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Sport, Education and Social Policy

The state of the social sciences of sport

Taylor & Francis *This important study brings together world-leading researchers to reflect upon the state of the social scientific study of sport. Addressing three core themes in sport studies - equality, education and policy - the book looks back over the development of sport research in recent decades and offers new insights into future lines of enquiry. Presenting a unique collection of authoritative perspectives from some of the best-known scholars in the social scientific study of sport, the book engages with key contemporary issues such as gender stereotypes in physical education, ethnicity, inclusion and critical race theory, physical literacy, physical activity and health, and international sport governance. Its chapters address major topics such as the globalisation of physical activity initiatives and the involvement of the EU in developing sport policies, as well as shedding light on new areas of research such as the growing participation of Muslim women in sport. Sport, Education and Social Policy: The state of the social sciences of sport is fascinating reading for any researcher or advanced student working in sport studies, physical education or kinesiology.*

The History of Music Production

Oxford University Press *In The History of Music Production, Richard James Burgess draws on his experience as a producer, musician, and author. Beginning in 1860 with the first known recording of an acoustic sound and moving forward chronologically, Burgess charts the highs and lows of the industry throughout the decades and concludes with a discussion on the present state of music production. Throughout, he tells the story of the music producer as both artist and professional, including biographical sketches of key figures in the history of the industry, including Fred Gaisberg, Phil Spector, and Dr. Dre. Burgess argues that while technology has defined the nature of music production, the drive toward greater control over the process, end result, and overall artistry come from producers. The result is a deeply knowledgeable book that sketches a critical path in the evolution of the field, and analyzes the impact that recording and disseminative technologies have had on music production. A key and handy reference book for students and scholars alike, it stands as an ideal companion to Burgess's noted, multi-edition book The Art of Music Production.* **Arihant Publications India limited**

What We Think About When We Try Not To Think About Global Warming Toward a New Psychology of Climate Action

Chelsea Green Publishing *Why does knowing more mean believing—and doing—less? A prescription for change The more facts that pile up about global warming, the greater the resistance to them grows, making it harder to enact measures to reduce greenhouse gas emissions and prepare communities for the inevitable change ahead. It is a catch-22 that starts, says psychologist and economist Per Espen Stoknes, from an inadequate understanding of the way most humans think, act, and live in the world around them. With dozens of examples—from the private sector to government agencies—Stoknes shows how to retell the story of climate change and, at the same time, create positive, meaningful actions that can be supported even by deniers. In What We Think About When We Try Not To Think About Global Warming, Stoknes not only masterfully identifies the five main psychological barriers to climate action, but addresses them with five strategies for how to talk about global warming in a way that creates action and solutions, not further inaction and despair. These strategies work with, rather than against, human nature. They are social, positive, and simple—making climate-friendly behaviors easy and convenient. They are also story-based, to help add meaning and create community, and include the use of signals, or indicators, to gauge feedback and be constantly responsive. Whether you are working on the front*

lines of the climate issue, immersed in the science, trying to make policy or educate the public, or just an average person trying to make sense of the cognitive dissonance or grapple with frustration over this looming issue, What We Think About When We Try Not To Think About Global Warming moves beyond the psychological barriers that block progress and opens new doorways to social and personal transformation.

Handbook of the Politics of the Arctic

Edward Elgar Publishing *The Arctic has again become one of the leading issues on the international foreign policy agenda, in a manner unseen since the Cold War. Drawing on the perspectives of geo-politics and international law, this Handbook offers fresh insights and perspectives on the most pressing issues, grouped under the headings of political ascendancy, climate and environmental issues, resources and energy, and the response and policies of affected countries.*

Media Art and the Urban Environment

Engendering Public Engagement with Urban Ecology

Springer *This text formally appraises the innovative ways new media artists engage urban ecology. Highlighting the role of artists as agents of technological change, the work reviews new modes of seeing, representing and connecting within the urban setting. The book describes how technology can be exploited in order to create artworks that transcend the technology's original purpose, thus expanding the language of environmental engagement whilst also demonstrating a clear understanding of the societal issues and values being addressed. Features: assesses how data from smart cities may be used to create artworks that can recast residents' understanding of urban space; examines transformations of urban space through the reimagining of urban information; discusses the engagement of urban residents with street art, including collaborative community art projects and public digital media installations; presents perspectives from a diverse range of practicing artists, architects, urban planners and critical theorists.*

