or the sociology of health.

Teachable Moments and the Science of Education Routledge

Ecology has become a central question governing the survival and sustainability of human societies, cultures and languages. In this timely study, Michael Cronin investigates how the perspective of the Anthropocene, or the effect of humans on the global environment, has profound implications for the way translation is considered in the past, present and future. Starting with a deep history of translation and ranging from food ecology to inter-species translation and green translation technology, this thought-provoking

book offers a challenging and ultimately hopeful perspective on how translation can play a vital role in the future survival of the planet.

Evolution of NK-mediated target recognition under the pressure of physiologic or pathologic stimuli Ashgate Publishing, Ltd.

NATIONAL BOOK AWARD LONGLIST
NEW YORK TIMES EDITORS' CHOICE

A virtuosic debut from a gifted violinist searching for a new mode of artistic becoming

How does time shape consciousness and consciousness, time? Do we live in time, or does time live in us? And how does music, with its patterns of rhythm and harmony, inform our experience of time? Uncommon

Measure explores these questions from the perspective of a young Korean American who dedicated herself to perfecting her art until

performance anxiety forced her to give up the dream of becoming a concert solo violinist.

Anchoring her story in illuminating research in neuroscience and quantum physics, Hodges traces her own passage through difficult family dynamics, prejudice, and enormous personal expectations to come to terms with the meaning of a life reimagined—one still shaped by classical music but moving toward the freedom of improvisation.

The Lens of Ecological Law BoD – Books on Demand

Since their discovery NK cells have come out as potential tools to fight cancer and viruses. This finding early urged different groups to study the mechanisms governing NK cell function. The identification of the MHC-I-

specific inhibitory receptors (i.e. KIRs, NKG2A and certain Ly49 molecules) allowed defining rather rapidly how NK cells could avoid self-aggression and how they could be directed towards targets that were forced, by viral infection or tumor transformation, to down-regulate MHC-I expression. In a second time, also the repertoire of surface activating receptors addressing NK cytotoxicity towards tumors and pathogens was mostly defined. In spite of the first findings, however, most recent studies may suggest that NK cells and their receptors might not have been evolved to kill tumor targets and, perhaps, they might have been only partially influenced, in their evolution, by the need of recognizing viruses. Indeed certain NK receptors known to activate NK cell

cytotoxicity (NKp30, DNAM-1, NKp80) can also participate at regulatory interactions occurring between NK and myeloid cells. In addition, a peculiar NK cell subset which intensively populate decidua during the first trimester of pregnancy, through the engagement of specific receptors and the interaction with decidual DC, produce chemokines and pro-angiogenic cytokines, and induce Tregs. Thus, in this context, NK cells favor decidua vascularization and development of the (semiallogeneic) foetus in a tolerant environment. Viruses have nevertheless played an important role in shaping the NK cell receptor repertoire. Several studies have unveiled clues of the evolutionary struggle between these pathogens and NK cells. Different NK receptors,

including NKp46, NKp30, NKp44, NKG2D, NKG2C, Ly49, and certain KIRs have been demonstrated to recognize virus-encoded or virus-induced ligands. The expression of TLR specifically recognizing microbial products, together with the unexpected role of KIR3DL2 in shuttling these products to TLR-containing endosomes have also been documented in NK cells. On the other side, different viral immune evasion molecules have been shown to interfere with the expression of ligands for T or NK cell activating receptors. In addition, viral infections can occur in the reproductive stage of life cycle, and may represent a serious threat for the species propagation. Thus the control of viruses, together with the maintenance of foetus during pregnancy, should represent major evolutionary forces in shaping NK-receptors. Along this line, the NK-mediated control of tumors should not be under the same evolutionary pressure, as tumors mostly appear later in the life cycle, and the recognition of tumor-encoded ligands may be less efficient (as the NK cell receptors might have not been selected for such aim). This may be the reason why, although displaying strong antitumor activity in vitro, NK cells could hardly contain tumor burden in vivo. In addition the pathogen-driven evolution of NK cell function may also favor the role of NK cells in the insurgence of immune-mediated diseases. This research topic will collect contributions that may clarify the relationships between the evolution of the NK receptors and their role in an efficient recognition of viruses and tumor cells or in immune-

mediated diseases.

