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From Able to Remarkable - Robert Massey
2019-10-04

In *From Able to Remarkable: Help your students become expert learners*, Robert Massey provides a pathway to help teachers guide their students through the gauntlets of the gifted, the underpasses of underachievement and the roadblocks to remarkable on their learning journeys. What makes remarkable students remarkable? Attributes such as resilience, curiosity and intelligence may come to mind and we might also add others, such as intuition and tenacity. But what has helped make them what they are? Were they born this way, or did their 'remarkabilities' emerge during their schooling? Such questions may make teachers feel uneasy, prompting them to reflect on the sometimes limiting scope of what is often labelled as 'gifted and talented provision' in their school. Robert Massey argues, however, that these remarkabilities are there, latent and dormant, in many more students than we might at first acknowledge. In *From Able to Remarkable* Robert shares a rich variety of practical, cross-curricular strategies designed to help teachers unearth and nurture these capabilities and signpost a route to the top for every learner. Informed by educational research and evidence from the field of cognitive science, the book talks teachers through a wide range of effective teaching and learning techniques all of which are appropriate for use with all pupils and not only with top sets or high attainers. Robert also shares ideas on how teachers can improve their students' abilities to receive, respond to and then deliver feedback on both their own work and that of others. To complement the feedback

process, he presents practical methods to help teachers make questioning, self-review and greater student ownership of their questioning within lessons a staple of day-to-day classroom interaction. Venturing beyond the classroom, the book also explores approaches to whole-school provision for high-attaining students and offers some robust stretch and challenge to educational leaders in considering what widespread excellence in education might look like. Suitable for teachers and gifted and talented coordinators in both primary and secondary schools.

Society and the Environment - Michael Carolan
2018-05-15

Society and the Environment examines today's environmental controversies within a socio-organizational context. After outlining the contours of 'pragmatic environmentalism', Carolan considers the pressures that exist where ecology and society collide, such as population growth and its associated increased demands for food and energy. He also investigates how various ecological issues, such as climate change, are affecting our very own personal health. Finally, he drills into the social/structural dynamics (including political economy and the international legal system) that create ongoing momentum for environmental ills. This interdisciplinary text features a three-part structure in each chapter that covers 'fast facts' about the issue at hand, examines its wide-ranging implications, and offers balanced consideration of possible real-world solutions. New to this edition are 'Movement Matters' boxes, which showcase grassroots movements that have affected legislation. Discussion

questions and key terms enhance the text's usefulness, making *Society and the Environment* the perfect learning tool for courses on environmental sociology.

Cambridge International AS and A Level Biology Coursebook with CD-ROM - Mary Jones 2014-08-28

Fully revised and updated content matching the Cambridge International AS & A Level Biology syllabus (9700). Endorsed by Cambridge International Examinations, the Fourth edition of the AS/A Level Biology Coursebook comprehensively covers all the knowledge and skills students need during the Biology 9700 course (first examination 2016). Written by renowned experts in Biology teaching, the text is written in an accessible style with international learners in mind. The Coursebook is easy to navigate with colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts are discussed throughout enhancing the relevance and interest for learners.

Legal Protection for Computer-Implemented Inventions - Sabine Kruspig 2016-04-24

As a result of the incorporation of computer software into countless commercial and industrial products, the patentability of software has become a vital issue in intellectual property law. This indispensable book provides an overview on the current status of computer-implemented inventions in patent law across Europe and major jurisdictions worldwide. A hugely practical field research tool with guidance based on case law, it examines the major hurdles in each particular country and describes the best practice to be adopted. Clearly showing how enforceable software patent applications can be competitively drafted and how a patent portfolio for computer-implemented inventions can be established in several countries without spending money unnecessarily on problematic examination proceedings, this book covers such issues and topics as the following: • claim categories for patent applications; • sufficient level of abstraction/breadth of the claimed invention; • fundamental terms of computing and

terminological traps; • probability for patents dependent on software application areas; and • patents in core areas of computing. With separate chapters for the key countries, Germany, the United Kingdom, France, the United States, China, Korea, Japan, India, and the European Patent Office the legal situation for computer-implemented inventions in each country or region, this book includes guidance on prosecution under national law, analyses of relevant court decisions, practice checklists, and an outlook on future developments.. The authors describe claim formulation based on actual cases and on principles of computer science in order to show what might be or might not be patentable in each jurisdiction. With this incomparable resource, patent attorneys and patent professionals in companies will get a basis for making decisions about the most appropriate jurisdictions in which to file patent applications. This book will also be of great value to computer professionals who are affected by the protection of software or who are actively involved in the protection of software by patent law.