Optimizing the U.S. Ground-Based

Optical and Infrared Astronomy System

National Academies Press *New astronomical facilities, such as the under-construction Large Synoptic Survey Telescope and planned 30-meter-class telescopes, and new instrumentation on existing optical and infrared (OIR) telescopes, hold the promise of groundbreaking research and discovery. How can we extract the best science from these and other astronomical facilities in an era of potentially flat federal budgets for both the facilities and the research grants? Optimizing the U.S. Ground-Based Optical and Infrared Astronomy System provides guidance for these new programs that align with the scientific priorities and the conclusions and recommendations of two National Research Council (NRC) decadal surveys, New Worlds, New Horizons for Astronomy and Astrophysics and Vision and Voyages for Planetary Sciences in the Decade 2013-2022, as well as other NRC reports. This report describes a vision for a U.S. OIR System that includes a telescope time exchange designed to enhance science return by broadening access to capabilities for a diverse community, an ongoing planning process to identify and construct next generation capabilities to realize decadal science priorities, and near-term critical coordination, planning, and instrumentation needed to usher in the era of LSST and giant telescopes.*

Routledge International Handbook of Memory Studies

Routledge *The Routledge International Handbook of Memory Studies offers students and researchers original contributions that comprise the debates, intersections and future courses of the field. It is divided in six themed sections: 1) Theories and Perspectives, 2) Cultural artefacts, Symbols and Social practices, 3) Public, Transnational, and Transitional Memories 4) Technologies of Memory, 5) Terror, Violence and Disasters, 6) and Body and Ecosystems. A strong emphasis is placed on the interdisciplinary breadth of Memory Studies with contributions from leading international scholars in sociology, anthropology, philosophy, biology, film studies, media studies, archive studies, literature and history. The Handbook addresses the core concerns and foundations of the field while indicating new directions in Memory Studies.*

Human Security and Japan's Triple Disaster

Responding to the 2011 earthquake, tsunami and Fukushima nuclear crisis

Routledge *Japan has been one of the most important international sponsors of human security, yet the concept has hitherto not been considered relevant to the Japanese domestic context. This book applies the human security approach to the specific case of the earthquake, tsunami and nuclear accident that struck Japan on 11 March 2011, which has come to be known as Japan's 'triple disaster'. This left more than 15,000 people dead and was the most expensive natural disaster in recorded history. The book identifies the many different forms of human insecurity that were produced or exacerbated within Japan by the triple disaster. Each chapter adds to the contemporary literature by identifying the vulnerability of Japanese social groups and communities, and examining how they collectively seek to prevent, respond to and recover from disaster. Emphasis is given to analysis of the more encouraging signs of human empowerment that have occurred. Contributors draw on a wide range of perspectives, from disciplines such as: disaster studies, environmental studies, gender studies, international relations, Japanese studies, philosophy and sociology. In considering this Japanese case study in detail, the book demonstrates to researchers, postgraduate students, policy makers and practitioners how the concept of human security can be practically applied at a policy level to the domestic affairs of developed countries, countering the tendency to regard human security as exclusively for developing states.*

Gender and Climate Change Impacts, Science, Policy

Routledge *Does gender matter in global climate change? This timely and provocative book takes readers on a guided tour of basic climate science, then holds up a gender lens to find out what has been overlooked in popular discussion, research, and policy debates. We see that, around the world, more women than men die in climate-related natural disasters; the history of science and war are intimately interwoven masculine occupations and preoccupations; and conservative men and their interests drive the climate change denial machine. We also see that climate policymakers who embrace big science approaches and solutions to climate change are predominantly male with an ideology of perpetual economic growth, and an agenda that marginalizes the interests of women and developing economies. The book uses vivid case studies to highlight the sometimes surprising differential, gendered impacts of climate changes.*

