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Batos, Bolillos, Pochos, and Pelados Chad Richardson 2017-07-18 A classic account of life on the Texas-Mexico border, Batos, Bolillos, Pochos, and Pelados offers the fullest portrait currently available of the people of the South Texas/Northern Mexico borderlands. First published in 1999, the book is now extensively revised and updated throughout to cover developments since 2000, including undocumented immigration, the drug wars, race relations, growing social inequality, and the socioeconomic gap between Latinos and the rest of American society—issues of

vital and continuing national importance. An outgrowth of the Borderlife Research Project conducted at the University of Texas Rio Grande Valley, Batos, Bolillos, Pochos, and Pelados uses the voices of several hundred Valley residents, collected by embedded student researchers and backed by the findings of sociological surveys, to describe the lives of migrant farmworkers, colonia residents, undocumented domestic servants, maquiladora workers, and Mexican street children. Likewise, it explores social, racial, and ethnic relations in South Texas among groups such as Latinos, Mexican immigrants, wealthy Mexican visitors, Anglo residents or tourists, and Asian and African American residents of South Texas. With this firsthand material and an explanatory focus that utilizes and applies social-science theoretical concepts, the book thoroughly addresses the future composition and integration of Latinos into the society and culture of the United States.
Using Graywater and Stormwater to Enhance Local Water Supplies National Academies of Sciences, Engineering, and Medicine 2016-07-30 Chronic and episodic water shortages are becoming common in many regions of the United States, and population growth in water-scarce regions further compounds the challenges. Increasingly, alternative water sources such as graywater-untreated wastewater that does not include water from the toilet but generally includes water from bathroom sinks, showers, bathtubs, clothes washers, and laundry sinks-and stormwater-water from rainfall or snow that can be measured downstream in a pipe, culvert, or stream shortly after the precipitation event-are being viewed as resources

to supplement scarce water supplies rather than as waste to be discharged as rapidly as possible. Graywater and stormwater can serve a range of non-potable uses, including irrigation, toilet flushing, washing, and cooling, although treatment may be needed. Stormwater may also be used to recharge groundwater, which may ultimately be tapped for potable use. In addition to providing additional sources of local water supply, harvesting stormwater has many potential benefits, including energy savings, pollution prevention, and reducing the impacts of urban development on urban streams. Similarly, the reuse of graywater can enhance water supply reliability and extend the capacity of existing wastewater systems in growing cities. Despite the benefits of using local alternative water sources to address water demands, many questions remain that have limited the broader application of graywater and stormwater capture and use. In particular, limited information is available on the costs, benefits, and risks of these projects, and beyond the simplest applications many state and local public health agencies have not developed regulatory frameworks for full use of these local water resources. To address these issues, Using Graywater and Stormwater to Enhance Local Water Supplies analyzes the risks, costs, and benefits on various uses of graywater and stormwater. This report examines technical, economic, regulatory, and social issues associated with graywater and stormwater capture for a range of uses, including non-potable urban uses, irrigation, and groundwater recharge. Using Graywater and Stormwater to Enhance Local Water Supplies considers the quality and suitability of water for

reuse, treatment and storage technologies, and human health and environmental risks of water reuse. The findings and recommendations of this report will be valuable for water managers, citizens of states under a current drought, and local and state health and environmental agencies.

Data Science on the Google Cloud Platform Valliappa Lakshmanan 2017-12-12 Learn how easy it is to apply sophisticated statistical and machine learning methods to real-world problems when you build on top of the Google Cloud Platform (GCP). This hands-on guide shows developers entering the data science field how to implement an end-to-end data pipeline, using statistical and machine learning methods and tools on GCP. Through the course of the book, you'll work through a sample business decision by employing a variety of data science approaches. Follow along by implementing these statistical and machine learning solutions in your own project on GCP, and discover how this platform provides a transformative and more collaborative way of doing data science. You'll learn how to: Automate and schedule data ingest, using an App Engine application Create and populate a dashboard in Google Data Studio Build a real-time analysis pipeline to carry out streaming analytics Conduct interactive data exploration with Google BigQuery Create a Bayesian model on a Cloud Dataproc cluster Build a logistic regression machine-learning model with Spark Compute time-aggregate features with a Cloud Dataflow pipeline Create a high-performing prediction model with TensorFlow Use your deployed model as a microservice you can access from both batch and real-time pipelines