Hybrid Metaheuristics - Maria J. Blesa 2014-06-04

This book constitutes the refereed proceedings of the 9th International Workshop on Hybrid Metaheuristics, HM 2014, held in Hamburg, Germany, in June 2014. The 14 revised full papers presented were carefully reviewed and selected from 22 submissions. The selected papers cover both theoretical and experimental results, including new paradigmatic hybrid solvers and automatic design approaches as well as applications to logistics and public transport.

m-Health - Robert S. H. Istepanian 2016-10-14
Addresses recent advances from both the clinical and technological perspectives to provide a comprehensive presentation of m-Health This book introduces the concept of m-Health, first coined by Robert S. H. Istepanian in 2003. The evolution of m-Health since then—how it was transformed from an academic concept to a global healthcare technology phenomenon—is discussed. Afterwards the authors describe in detail the basics of the three enabling scientific technological elements of m-Health (sensors, computing, and communications), and how each of these key ingredients has evolved and

matured over the last decade. The book concludes with detailed discussion of the future of m-Health and presents future directions to potentially shape and transform healthcare services in the coming decades. In addition, this book: Discusses the rapid evolution of m-Health in parallel with the maturing process of its enabling technologies, from bio-wearable sensors to the wireless and mobile communication technologies from IOT to 5G systems and beyond Includes clinical examples and current studies, particularly in acute and chronic disease management, to illustrate some of the relevant medical aspects and clinical applications of m-Health Describes current m-Health ecosystems and business models Covers successful applications and deployment examples of m-Health in various global health settings, particularly in developing countries

Nanotechnologies in the Conservation of Cultural Heritage - Piero Baglioni 2014-11-20

This book presents novel applications of nanotechnology for the preservation of artistic and historical artifacts. It explains the scientific principles behind numerous nanomaterials and discusses their applications to different types of common movable and fixed artistic substrates. It starts with an overview of the nano-tools developed over the last three decades, such as dispersions of nanoparticles, micellar solutions, microemulsions and gels. Compared to traditional methods, these new tools have the benefit of considerably less impact on both the operators and the environment. Each chapter is dedicated to a specific type of cultural heritage material (wall and easel paintings, stone, paper, canvas and wood) starting with the main degradation paths and discussing protocols for the application of innovative nanomaterials-based tools for cleaning, consolidation, or deacidification, which represent the majority of the case studies encountered in restoration facilities, workshops and ateliers. The book provides step-by-step descriptions that are meant to support conservators in the application of these novel materials and methods. The aim of the book is to equip end-users and conservators with essential information and knowledge on the availability and applicability of different nanomaterials and dispersed systems. While the book's focus is on the practical aspects,

interested readers will also find references to the relevant advanced colloid and material science literature. Main audience: Expert conservators, restorers and technical staff at conservation institutes and museums, students at conservation and restoration schools, and scientists who are new to the field of conservation of artistic and historical artifacts.

Commerce - YCT Expert Team
2022-23 TGT/PGT/LT Grade Commerce Chapter-wise Solved Papers

The Burning Answer: The Solar Revolution: A Quest for Sustainable Power - Keith Barnham 2015-05-15

Using the little-known equation $E=hf$ as the foundation for a compelling new vision, *The Burning Answer* reveals the importance of embracing solar energy as the only solution to the global energy crisis. Our society faces a choice. We could be enjoying a sustainable lifestyle but we have chosen not to. In three generations we have consumed half the oil produced by photosynthesis over eight million generations. In two generations we have used half our uranium resources. With threats from global warming, oil depletion and nuclear disaster, we are running out of options. Solar power, as Keith Barnham explains, is our necessary solution. In *The Burning Answer* he uncovers the connections between physics and politics that have resulted in our dependence on a high-carbon lifestyle, which only a solar revolution can now overcome. Einstein's famous equation $E=mc^2$ led to the atomic bomb and the widespread use of nuclear energy; it has delayed a solar revolution in many countries. In a fascinating tour of recent scientific history, Keith Barnham reveals Einstein's other, less famous equation, the equation the world could have relied on. Barnham explains that the roots of solar energy lie in a little known equation $E=hf$, an equation which was coincidentally celebrated (and explained to the world) by Einstein in the same year he discovered $E=mc^2$. He alleges that the former equation has been overlooked in favor of the latter, much to our detriment, and Barnham is here to offer us a solution: We can still turn things around and solar energy is the key. While everyone is aware of solar energy, people are still not paying enough attention, and so as well as explaining the science behind it,