100 questions and answers for job interview Offshore Drilling Platforms

Petrogav International *This book offers you a brief, but very involved look into the operations in the drilling of an oil & gas wells that will help you to be prepared for job interview at oil & gas companies. From start to finish, you'll see a general prognosis of the drilling process. If you are new to the oil & gas industry, you'll enjoy having a leg up with the knowledge of these processes. If you are a seasoned oil & gas person, you'll enjoy reading what you may or may not know in these pages. This course provides a non-technical overview of the phases, operations and terminology used on offshore drilling platforms. It is intended also for non-drilling personnel who work in the offshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of drilling operations, with a particular focus on the unique aspects of offshore operations.*

Job interview questions and answers for employment on Offshore Oil & Gas Rigs

Petrogav International *The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 289 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.*

OECD Economic Surveys: United States 2014

OECD Publishing *OECD's 2014 Economic Survey of the United States examines recent economic developments, policies and prospects. Special chapters cover improving well-being and making the best of new energy resources.*

Questions and answers for job interview Offshore Drillings Rigs

Petrogav International *The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 270 questions and answers for job interview and as a BONUS 287 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.*

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Offshore Oil & Gas Platforms JOB INTERVIEW

Petrogav International *The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 279 questions and answers for job interview and as a BONUS web addresses to 273 video movies for a better understanding of the technological process. This course*

covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Research Handbook on Climate Governance

Edward Elgar Publishing *The 2009 United Nations climate conference in Copenhagen is often represented as a watershed in global climate politics, when the diplomatic efforts to negotiate a successor agreement to the Kyoto Protocol failed and was replaced by a fragmented and decentralized climate governance order. In the post-Copenhagen landscape the top-down universal approach to climate governance has gradually given way to a more complex, hybrid and dispersed political landscape involving multiple actors, arenas and sites. The Handbook contains contributions from more than 50 internationally leading scholars and explores the latest trends and theoretical developments of the climate governance scholarship.*

This Changes Everything Capitalism Vs. The Climate

Simon and Schuster *Explains why the environmental crisis should lead to an abandonment of "free market" ideologies and current political systems, arguing that a massive reduction of greenhouse emissions may offer a best chance for correcting problems.*

Structural Optimization and Experimental Investigation of the Organic Rankine Cycle for Solar Thermal Power Generation

Springer *Compared to the conventional Rankine cycle using water, the ORC can create efficient expansion at low power, avoid superheater and offer higher thermal efficiency in low temperature application. Small-scale ORCs from several kWe to a few hundred kWe offer great potential for meeting the residential demand on heat and power, and are of growing interest in scientific and technical fields. However, one critical problem is the decreased device efficiency and cost-effectiveness that arises when the ORC is scaled down. In this thesis, the ORC is combined with low concentration-ratio solar collectors. The background, research trend, merits and importance of the solar ORC are described. To reduce the thermodynamic*

irreversibility and the cost of the system, three innovative solutions are proposed: solar ORC without heat transfer fluid (HTF), which employs two-stage collectors and heat storage units; hybrid solar power generation based on ORC and amorphous silicon cells; osmosis-driven solar ORC. Heat collection, storage and power conversion are optimized. The design, construction and test of a prototype are conducted, demonstrating the feasibility of the ORC for small-scale cogeneration. Special attention is paid to the variable operation and parameter design with respect to the condensation temperature.

Sensing Sound

Singing and Listening as Vibrational Practice

Duke University Press *In Sensing Sound* Nina Sun Eidsheim offers a vibrational theory of music that radically re-envision how we think about sound, music, and listening. Eidsheim shows how sound, music, and listening are dynamic and contextually dependent, rather than being fixed, knowable, and constant. She uses twenty-first-century operas by Juliana Snapper, Meredith Monk, Christopher Cerrone, and Alba Triana as case studies to challenge common assumptions about sound—such as air being the default medium through which it travels—and to demonstrate the importance a performance's location and reception play in its contingency. By theorizing the voice as an object of knowledge and rejecting the notion of an a priori definition of sound, Eidsheim releases the voice from a constraining set of fixed concepts and meanings. In Eidsheim's theory, music consists of aural, tactile, spatial, physical, material, and vibrational sensations. This expanded definition of music as manifested through material and personal relations suggests that we are all connected to each other in and through sound. *Sensing Sound* will appeal to readers interested in sound studies, new musicology, contemporary opera, and performance studies.

Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles

National Academies Press *The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas*

emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

Security Beyond the State

The EU in an Age of Transformation

Verlag Barbara Budrich *Which is the role of the European Union in dealing with crises that go beyond the nation states borders – terrorism, proliferation of weapons of mass destruction, regional conflicts, state failure, organised crime, natural and man-made disasters? The authors assess the main challenge for the EU: the need to operate in a multidimensional setting where with a wide range of actors, such as member states, national and international NGOs, international organisations (NATO and the UN in primis), as well as a wide range of activities, rules and norms are generated for these diversified crises.*

Accelerating Climate Action

Refocusing Policies through a Well-being Lens

Refocusing Policies through a Well-being Lens

OECD Publishing *This report builds on the OECD Well-being Framework and applies a new perspective that analyses synergies and trade-offs between climate change mitigation and broader goals such as health, education, jobs, as well as wider environmental quality and the resources needed to sustain our livelihoods through time. This report takes an explicitly political economy approach to the low-emissions transitions needed across five economic sectors (electricity, heavy industry, residential, surface transport, and agriculture) that are responsible for more than 60% of global greenhouse gas emissions.*

Technology-enhanced Learning in the Early Years Foundation Stage

Critical Publishing *Discussing learning technologies in relation to young children often provokes a wide range of passionate responses, from sceptics to enthusiasts. This text explores the issues in a holistic, pedagogical and research-informed way. It helps professionals unpick the complex issues involved, understand the scope of available technology, examine the interplay between learning and specific technologies, and more broadly create a vision for a technology-enabled learning environment that is child-centred, playful, creative and interactive. Recurring case studies are analysed from a number of theoretical perspectives, and the approach deliberately goes beyond the scope of 'understanding of the world' to consider the contribution of technology-enhanced learning to a range of different contexts and subject areas. Throughout there are clear links to professional standards, the Early Years Foundation Stage and the characteristics of effective learning.*

Liquid Natural Gas in the United States

A History

McFarland *When natural gas was first discovered in Appalachia in the 19th century, its development as a fuel was rapid. Unlike oil and coal, gas could be moved only by pipeline and required large containers for storage. It was not possible to cope with peak loads without adding excessive pipeline capacity until just before World War II, when two sister gas companies developed a plant to liquefy and store natural gas as a liquid; the liquid was then regasified to deal with peak loads. The liquid is 1/600 the volume of the gas, but it requires storage at an extremely low temperature, 1-260°F.*

This worked well until 1944, when a liquid natural gas (LNG) tank in Cleveland ruptured and caused a fire with 130 fatalities. The fire did not end the industry but caused it to pause. Over the next few years the problems in materials, design, standards, and siting were solved. The recognition that liquefaction made LNG transportable without a pipeline was the breakthrough. In 1959 a shipload of LNG went from Louisiana to Britain and restarted the LNG industry. It is now a major worldwide energy industry and the topic of this work.

Innovations in Satellite Communications and Satellite Technology

The Industry Implications of DVB-S2X, High Throughput Satellites, Ultra HD, M2M, and IP

John Wiley & Sons *Surveys key advances in commercial satellite communications and what might be the implications and/or opportunities for end-users and service providers in utilizing the latest fast-evolving innovations in this field This book explores the evolving technical options and opportunities of satellite networks. Designed to be a self-contained reference, the book includes background technical material in an introductory chapter that will serve as a primer to satellite communications. The text discusses advances in modulation techniques, such as DBV-S2 extensions (DVS-S2X); spotbeam-based geosynchronous and medium earth orbit High Throughput Satellite (HTS) technologies and Internet applications; enhanced mobility services with aeronautical and maritime applications; Machine to Machine (M2M) satellite applications; emerging ultra HD technologies; and electric propulsion. The author surveys the latest innovations and service strategies and the resulting implications, which involves: Discussing advances in modulation techniques and HTS spotbeam technologies Surveying emerging high speed aeronautical mobility services and maritime and other terrestrial mobility services Assessing M2M (machine-to-machine) applications, emerging Ultra HD video technologies and new space technology Satellite communication is an integral part of the larger fields of commercial, television/media, government, and military communications, because of its multicast/broadcast capabilities, mobility, reliability, and global reach. High Throughput Satellites) are expected to revolutionize the field during this decade, providing very high speed, yet cost-effective, Internet access and connectivity anywhere in the world, in rural areas, in the air, and at sea. M2M connectivity, enabled by satellite communications, connects trucks on transcontinental trips, aircraft in real-time-telemetry aggregation, and mercantile ships. A comprehensive*