Journal of Law and

Technology at Texas Volume 1 JOLTT *Implementing IBM Spectrum Scale* Dino Quintero 2015-12-02 This IBM® RedpaperTM publication describes IBM SpectrumTM Scale, which is a scalable, high-performance data and file management solution, built on proven IBM General Parallel File System (GPFSTM) technology. Providing reliability, performance and scalability, IBM Spectrum ScaleTM can be implemented for a range of diverse requirements. This publication can help you install, tailor, and configure the environment, which is created from a combination of physical and logical components: hardware, operating system, storage, network, and applications. Knowledge of these components is key for planning an environment. However, to appreciate potential benefit first requires a simpler understanding of what IBM Spectrum Scale actually provides. This publication illustrates several example deployments and scenarios to demonstrate how IBM Spectrum Scale can be implemented. This paper is for technical professionals (consultants, technical support staff, IT architects, and IT specialists). These professionals are responsible for delivering cost-effective cloud services and big data solutions, helping to uncover insights among client data and be able to take actions to optimize business results, product development, and scientific discoveries. *Improving the EPA Multi-Sector General Permit for Industrial Stormwater Discharges* National Academies of Sciences, Engineering, and Medicine 2019-10-11 Industrial stormwater is derived from precipitation and/or runoff that comes in contact with industrial manufacturing, processing, storage, or

material overburden and then runs offsite and enters drainage systems or receiving waters. In 1987, Congress significantly expanded the National Pollutant Discharge Elimination System (NPDES) program through amendments to the Clean Water Act to include industrial stormwater runoff conveyed through outfalls directly to receiving waters or indirectly through municipal separate storm sewer systems. The added regulation of stormwater in the NPDES program has been challenging. Stormwater is produced throughout a developed landscape, and its production and delivery are episodic. In 2009, the National Research Council released a comprehensive report on the Environmental Protection Agency's Stormwater Program that covered all sectors of the program. This study builds on that report, with a focus on industrial stormwater monitoring and management.

Below the Surface Deborah Rivas-Drake 2019-02-05 A guide to the latest research on how young people can develop positive ethnic-racial identities and strong interracial relations Today's young people are growing up in an increasingly ethnically and racially diverse society. How do we help them navigate this world productively, given some of the seemingly intractable conflicts we constantly hear about? In Below the Surface, Deborah Rivas-Drake and Adriana Umaña-Taylor explore the latest research in ethnic and racial identity and interracial relations among diverse youth in the United States. Drawing from multiple disciplines, including developmental psychology, social psychology, education, and sociology, the authors demonstrate that young people can have a strong ethnic-racial identity and

still view other groups positively, and that in fact, possessing a solid ethnic-racial identity makes it possible to have a more genuine understanding of other groups. During adolescence, teens reexamine, redefine, and consolidate their ethnic-racial identities in the context of family, schools, peers, communities, and the media. The authors explore each of these areas and the ways that ideas of ethnicity and race are implicitly and explicitly taught. They provide convincing evidence that all young people—ethnic majority and minority alike—benefit from engaging in meaningful dialogues about race and ethnicity with caring adults in their lives, which help them build a better perspective about their identity and a foundation for engaging in positive relationships with those who are different from them. Timely and accessible, Below the Surface is an ideal resource for parents, teachers, educators, school administrators, clergy, and all who want to help young people navigate their growth and development successfully.