Citizen Science: Reducing Risk and Building Resilience to Natural Hazards Oxford University Press

Building on the experience of OECD countries, this report sets out how the latest economic evidence and tools can enable better policy making for adaptation. Professional Wrestling and the Commercial Stage UCL Press

Imagine what it would be like to go back in time to the 15th century Venice. And imagine what it would be like to meet your lifelong hero, Michelangelo. And imagine what it would be like if, on first meeting, you spill a tray of pasta and wine on that very same hero. Well, that's what happens to serious young artist Mark Breen. As the result of a drunken bet, Mark knocks out a painting of a toilet bowl. Much to his amazement, he sells it. In short order he's hailed as the new Andy Warhol and becomes an overnight

sensation-and a very wealthy man. Soon, images of his toilet bowls are on more t-shirts, mugs, and calendars than Edvard Munch's The Scream. His friend and mentor, Hugh Connelly, afraid that Mark is in danger of losing his "artistic soul," advises him to go back to Italy and reacquaint himself with the "old masters." In Venice, Mark falls in love with Alexandra, a beautiful art restorer, but it's a one-sided affair. One night, hoping to win her over, he climbs up on a roof to find out who painted her favorite fresco. He falls off the roof and wakes up in 15th century Venice where he meets an innkeeper named Francesca, who looks exactly like Alexandra. And it gets curiouser and curiouser from there. During his stay-which is sometimes zany and sometimes frightening-he meet his hero, Michelangelo, who teaches him the true meaning of art. Climate Change Risks and Adaptation

Linking Policy and Economics Routledge

This second edition provides extensive information on the attributes of the Natural Gas Hydrate (NGH) system, highlighting opportunities for the innovative use and modification of existing technologies, as well as new approaches and technologies that have the potential to dramatically lower the cost of NGH exploration and production. Above all, the book compares the physical, environmental, and commercial aspects of the NGH system with those of other gas resources. It subsequently argues and demonstrates that natural gas can provide the least expensive energy during the transition to, and possibly within, a renewable energy future, and that NGH poses the lowest environmental risk of all gas resources.

Intended as a non-mathematical, descriptive text that should be understandable to non-specialists as well as to engineers concerned with the physical characteristics of NGH reservoirs and their production, the book is written for readers at the university graduate level. It offers a valuable reference guide for environmentalists and the energy community, and includes discussions that will be of great interest to energy industry professionals, legislators, administrators, regulators, and all those concerned with energy options and their respective advantages and disadvantages.

Green Extraction of Natural Products Bellevue Literary Press

Professional Wrestling and the Commercial Stage examines professional wrestling as a century-old, theatrical form that spans from its local places of performance to circulate as a popular, global product.

Professional wrestling has all the trappings of sport, but Media SA

is, at its core, a theatrical event. This book acknowledges that professional wrestling shares many theatrical elements such as plot, character, scenic design, props, and spectacle. By assessing professional wrestling as a neglected but prototypical case study in the global business of theatre, Laine argues that it is an exemplary form of globalizing, commercial theatre. He asks what theatre scholars might learn from pro wrestling and how pro wrestling might contribute to conversations beyond the ring, by considering the laboring bodies of the wrestlers, and analyzing wrestling 's form and content. Of interest to scholars and students of theatre and performance, cultural studies, and sports studies, *Professional Wrestling and the Commercial Stage* delimits the edges of wrestling 's theatrical frame, critiques established understandings of corporate theatre, and offers key wrestling concepts as models for future study in other fields.