analysis of the new advances in satellite communications, Innovations in Satellite Communications Technology is a reference for telecommunications and satellite providers and end-users, technology investors, logistic professionals, and more.

Future Spacecraft Propulsion Systems and Integration

Enabling Technologies for Space Exploration

Springer *The updated and expanded third edition of this book focuses on the multi-disciplinary coupling between flight-vehicle hardware alternatives and enabling propulsion systems. It discusses how to match near-term and far-term aerospace vehicles to missions and provides a comprehensive overview of the subject, directly contributing to the next-generation space infrastructure, from space tourism to space exploration. This holistic treatment defines a mission portfolio addressing near-term to long-term space transportation needs covering sub-orbital, orbital and escape flight profiles. In this context, a vehicle configuration classification is introduced covering alternatives starting from the dawn of space access. A best-practice parametric sizing approach is introduced to correctly design the flight vehicle for the mission. This technique balances required mission with the available vehicle solution space and is an essential capability sought after by technology forecasters and strategic planners alike.*

Barriers and Opportunities for 2-Year and 4-Year STEM Degrees

Systemic Change to Support Students' Diverse Pathways

National Academies Press *Nearly 40 percent of the students entering 2- and 4-year postsecondary institutions indicated their intention to major in science, technology, engineering, and mathematics (STEM) in 2012. But the barriers to students realizing their ambitions are reflected in the fact that about half of those with the intention to earn a STEM bachelor's degree and more than two-thirds intending to earn a STEM associate's degree fail to earn these degrees 4 to 6 years after their initial enrollment. Many of those who do obtain a degree take longer than the advertised length of the programs, thus raising the cost of their education. Are the STEM educational pathways any less efficient than for other fields of study? How*

might the losses be "stemmed" and greater efficiencies realized? These questions and others are at the heart of this study. *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees* reviews research on the roles that people, processes, and institutions play in 2-and 4-year STEM degree production. This study pays special attention to the factors that influence students' decisions to enter, stay in, or leave STEM majors—quality of instruction, grading policies, course sequences, undergraduate learning environments, student supports, co-curricular activities, students' general academic preparedness and competence in science, family background, and governmental and institutional policies that affect STEM educational pathways. Because many students do not take the traditional 4-year path to a STEM undergraduate degree, *Barriers and Opportunities* describes several other common pathways and also reviews what happens to those who do not complete the journey to a degree. This book describes the major changes in student demographics; how students view, value, and utilize programs of higher education; and how institutions can adapt to support successful student outcomes. In doing so, *Barriers and Opportunities* questions whether definitions and characteristics of what constitutes success in STEM should change. As this book explores these issues, it identifies where further research is needed to build a system that works for all students who aspire to STEM degrees. The conclusions of this report lay out the steps that faculty, STEM departments, colleges and universities, professional societies, and others can take to improve STEM education for all students interested in a STEM degree.