Barnham takes his subject forward to advise on what we should be doing to utilize this amazing energy source. In this provocative, inspiring, passionately argued book, Keith Barnham outlines actions that any one and all of us can take to make an impact now and on future generations. The Burning Answer is a solar manifesto for the new climate-aware generation and a must-read for climate-change skeptics. *Our Sexuality* - Robert L. Crooks 2016-01-01 This is the most respected and authoritative college textbook available on human sexuality. Written in a direct, non-judgmental manner, the thirteenth edition of OUR SEXUALITY has been thoroughly and carefully updated to reflect the most current research findings and psychosocial developments. It is the first college text to deliver cutting-edge and in-depth emphasis on the impact of politics on sexuality. Crooks and Baur keep students interested with the most exciting, emerging research and coverage, and focus on strengthening their self-awareness and sexual intelligence. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Recoded City - Thomas Ermacora 2016-07-01 Recoded City examines alternative urban design, planning and architecture for the other 90%: namely the practice of participatory placemaking, a burgeoning practice that co-author Thomas Ermacora terms 'recoding'. In combining bottom-up and top-down means of regenerating and rebalancing neighbourhoods affected by declining welfare or struck by disaster, this growing movement brings greater resilience. Recoded City sheds light on a new epoch in the relationship between cities and civil society by presenting an emerging range of collaborative solutions and distributed governance models. The authors draw on their own fresh research of global pioneers forging localist design strategies, public-realm interventions and new stakeholder dynamics. As the world becomes increasingly digital and virtual, a myriad of online tools and technological options is becoming available. These give unprecedented co-creation opportunities to communities and professionals alike, yielding the benefits of a more open - DIY - society. Because of its close engagement with

people, place and local identity, the field of participatory placemaking has huge untapped potential. Responding to the challenges of the Anthropocene era, Recoded City is for decision-makers, developers and practitioners working globally to make better and more liveable cities.

Hope in Health - Alan Petersen 2015-05-27 Health professionals have shown a growing interest in the therapeutic value of 'hope' in recent years. However, hope has been examined mainly from psychological and biomedical perspectives. Importantly, Hope in Health explores how hope manifests and is sustained in various arenas of health, medicine and healthcare.

Modern Advances in Applied Intelligence - Moonis Ali 2014-05-20

The two volume set LNAI 8481 and 8482 constitutes the refereed conference proceedings of the 27th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2014, held in Kaohsiung, Taiwan, in June 2014. The total of 106 papers selected for the proceedings were carefully reviewed and selected from various submissions. The papers deal with a wide range of topics from applications of applied intelligent systems to solve real-life problems in all areas including engineering, science, industry, automation and robotics, business and finance, medicine and biomedicine, bioinformatics, cyberspace and human-machine interaction.

The Blue Commons - Guy Standing 2022-07-07 'A landmark book... The Blue Commons is at once a brilliant synthesis, a searing analysis, and an inspiring call to action.' - David Bollier 'With remarkable erudition, passion and lyricism, Guy Standing commands the reader to wake up to the threat posed by rentier capitalism's violent policies for extraction, exploitation and depletion of that which is both common to us all, but also vital to our survival: the sea and all within it.' - Ann Pettifor 'Shines a bright light on the economy of the oceans, directing us brilliantly towards where a sustainable future lies.' - Danny Dorling 'This is a powerful, visionary book - essential reading for all who yearn for a better world.' - Jason Hickel The sea provides more than half the oxygen we breathe, food for billions of people and livelihoods for hundreds of

millions. But giant corporations are plundering the world's oceans, aided by global finance and complicit states, following the neoliberal maxim of Blue Growth. The situation is dire: rampant exploitation and corruption now drive all aspects of the ocean economy, destroying communities, intensifying inequalities, and driving fish populations and other ocean life towards extinction. The Blue Commons is an urgent call for change, from a campaigning economist responsible for some of the most innovative solutions to inequality of recent times. From large nations bullying smaller nations into giving up eco-friendly fishing policies to the profiteering by the Crown Estate in commandeering much of the British seabed, the scale of the global problem is synthesised here for the first time, as well as a toolkit for all of us to rise up and tackle it. The oceans have been left out of calls for a Green New Deal but must be at the centre of the fight against climate change. How do we do it? By building a Blue Commons alternative: a transformative worldview and new set of proposals that prioritise the historic rights of local communities, the wellbeing of all people and, with it, the health of our oceans.