Advancing U.S. Latino Entrepreneurship Marlene Orozco 2020-04-15 Advancing U.S. Latino Entrepreneurship examines business formation and success among Latinos by identifying arrangements that enhance entrepreneurship and by understanding the sociopolitical contexts that shape entrepreneurial trajectories. While it is well known that Latinos make up one of the largest and fastest growing populations in the U.S., Latino-owned businesses are now outpacing this population growth and the startup business growth of all other demographic groups in the country. The institutional arrangements shaping business formation are no

level playing field. Minority entrepreneurs face racism and sexism, but structural barriers are not the only obstacles that matter; there are agentic barriers and coethnics present challenges as well as support to each other. Yet minorities engage in business formation, and in doing so, change institutional arrangements by transforming the attitudes of society and the practices of policymakers. The economic future of the country is tied to the prospects of Latinos forming and growing business. The diversity of Latino experience constitutes an economic resource for those interested in forming businesses that appeal to native-born citizens and fellow immigrants alike, ranging from local to national to international markets. This book makes a substantial contribution to the literature on entrepreneurship and wealth creation by focusing on Latinos, a population vastly understudied on these topics, by describing processes and outcomes for Latino entrepreneurs. Unfairly, the dominant story of Latinos—especially Mexican Americans—is that of dispossession and its consequences. Advancing U.S. Latino Entrepreneurship makes clear the undiminished ambitions of Latinos as well as the transformative relationships among people, their practices, and the political context in which they operate. The reality of Latino entrepreneurs demands new attention and focus.

Government Cloud Procurement Kevin McGillivray 2021-11-30 An essential, in-depth analysis of the key legal issues that governments face when adopting cloud computing services.

Handbook of Energy Politics Jennifer I. Considine 2018 Starting

with the fundamentals of the global energy industry, Handbook of Energy Politics goes on to cover the evolution of capital and financial markets in the energy industry, the effects of technology, environmental issues and global warming and geopolitics. The book concludes by considering the future, including the lessons learned from history, where we are most likely to be heading and what steps we can take to mitigate potential energy risks. This Handbook will be an invaluable resource for upper level graduates and postgraduate scholars.
The Clean Energy Age BF Nagy 2018-10-08 The Clean Energy Age - A guide to beating climate change is a how-to handbook providing Top 10 Lists of priorities, helping homeowners, business, and government officials to take immediate action against climate change and benefit from new sources of energy. It is based on 15 years of research and hundreds of expert interviews.

Measuring the Evolution Controversy Avelina Espinosa 2016-05-11 The reality of evolution is indisputable and, based on current scientific evidence, all people in the world should accept it as fact. Yet, only 41% of adults worldwide embrace evolution, and they do it under the premise that a deity created humans. One in every three people is a strict creationist who believes in religious scriptures concerning the origin of our universe and of humans, and explicitly rejects that Homo sapiens is an ape when, in fact, science informs us that humans' closest relatives are chimpanzees, bonobos, gorillas and orangutans. Indeed, we are all apes. Why do people not accept evolution? In Measuring the Evolution Controversy, Guillermo Paz-y-Miño-C and Avelina Espinosa postulate

that the debate over evolution-and-science versus creationism is inherent in the incompatibility between scientific rationalism/empiricism and the belief in supernatural causation (religion and faith). Belief disrupts, distorts, delays or stops the comprehension and acceptance of scientific evidence. The authors refer to this proposal as the incompatibility hypothesis (IH), the conceptual foundation of this book. Paz-y-Miño-C and Espinosa explain that the evolution controversy is not only measurable descriptively, but also testable as in an ordinary field of science. To accomplish this, they examine three predictions of IH. First, chronological-conflict-and-accommodation (i.e. the historical re-emergence of antagonism between evolution and religion when advances in science continue to threaten the belief in supernatural causation; in such situations, creationists' rejection of and subsequent partial acceptance of the new scientific discoveries are expected). Second, change in evolution's acceptance as function of educational attainment (i.e. the positive association between acceptance of evolution and level of education). Third, change in evolution's acceptance as function of religiosity (i.e. the negative association between acceptance of evolution and level of religious beliefs). By relying on an ample assessment of the attitudes towards evolution by highly educated audiences (i.e. research faculty, educators of prospective teachers, and college students in the United States) the authors characterise their understanding of science and evolution, personal religious convictions, and political ideology. The authors make recommendations for

improving science and evolution literacy, as well as evolution's acceptance, and conclude by forecasting a probable global socio-cultural landscape in which acceptance of science and evolution will take place.