Climate Change and Public Health Frontiers

With the rise of the ' knowledge for development ' paradigm, expert advice has become a prime instrument of foreign aid. At the same time, it has been object of repeated criticism: the chronic failure of ' technical assistance ' – a notion under which advice is commonly subsumed – has been documented in a host of studies. Nonetheless, international organisations continue to send advisors, promising to increase the ' effectiveness ' of expert support if their technocratic recommendations are taken up. This book reveals fundamental problems of expert advice in the context of aid that concern issues of power and legitimacy rather than merely flaws of implementation. Based on empirical evidence from South Africa and Tanzania, the authors show that aid-related advisory processes are

inevitably obstructed by colliding interests, political pressures and hierarchical relations that impede knowledge transfer and mutual learning. As a result, recipient governments find themselves caught in a perpetual cycle of dependency, continuously advised by experts who convey the shifting paradigms and agendas of their respective donor governments. For young democracies, the persistent presence of external actors is hazardous: ultimately, it poses a threat to the legitimacy of their governments if their policy-making becomes more responsive to foreign demands than to the preferences and needs of their citizens.

Interplay between Autophagy and Metabolic Syndrome: Causes, Consequences and Therapeutic Challenges Routledge

Governing Technology in the Quest for Sustainability on Earth explores how human technologies can be managed to ensure the long-term sustainability of our species and of other life forms with which we share

this world. It analyses human impact, the discourses of environmentalism and issues of economics, history and science. As these variables are complex, drawing on issues from the social, physical and life sciences as well as the humanities, Dain Bolwell uses an interdisciplinary approach to investigate these concepts and their related public policies. Exploring three major existing and emerging technologies – chemical herbicides, nuclear-electric power generation, and robotics and artificial intelligence – the book demonstrates the multifaceted and complicated nature of the grand challenges we face and draws out the measures required to effect sustainability in the wider political sphere. Exploring how we can govern technology most effectively to ensure a long term and sustainable future, this book will be of great interest to students and researchers of environmental studies, science and technology and environmental law and policy.

Autoimmuno-Anti-Tumour Immunity (AATI) – Understanding the Immune Responses against

“ Self ” & “ Altered-self ” John Wiley & Sons
What is the role of international organizations in the international political system? The fourth edition of Clive Archer ’ s widely used textbook continues to provide students with an introduction to international organizations, exploring their rise and development, and accounts for their significance in the modern international political system. International Organizations fourth edition: has been fully updated to take into account the considerable developments in the field since the last edition was published in 2001. continues to offer a unique concise yet comprehensive approach, offering students an accessible and manageable introduction to this core part of international relations. offers an authoritative guide to the literature about international organizations and provides advice on further reading.

Concepts of Advanced Zero Waste Tools
Springer

In Kenya, cultural and natural heritage has a particular value. Its pre-historic heritage not only tells the story of man's origin and evolution but has also contributed to the understanding of the earth's history: fossils and artefacts spanning over 27 million years have been discovered and conserved by the National Museums of Kenya (NMK). Alongside this, the steady rise in the market value of African art has also affected Kenya. Demand for African tribal art has surpassed that for antiquities of Roman, Byzantine, and Egyptian origin, and in African countries currently experiencing conflicts, this activity invariably attracts looters, traffickers and criminal networks. This book brings together

essays by heritage experts from different backgrounds, including conservation, heritage management, museum studies, archaeology, environment and social sciences, architecture and landscape, geography, philosophy and economics to explore three key themes: the underlying ethics, practices and legal issues of heritage conservation; the exploration of architectural and urban heritage of Nairobi; and the natural heritage, landscapes and sacred sites in relation to local Kenyan communities and tourism. It thus provides an overview of conservation practices in Kenya from 2000 to 2015 and highlights the role of natural and cultural heritage as a key factor of social-economic development, and as a potential instrument for conflict resolution