The Passenger Pigeon - John Audubon
2015-05-31

The great American naturalist John James Audubon is best known for his beautiful drawings of birds, collected in *The Birds of America* (1827-1838). The five-volume *Ornithological Biography*, a companion to the collection of drawings, was published in 1831 and includes this essay on the Passenger Pigeon, also known as the Wild Pigeon. In it, Audubon describes the bird's remarkable power of flight, power of vision, and hard-to-believe abundance. As he writes of a flock numbering more than one billion birds, a flock so large it darkens the noonday sky, Audubon says, "The multitudes of Wild Pigeons in our woods are astonishing. Indeed, after having viewed them so often, and under so many circumstances, I even now feel inclined to pause, and assure myself that what I am going to relate is fact." Most astonishing of all is the fact that the Passenger Pigeon became extinct in the wild by 1900. The last known individual was a female named Martha, who died in the Cincinnati Zoo in 1914. This short work is

part of Applewood's "American Roots" series, tactile mementoes of American passions by some of America's most famous writers and thinkers.
Combinatorial Pattern Matching - Alexander S. Kulikov 2014-06-12

This book constitutes the refereed proceedings of the 25th Annual Symposium on Combinatorial Pattern Matching, CPM 2014, held in Moscow, Russia, in June 2014. The 28 revised full papers presented together with 5 invited talks were carefully reviewed and selected from 54 submissions. The papers address issues of searching and matching strings and more complicated patterns such as trees; regular expressions; graphs; point sets; and arrays. The goal is to derive combinatorial properties of such structures and to exploit these properties in order to achieve superior performance for the corresponding computational problems. The meeting also deals with problems in computational biology; data compression and data mining; coding; information retrieval; natural language processing; and pattern recognition.

Quantum Interaction - Harald Atmanspacher
2015-02-20

This book constitutes the refereed proceedings of the 8th International Conference on Quantum Interaction, QI 2014, held in Filzbach, Switzerland, in June/July 2014. The 19 papers together with 20 invited keynote presentations presented in this book were carefully selected from 22 submissions. Quantum Interaction has developed into an emerging interdisciplinary area of science combining research topics in fundamental issues, semantic and memory, decision making, games, politics and social aspects, non-locality and entanglement.

A Troublesome Inheritance - Nicholas Wade
2015-04-28

Drawing on startling new evidence from the mapping of the genome, an explosive new account of the genetic basis of race and its role in the human story Fewer ideas have been more toxic or harmful than the idea of the biological reality of race, and with it the idea that humans of different races are biologically different from one another. For this understandable reason, the idea has been banished from polite academic conversation. Arguing that race is more than just a social construct can get a scholar run out of

town, or at least off campus, on a rail. Human evolution, the consensus view insists, ended in prehistory. Inconveniently, as Nicholas Wade argues in *A Troublesome Inheritance*, the consensus view cannot be right. And in fact, we know that populations have changed in the past few thousand years—to be lactose tolerant, for example, and to survive at high altitudes. Race is not a bright-line distinction; by definition it means that the more human populations are kept apart, the more they evolve their own distinct traits under the selective pressure known as Darwinian evolution. For many thousands of years, most human populations stayed where they were and grew distinct, not just in outward appearance but in deeper senses as well. Wade, the longtime journalist covering genetic advances for *The New York Times*, draws widely on the work of scientists who have made crucial breakthroughs in establishing the reality of recent human evolution. The most provocative claims in this book involve the genetic basis of human social habits. What we might call middle-class social traits—thrift, docility, nonviolence—have been slowly but surely inculcated genetically within agrarian societies, Wade argues. These “values” obviously had a strong cultural component, but Wade points to evidence that agrarian societies evolved away from hunter-gatherer societies in some crucial respects. Also controversial are his findings regarding the genetic basis of traits we associate with intelligence, such as literacy and numeracy, in certain ethnic populations, including the Chinese and Ashkenazi Jews. Wade believes deeply in the fundamental equality of all human peoples. He also believes that science is best served by pursuing the truth without fear, and if his mission to arrive at a coherent summa of what the new genetic science does and does not tell us about race and human history leads straight into a minefield, then so be it. This will not be the last word on the subject, but it will begin a powerful and overdue conversation.