Information Systems Christine Urquhart 2017-12-21 This new book takes a holistic view of information architecture to offer information professionals a vital critical analysis of library and information service architecture with discussion of methods, tools, techniques, and trends. The editors argue that library assessment literature has primarily dealt with performance measurement and change management strategies, leaving little on the ways of looking at the process architecture of library and information services and on methods for business process analysis. Information Systems: Process and practice aims to fill that gap with a combination of theory and supporting case studies, written by an international line-up of contributors. This book: discusses research and methods that help libraries and information services work from strategic business objectives through to the organisation of processes that support the information services offeredopens a new area of research/investigation on the link between information behaviour research and information systems and architecture, illustrated by case studies and projectsuses introductory sections and chapter commentary from the editors to draw the discussions together. This will be essential reading for researchers in Information Science, specifically in the areas of digital libraries, information architecture and information systems. It will also be useful for practitioners and students in these areas seeking to understand research issues

and challenges and to discover how they have been handled in practice elsewhere.

The Pacific Basin Shane J. Barter 2017-05-12 The Pacific Basin: An Introduction is a new textbook which provides an interdisciplinary and comparative overview of the emerging Pacific world. Interest in the Pacific Basin has increased markedly in recent years, driven largely by the rise of China as a global rival to the United States and Asian development more generally. Growth in eastern Asia, as well as in the western Americas, has led the Pacific Basin to evolve as a dynamic economic zone. To make sense of this transformation, the book: Defines the Pacific Basin, locates it in academic research, and explains its importance. Addressees the historical origins and evolution of the Pacific Basin and its sub-regions. Introduces students to the historical and contemporary relationships, continuities and differences that characterize the region. Incorporates analyses of colonialism and imperialism, migration and settlement, economic development and trade, international relations, war and memory, environmental policy, urbanization, mental and public health, gender, film, and literature. Connects the diverse peoples of this vast area, explores their common challenges and the diverse responses to these challenges, and provides a window into the lived humanity of the Pacific Basin. The Pacific Basin: An Introduction is a key textbook for undergraduate courses on the Pacific Basin, the Pacific Rim, International Studies, Geography, World History, and Globalization.
Science Literacy National Academies of Sciences, Engineering, and Medicine

2016-11-14 Science is a way of knowing about the world. At once a process, a product, and an institution, science enables people to both engage in the construction of new knowledge as well as use information to achieve desired ends. Access to scienceâ€"whether using knowledge or creating itâ€"necessitates some level of familiarity with the enterprise and practice of science: we refer to this as science literacy. Science literacy is desirable not only for individuals, but also for the health and well- being of communities and society. More than just basic knowledge of science facts, contemporary definitions of science literacy have expanded to include understandings of scientific processes and practices, familiarity with how science and scientists work, a capacity to weigh and evaluate the products of science, and an ability to engage in civic decisions about the value of science. Although science literacy has traditionally been seen as the responsibility of individuals, individuals are nested within communities that are nested within societiesâ€"and, as a result, individual science literacy is limited or enhanced by the circumstances of that nesting. Science Literacy studies the role of science literacy in public support of science. This report synthesizes the available research literature on science literacy, makes recommendations on the need to improve the understanding of science and scientific research in the United States, and considers the relationship between scientific literacy and support for and use of science and research.