Questions and answers for job interview Offshore Drilling Platforms

Petrogav International The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 271 questions and answers for job interview and as a BONUS 290 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Handbook of Water Resources Management: Discourses, Concepts

and Examples

Springer Nature *This book provides an overview of facts, theories and methods from hydrology, geology, geophysics, law, ethics, economics, ecology, engineering, sociology, diplomacy and many other disciplines with relevance for concepts and practice of water resources management. It provides comprehensive, but also critical reading material for all communities involved in the ongoing water discourses and debates. The book refers to case studies in the form of boxes, sections, or as entire chapters. They illustrate success stories, but also lessons to be remembered, to avoid repeating the same mistakes. Based on consolidated state-of-the-art knowledge, it has been conceived and written to attract a multidisciplinary audience. The aim of this handbook is to facilitate understanding between the participants of the international water discourse and multi-level decision making processes. Knowing more about water, but also about concepts, methods and aspirations of different professional, disciplinary communities and stakeholders professionalizes the debate and enhances the decision making.*

Social and Solidarity Economy

Beyond the Fringe

Zed Books Ltd. *As economic crises, growing inequality and climate change prompt a global debate on the meaning and trajectory of development, increasing attention is focusing on 'social and solidarity economy' as a distinctive approach to sustainable and rights-based development. While we are beginning to understand what social and solidarity economy is, what it promises and how it differs from 'business as usual', we know far less about whether it can really move beyond its fringe status in many countries and regions. Under what conditions can social and solidarity economy scale up and scale out - that is, expand in terms of the growth of social and solidarity economy organizations and enterprises, or spread horizontally within given territories? Bringing together leading researchers, blending theoretical and empirical analysis, and drawing on experiences and case studies from multiple countries and regions, this volume addresses these questions. In so doing, it aims to inform a broad constituency of development actors, including scholars, practitioners, activists and policy makers.*

Sea Level Variability and Change

Frontiers Media SA *In June 2015 we held a workshop on the beautiful island of Mallorca, Spain with a focus on sea level variability and change. Over 120 sea level experts from around the world attended this workshop, from a range of different disciplines. The main aims of the workshop were to: 1.) Evaluate the current state-of-knowledge of sea level science; 2.) Identify gaps and unresolved questions in any aspect of sea level science; and 3.) Design future research to address these issue. All*

aspects of sea level changes were covered, from global to regional, observations and modelling, processes driving mean sea level changes and extremes, from the geological scale to the instrumental era and future projections and including impacts on the coastal zones. This E-Book presents papers that came out of that workshop. Overall, these papers illustrate the multi-disciplinary nature of sea level research, cross-cutting many fields of research including: oceanography, meteorology, geology, coastal morphodynamics, engineering and the social-economic aspects. Collectively, these articles represent an interesting range of perspectives and original studies that contribute to understanding the dynamic nature of sea level and its impacts across a wide range of time and space scales. Enjoy reading them!

A Dangerous World?

Threat Perception and U.S. National Security

Cato Institute In 2013, Chairman of the Joint Chiefs of Staff Gen. Martin Dempsey stated that the world is “more dangerous than it has ever been.” Is this accurate? Do we live in a world that is uniquely dangerous? Is it possible that the many threats and dangers promoted by policymakers and the media are exaggerated or overblown? In this timely edited volume, experts on international security assess – and put into context – the supposed dangers to American security. The authors examine the most frequently referenced threats, including wars between nations and civil wars within nations, and discuss the impact of rising nations, weapons proliferation, general unrest, terrorism, transnational crime, and state failures.

Corporate Strategy in the Age of Responsibility

Routledge As the era of ever expanding markets and ample resources ends, governments and business will have to behave differently. The world is facing weak economic growth, limits to affordable resources and increasing concerns about environmental consequences. During the boom times, governments championed de-regulation and business responded by adopting an anything-goes attitude. In these straitened times, strategic analysis has to engage with the challenges that society faces to create resilient corporations fit for the 21st century. In *Corporate Strategy in the Age of Responsibility*, Peter McManners, who has for nine years run strategy workshops on the Henley MBA focusing on the global business environment, sets about providing a strategic framework for navigating the new economic environment. Chief Sustainability Officers (CSOs) now exist, but they struggle to find the strategic rationale for the improvements they champion. The author argues that their good intentions often lack traction, partly because others in management don't get it, but also because they are not ambitious enough. The book is not about

preaching semi-charitable behaviour or how to enhance the reputation of the corporation instead it is about surviving and thriving in a challenging and changing environment. A corporate audience familiar with strategy books will relate to this book, but will find it steers them towards radically new strategic thinking suitable for a turbulent period of transition.