Genetic Resources as Natural Information - Manuel Ruiz Muller 2015-09-16

Demonstrating the shortcomings of current policy and legal approaches to access and benefit-sharing (ABS) in the Convention on Biological Diversity (CBD), this book recognizes that genetic resources are widely distributed

across countries and that bilateral contracts undermine fairness and equity. The book offers a practical and feasible regulatory alternative to ensure the goal of fairness and equity is effectively and efficiently met. Through a legal analysis that also incorporates historic, economic and sociological perspectives, the book argues that genetic resources are not tangible resources but information. It shows that the existing preference for bilateralism and contracts reflects resistance on the part of many of the stakeholders involved in the CBD process to recognize them as such. ABS issues respond very well to the economics of information, yet as the author explains, these have been either sidelined or overlooked. At a time when the Nagoya Protocol on ABS has renewed interest in feasible policy options, the author provides a constructive and provocative critique. The institutional, policy and regulatory framework constitute "bounded openness" under which fairness and equity emerge.

Handbook of Research on Digital Transformation, Industry Use Cases, and the Impact of Disruptive Technologies - Wynn, Martin George 2021-10-15

Companies from various sectors of the economy are confronted with the new phenomenon of digital transformation and are faced with the challenge of formulating and implementing a company-wide strategy to incorporate what are often viewed as “disruptive” technologies. These technologies are sometimes associated with significant and extremely rapid change, in some cases with even the replacement of established business models. Many of these technologies have been deployed in unison by leading-edge companies acting as the catalyst for significant process change and people skills enhancement. The *Handbook of Research on Digital Transformation, Industry Use Cases, and the Impact of Disruptive Technologies* examines the phenomenon of digital transformation and the impact of disruptive technologies through the lens of industry case studies where different combinations of these new technologies have been deployed and incorporated into enterprise IT and business strategies. Covering topics including chatbot implementation, multinational companies, cloud computing, internet of things, artificial intelligence, big data and analytics,

immersive technologies, and social media, this book is essential for senior management, IT managers, technologists, computer scientists, cybersecurity analysts, academicians, researchers, IT consultancies, professors, and students.

Computational Science and Its Applications - ICCSA 2014 - Beniamino Murgante 2014-07-02
The six-volume set LNCS 8579-8584 constitutes the refereed proceedings of the 14th International Conference on Computational Science and Its Applications, ICCSA 2014, held in Guimarães, Portugal, in June/July 2014. The 347 revised papers presented in 30 workshops and a special track were carefully reviewed and selected from 1167. The 289 papers presented in the workshops cover various areas in computational science ranging from computational science technologies to specific areas of computational science such as computational geometry and security.

International Plant Proteomics Organization (INPPO) World Congress 2014

- Joshua L. Heazlewood 2017-02-08
The field of proteomics has advanced considerably over the past two decades. The ability to delve deeper into an organism's proteome, identify an array of post-translational modifications and profile differentially abundant proteins has greatly expanded the utilization of proteomics. Improvements to instrumentation in conjunction with the development of these reproducible workflows have driven the adoption and application of this technology by a wider research community. However, the full potential of proteomics is far from being fully exploited in plant biology and its translational application needs to be further developed. In 2011, a group of plant proteomic researchers established the International Plant Proteomics Organization (INPPO) to advance the utilization of this technology in plants as well as to create a way for plant proteomics researchers to interact, collaborate and exchange ideas. The INPPO conducted its inaugural world congress in mid 2014 at the University of Hamburg (Germany). Plant proteomic researchers from around the world were in attendance and the event marked the maturation of this research community. The Research Topic captures the opinions, ideas and research discussed at the congress and

encapsulates the approaches that were being applied in plant proteomics.