Governing Technology in the Quest for

Sustainability on Earth Elsevier

This volume discusses environmental issues associated with deep-sea mining, with an emphasis on potential impacts, their consequences and the policy perspectives. The book describes the methods and technologies to assess, monitor and mitigate mining impacts on marine environments, and also suggests various approaches for environmental management when conducting deep-sea mining. The volume brings together information and data for researchers, contractors, mining companies, regulators, and NGOs working in the field of deep-sea mining. Section 1 highlights the various environmental issues and discusses methods and approaches that can help in developing environmentally sustainable deep-sea mining. Section 2 details the results and outcomes of studies related to impact assessment of deep-sea

mining, and proposes methods for monitoring. Section 3 discusses the need and means for developing data standards and their application to deep-sea mining. Section 4 discusses the policies, approaches, and practices related to deep-sea mining, suggests formats for developing environmental impact statements (EIS) and environmental management plans (EMP), and describes national and international regulations for environmental management. Section 5 concludes the text by putting deep-sea economic activities into an environmental context and conducting techno-economic analyses of deep-sea mining and processing.

The Connection of the Physical Sciences

Routledge

Extraction processes are essential steps in numerous industrial applications from perfume over pharmaceutical to fine chemical industry.

Nowadays, there are three key aspects in industrial extraction processes: economy and quality, as well as environmental considerations. This book presents a complete picture of current knowledge on green extraction in terms of innovative processes, original methods, alternative solvents and safe products, and provides the necessary theoretical background as well as industrial application examples and environmental impacts. Each chapter is written by experts in the field and the strong focus on green chemistry throughout the book makes this book a unique reference source. This book is intended to be a first step towards a future cooperation in a new extraction of natural products, built to improve both fundamental and green parameters of the techniques and to increase the amount of extracts obtained from renewable resources with a minimum consumption of energy and solvents,

and the maximum safety for operators and the environment.

Hybrid Advanced Optimization Methods with Evolutionary Computation Techniques in Energy Forecasting Routledge

Advanced Zero Waste Tools: Present and Emerging Waste Management Practices, Volume One in the Concepts of Advanced Zero Waste Tools series addresses the fundamental principles of zero waste that encourages the redesign of resource lifecycles so that products are reused. By promoting reuse and recycling, as well as prevention and product designs that consider the entire product lifecycle, the zero waste philosophy advocates for sustainability and environmental management and protection. This book takes the first step toward

addressing the tools needed to implement zero waste, both on a practical and conceptual scale. In addition to environmental and engineering principles, the book also covers economic, toxicologic and regulatory issues, making it an important resource for researchers, engineers and policymakers working toward environmental sustainability. Uses fundamental, interdisciplinary and state-of-the-art coverage of zero waste research to provide an integrated approach to tools, methodology and indicators Covers current challenges, design and manufacturing technology, and sustainability applications Includes up-to-date references and web resources at the end of each chapter, as well as a webpage dedicated to providing supplementary information

Back to Venice Penguin

The Making of Low Carbon Economies looks at how more than two decades of sustained effort at climate change mitigation has resulted in a variety of new practices, rules and ways of doing things: a period of active construction of low carbon economies. From outer space observations of the carbon in tropical forests, to carbon financial reporting, and insulating solid masonry walls, these diverse things, activities and objects are integral to how climate change has been brought into being as a problem. The book takes a fresh look at society 's response to climate change by examining a diverse array of empirical sites where climate change is being made real through its incorporation into everyday lives – a process of stitching climate concerns into the discourse and practices of already existing economies, as well as creating new economies. The Making of Low

Carbon Economies adds fresh insights to economic sociology and science and technology studies scholarship on the multiple origins and heterogeneous operation of markets, demonstrating the constraints and opportunities of an economic framing of the problem of climate change. It covers the obvious (and now well-researched) topic of carbon markets, as well as new more unusual material on the low carbon reframing of already existing markets and economies.