Food Gardens for a Changing World

CABI *Food gardening is becoming increasingly popular, as people look for new ways to live more sustainably and minimize harm to the environment. This book addresses the 21st century trends which bring new challenges to food gardening - anthropogenic climate change, environmental degradation, natural resource scarcity, and social inequity - and explains the basic biological, ecological and social concepts needed to understand and respond to them. Examples throughout the text demonstrate how to successfully use these concepts, while supporting gardeners' values, and their goals for themselves, their communities and the world.*

Accounting for Carbon

Cambridge University Press *An authoritative overview of the requirements and costs of monitoring, reporting and verifying emissions from industry to regional and national levels.*

Advances in Materials Science for Environmental and Energy Technologies III

John Wiley & Sons *This proceedings contains a collection of 26 papers from the following six 2013 Materials Science and Technology (MS&T'13) symposia: Green Technologies for Materials Manufacturing and Processing V Materials Development and Degradation Management in Nuclear Applications Materials Issues in Nuclear Waste Management in the 21st Century Energy Storage III: Materials, Systems and Applications Nanotechnology for Energy, Healthcare and Industry Hybrid Organic - Inorganic Materials for Alternative Energy*

Rivers of the Anthropocene

Univ of California Press *At publication date, a free ebook version of this title will be available through Luminos, University of California Press's Open Access publishing program. Visit www.luminoso.org to learn more. This exciting volume presents the work and research of the Rivers of the Anthropocene Network, an international collaborative group of scientists, social scientists, humanists, artists, policy makers, and community organizers working to produce innovative transdisciplinary research on global freshwater systems. In an attempt to bridge*

disciplinary divides, the essays in this volume address the challenge in studying the intersection of biophysical and human sociocultural systems in the age of the Anthropocene, a new geological epoch of humans' own making. Featuring contributions from authors in a rich diversity of disciplines—from toxicology to archaeology to philosophy—this book is an excellent resource for students and scholars studying both freshwater systems and the Anthropocene.

Climate Change Adaptation and Development

Routledge *Climate change is real and it is man-made. We have put so many greenhouse gas pollutants into the atmosphere that we will see significant and long-term change that we need to adapt and adjust to. It is important for development practitioners to understand these impacts and the challenge of how and when to adapt to climate change. There are plenty of grim presentations of what the extremes of the possible climate scenarios will throw at us over the next 100 years, but not all change will be disastrous; some change will be beneficial, but much of the change will happen at an unprecedented rate that will require the best possible analysis and understanding of how and when we should adapt to climate change. This is important for development practitioners as we invest in ensuring that poverty is reduced and eliminated and the well-being of everyone is improved. Many countries and communities around the world are vulnerable to the impacts of climate change, but developing economies may on one hand be less resilient to the impact, but could on the other hand be in a better position to make their development climate smart by making the most efficient use of their economic resources. The chapters in this book shine a light on the complexity and the multi-dimensional aspects of climate change adaptation. They gather some of the experiences of addressing climate change impacts in a development context. This book was previously published as a special issue of *Development in Practice*.*

Analytic Research Foundations for the Next-Generation Electric Grid

National Academies Press *Electricity is the lifeblood of modern society, and for the vast majority of people that electricity is obtained from large, interconnected power grids. However, the grid that was developed in the 20th century, and the incremental improvements made since then, including its underlying analytic foundations, is no longer adequate to completely meet the needs of the 21st century. The next-generation electric grid must be more flexible and resilient. While fossil fuels will have their place for decades to come, the grid of the future will need to accommodate a wider mix of more intermittent generating sources such as wind and distributed solar photovoltaics. Achieving this grid of the future will require effort on several fronts. There is a need for continued shorter-term engineering research*

and development, building on the existing analytic foundations for the grid. But there is also a need for more fundamental research to expand these analytic foundations. Analytic Research Foundations for the Next-Generation Electric Grid provide guidance on the longer-term critical areas for research in mathematical and computational sciences that is needed for the next-generation grid. It offers recommendations that are designed to help direct future research as the grid evolves and to give the nation's research and development infrastructure the tools it needs to effectively develop, test, and use this research.