The Haze Problem in Southeast Asia - Helena Varkkey 2015-07-16

Despite the efforts of Southeast Asian governments and of ASEAN, transboundary haze continues to be a major environmental problem in Southeast Asia. This book demonstrates that the issue is complex, and explains why efforts to solve the problem in purely political terms are ineffective, and likely to continue to be ineffective. The book shows how state-led, state-incentivised agribusiness development lies at the heart of the problem, leading to a large rise in palm oil production, with extensive clearing of forests, leading to deliberate or accidental fires and the resulting haze. Moreover, although the forest clearing is occurring in Indonesia, many of the companies involved are Malaysian and Singaporean; and, further, many of these companies have close relationships with the politicians and officials responsible for addressing the problem and who thereby have a conflict of interest. The author concludes by discussing the huge difficulties involved in overturning this system of 'patronage politics'.
Push Button Agriculture - K. R. Krishna 2017-03-16

This book covers three main types of agricultural systems: the use of robotics, drones (unmanned aerial vehicles), and satellite-guided precision farming methods. Some of these are well refined and are currently in use, while others are in need of refinement and are yet to become popular. The book provides a valuable source of information on this developing field for those involved with agriculture and farming and agricultural engineering. The book is also applicable as a textbook for students and a reference for faculty.

Information and Communication Technologies in Education, Research, and Industrial Applications - Vadim Ermolayev 2014-11-27

This book constitutes the thoroughly refereed proceedings of the 10th International Conference on Information and Communication Technologies in Education, Research, and Industrial Applications, held in Kherson, Ukraine, in June 2014. The 16 revised full papers presented were carefully reviewed and selected

from 66 submissions. The papers are organized in topical sections on framework and tools; information and communication technologies in teaching and learning; information and communication technologies in research and industrial applications.

Staying with the Trouble - Donna J. Haraway
2016-08-19

In the midst of spiraling ecological devastation, multispecies feminist theorist Donna J. Haraway offers provocative new ways to reconfigure our relations to the earth and all its inhabitants. She eschews referring to our current epoch as the Anthropocene, preferring to conceptualize it as what she calls the Chthulucene, as it more aptly and fully describes our epoch as one in which the human and nonhuman are inextricably linked in tentacular practices. The Chthulucene, Haraway explains, requires sym-poiesis, or making-with, rather than auto-poiesis, or self-making. Learning to stay with the trouble of living and dying together on a damaged earth will prove more conducive to the kind of thinking that would provide the means to building more livable futures. Theoretically and methodologically driven by the signifier SF—string figures, science fact, science fiction, speculative feminism, speculative fabulation, so far—*Staying with the Trouble* further cements Haraway's reputation as one of the most daring and original thinkers of our time.

[Discovering Nutrition](#) - Paul Insel 2015-03-15
Issued with access to Navigate 2 online learning materials.

Research and Applications in Global Supercomputing - Segall, Richard S.
2015-01-31

Rapidly generating and processing large amounts of data, supercomputers are currently at the leading edge of computing technologies. Supercomputers are employed in many different fields, establishing them as an integral part of the computational sciences. *Research and Applications in Global Supercomputing* investigates current and emerging research in the field, as well as the application of this technology to a variety of areas. Highlighting a broad range of concepts, this publication is a comprehensive reference source for professionals, researchers, students, and practitioners interested in the various topics

pertaining to supercomputing and how this technology can be applied to solve problems in a multitude of disciplines.

Sustainable Development and Social Responsibility—Volume 2 - Ahmed N. Al-Masri
2020-01-13

This book gathers high-quality research papers presented at the 2nd AUE international research conference, AUEIRC 2018, which was organized by the American University in the Emirates, Dubai, and held on November 13th-15th, 2018. The book is broadly divided into two main sections: Sustainability and Smart Business, and Sustainability and Creative Industries. The broad range of topics covered under these sections includes: risk assessment in agriculture, corporate social responsibility and the role of intermediaries, the impact of privatizing health insurance, political events and their effect on foreign currency exchange, the effect of sustainable HR practices on financial performance, sustainability integration in the supply chain and logistics, gender inequality in the MENA economies, the panel data model, the model of sustainable marketing in the era of Industry 4.0, micro-enterprises as a tool for combating unemployment, the impact of financial education and control on financial behavior, measuring financial and asset performance in agricultural firms, a comprehensive strategic approach to sustainability in the UAE, sustainability and project finance, HR analytics, FaD or fashion for organizational sustainability, a conceptual framework of sustainable competitive advantages, psychology of organizational sustainability, Blockchain technology and sustainability, veganism and sustainability, institution building from an emotional intelligence perspective, sustainable concrete production using CWP, occupants' behavior and energy usage in Emirati houses, the effect of shop lighting on consumer behavior, multimedia applications in digital transformation art, integrating biomimicry principles in sustainable architecture, experimental sustainable practices in fashion education, technology-assisted student-centered learning for civil engineering, and a 10-step design process for architectural design studios. All contributions present high-quality original research work, findings and

lessons learned in practical development.

Biological Engagement Programs: Reducing Threats and Strengthening Global Health Security Through Scientific Collaboration -

Jeanne M. Fair 2017-09-13

Biological engagement programs are a set of projects or activities between partner countries that strengthen global health security to achieve mutually beneficial outcomes. Engagement programs are an effective way to work collaboratively towards a common threat reduction goal, usually with a strong focus on strengthening health systems and making the world a safer place. Cooperative programs are built upon trust and sharing of information and resources to increase the capacity and capabilities of partner countries. Biological engagement programs reduce the threat of infectious disease with a focus on pathogens of security concern, such as those pathogens identified by the U.S. Government as Biological Select Agent and Toxins. These programs seek to develop technical or scientific relationships between countries to combat infectious diseases both in humans and animals. Through laboratory biorisk management, diagnostics, pathogen detection, biosurveillance and countermeasure development for infectious diseases, deep relationships are fostered between countries. Biological engagement programs are designed to address dual-use issues in pathogen research by promoting responsible science methodologies and cultures. Scientific collaboration is a core mechanism for engagement programs are designed to strengthen global health security, including prevention of avoidable epidemics; detection of threats as early as possible; and rapid and effective outbreak response. This Research Topic discusses Biological Engagement Programs, highlighting the successes and challenges of these cooperative programs. Articles in this topic outlined established engagement programs as well as described what has been learned from historical cooperative engagement programs not focused on infectious diseases. Articles in this topic highlighted selected research, trainings, and programs in Biological Engagement Programs from around the world. This Topic eBook first delves into Policies and Lessons Learned; then describes Initiatives in Biosafety & Biosecurity; the core of

this work documents Cooperative Research Results from the field; then lastly the Topic lays out potential Future Directions to the continued success of the World's cooperative science in reducing the threat of infectious diseases.

Global Environment Outlook - GEO-6: Healthy Planet, Healthy People - UN Environment 2019-06-06

Published to coincide with the Fourth United Nations Environmental Assembly, UN Environment's sixth Global Environment Outlook calls on decision makers to take bold and urgent action to address pressing environmental issues in order to protect the planet and human health. By bringing together hundreds of scientists, peer reviewers and collaborating institutions and partners, the GEO reports build on sound scientific knowledge to provide governments, local authorities, businesses and individual citizens with the information needed to guide societies to a truly sustainable world by 2050. GEO-6 outlines the current state of the environment, illustrates possible future environmental trends and analyses the effectiveness of policies. This flagship report shows how governments can put us on the path to a truly sustainable future - emphasising that urgent and inclusive action is needed to achieve a healthy planet with healthy people. This title is also available as Open Access on Cambridge Core.

[The Eurasian Wheat Belt and Food Security](#) - Sergio Gomez y Paloma 2016-10-11

This book provides an in-depth analysis of the wheat production developments in the Eurasian region and assesses the potential contribution of the region to domestic and international food security. In particular, the book covers policy and institutional developments of the agricultural sector in Eurasia with a special focus on the horizontal issues relevant to the current and future potential growth of the wheat production, such as land policy, credit and finance, privatization, farm restructuring, and environmental challenges. Global food security is a major societal concern in the light of an increasing population, which is projected to grow from around seven billion today to almost 10 billion in 2050. Two most likely ways to achieve the much needed food production growth are: expansion of land cultivation or

increase in crop yields and total factor productivity. The only region with a significant amount of uncultivated arable land that is at the same time experiencing rising agricultural productivity is the "Eurasian wheat belt," comprising of Russia, Ukraine, Kazakhstan, and the Central Asian countries (Uzbekistan, Tajikistan, Turkmenistan, and Kirgizstan). This makes the region a potential hotspot for driving the future growth of global agriculture. Such prospects require a detailed investigation of Eurasia's future perspectives in terms of food production (with a focus on wheat) and its potential contribution to regional and global food security.

Communities in Action - National Academies of Sciences, Engineering, and Medicine
2017-04-27

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

Experiment Earth - Jack Stilgoe 2015-02-20
Experiments in geoengineering - intentionally manipulating the Earth's climate to reduce global warming - have become the focus of a vital debate about responsible science and

innovation. Drawing on three years of sociological research working with scientists on one of the world's first major geoengineering projects, this book examines the politics of experimentation. Geoengineering provides a test case for rethinking the responsibilities of scientists and asking how science can take better care of the futures that it helps bring about. This book gives students, researchers and the general reader interested in the place of science in contemporary society a compelling framework for future thinking and discussion.

The Rise of Environmental Crime - C. Nellemann
2016

And recommendations -- Introduction -- What is environmental crime? -- The legal framework on environmental crimes -- Growth in environmental crime -- Illegal wildlife trade -- Forestry crimes -- Fisheries crimes -- Waste, pollution -- White collar environmental crimes -- Environmental crime and threat finance to terrorism and conflicts -- Addressing root causes of environmental crime -- Responding to environmental crime -- Restoration case studies - - Coordination of efforts -- Conclusion.

21st-Century Statecraft - Nayef Al-Rodhan
2022-03-31

This book proposes an innovative and comprehensive framework for conducting statecraft in the 21st century. Called neo-statecraft, this framework is based on the reconciliation of power, interests and justice. The author proposes four substrates of neo-statecraft: 1) a new structure he calls meta-geopolitics, which includes seven inter-related dimensions of state power and identifies a Geostrategic Tripwire Pivotal Corridor (TPC); 2) a sustainable national security paradigm that stresses the centrality of justice, symbiotic realism and transcultural synergy; 3) a new concept called just power, which states that power must be smart as well as just, and that global justice is above all a national interest of all states; and 4) a new concept called reconciliation statecraft of the eight global interests. Dr. Nayef R.F. Al-Rodhan is Senior Scholar in Geostrategy and Director of the Programme on the Geopolitical Implications of Globalisation and Transnational Security at the Geneva Centre for Security Policy, Geneva, Switzerland. "This book offers a refreshing and

ambitious re-examination of the nature of statecraft and geopolitics and contains a number of relevant concepts that can be translated into brand-new research and ambitious policy goals. Building on a number of his previous concepts, the author continues a remarkable endeavour aimed at updating and adapting traditional geopolitical perceptions. Step by step, brick after brick, the author is clearly building a major comprehensive contribution to strategic thinking and diplomacy." Professor Francois Gere, Director of Research at Paris 3 Sorbonne Nouvelle and President of the French Institute for Strategic Analysis (IFAS), Paris, France. "This book provides a carefully crafted description of how the international system is being transformed and defines the challenges facing contemporary statecraft in handling that transformation. Nayef Al-Rodhan has undertaken this enormous task by defining the concept of meta-geopolitics and addressing potential future problems while making full use of the analytical tools that he has developed. It is a unique and intellectually courageous undertaking that will help us gain deeper insights into the many dimensions of current and future security challenges." Ambassador Rolf Ekeus, Chairman of the Stockholm International Peace Research Institute (SIPRI), Stockholm, Sweden.

Internet of Things, for Things, and by Things - Abhik Chaudhuri 2018-08-28

This book explains IoT technology, its potential applications, the security and privacy aspects, the key necessities like governance, risk management, regulatory compliance needs, the philosophical aspects of this technology that are

necessary to support an ethical, safe and secure digitally enhanced environment in which people can live smarter. It describes the inherent technology of IoT, the architectural components and the philosophy behind this emerging technology. Then it shows the various potential applications of the Internet of Things that can bring benefits to the human society. Finally, it discusses various necessities to provide a secured and trustworthy IoT service.

Rivers for life - Benazir Ahmed 2014-11-18

This publication includes papers that were part of thirty-five oral and nine poster presentations on various themes presented by eminent researchers/ practitioners at the international symposium on "River Biodiversity: Ganges-Brahmaputra-Meghna River System" facilitated and supported by IUCN.

Control Engineering and Information Systems - Zhijing Liu 2015-01-19

Control Engineering and Information Systems contains the papers presented at the 2014 International Conference on Control Engineering and Information Systems (ICCEIS 2014, Yueyang, Hunan, China, 20-22 June 2014). All major aspects of the theory and applications of control engineering and information systems are addressed, including: Intelligent s

5 Year-wise SBI Bank PO Prelims & Mains Solved Papers (2018-2014) - Disha Experts 2019-05-05

10 Year-wise SBI Bank PO Prelims & Mains Solved Papers (2018 - 2014) consists of past years (memory-based) solved papers from 2018 to 2014. The solutions have been prepared after a thorough research. The detailed solutions are provided immediately after each paper.