Routledge Handbook of Water Law and Policy
Alistair Rieu-Clarke 2017-02-24 Water plays a key role in addressing the most pressing global challenges of our time,

including climate change adaptation, food and energy security, environmental sustainability and the promotion of peace and stability. This comprehensive handbook explores the pivotal place of law and policy in efforts to ensure that water enables positive responses to these challenges and provides a basis for sound governance. The book reveals that significant progress has been made in recent decades to strengthen the governance of water resource management at different scales, including helping to address international and sub-national conflicts over transboundary water resources. It demonstrates that 'effective' laws and policies are fundamental drivers for the safe, equitable and sustainable utilization of water. However, it is also shown that what might constitute an effective law or policy related to water resources management is still hotly debated. As such, the handbook provides an important and definitive reference text for all studying water governance and management.

Structural Dynamics of HIV Deanna Kerrigan 2017-09-30 This book examines the structural dynamics of HIV among populations at heightened vulnerability to infection as the result of stigma, discrimination and marginalization. It first examines how the socio-structural context shapes HIV risk and how affected populations and national governments and programs have responded to these structural constraints. Chapters focus on structural determinants of HIV risk among transgender women in Guatemala, migrant workers in Mexico, Nigeria and Vietnam, and people who inject drugs in Tanzania. Next, the book examines resilience and community empowerment

and mobilization among key populations such as female sex workers in the Dominican Republic and India, and young women and girls in Botswana, Malawi and Mozambique. A third set of chapters explores how national responses to HIV have addressed the role of structural factors in diverse political, geographic and epidemic settings including: Brazil, South Africa, Ukraine and the USA. Ultimately, effective and sustainable responses to HIV among marginalized groups must be grounded in an in-depth understanding of the factors that create vulnerability and risk and impede access to services. Throughout, this book brings together a rigorous social science research perspective with a strong rights-based approach to inform improvements in HIV programs and policies. It offers new insights into how to better address HIV and the health and human rights of historically excluded communities and groups. *Financial Capability and Asset Building in Vulnerable Households* Margaret S. Sherraden 2018 Financial Capability and Asset Building in Vulnerable Households is the first book of its kind. It prepares students and practitioners for financial practice. This comprehensive text offers knowledge and skills to enable families to improve their financial circumstances, and to promote policies and services for household economic security and development.
A Research Agenda for Environmental Management Kathleen E. Halvorsen 2019 The understanding of global environmental management problems is best achieved through transdisciplinary research lenses that combine scientific and other sector (industry, government, etc.) tools and perspectives. However, developing effective

research teams that cross such boundaries is difficult. This book demonstrates the importance of transdisciplinarity, describes challenges to such teamwork, and provides solutions for overcoming these challenges. It includes case studies of transdisciplinary teamwork, showing how these solutions have helped groups to develop better understandings of environmental problems and potential responses. **Transportation and Public Health** Sam Elrahman 2019-06-15 Transportation and Public Health: An Integrated Approach to Policy, Planning, and Implementation helps current and future transportation professionals integrate public health considerations into their transportation planning, thus supporting sustainability and promoting societal health and well-being. The book defines key issues, describes potential solutions, and provides detailed examples of how solutions have been implemented worldwide. In addition, it demonstrates how to identify gaps in existing policy frameworks. Addressing a critical and emerging urgent need in transportation and public health research, the book creates a coherent, inclusive and interdisciplinary framework for understanding. By integrating principles from transportation planning and engineering, health management, economics, social and organizational psychology, the book deepens understanding of these multiple perspectives and tensions inherent in integrating public health and transportation planning and policy implementation. Bridges the gap between transport and public health, two fields that have traditionally traveled on separate and parallel tracks

Synthesizes key research and practice literature Includes teaching and learning aids, such as case studies, chapter objectives, summaries and discussion questions

The Precarious Generation Judith Bessant 2017-05-08 This book draws on a wealth of evidence including young people's own stories, to document how they are now faring in increasingly unequal societies like America, Britain, Australia, France and Spain. It points to systematic generational inequality as those born since 1980 become the first generation to have a lower standard of living than previous generations. While governments and experts typically explain this by referring to globalization, new technologies, or young people's deficits, the authors of this book offer a new political economy of generations, which identifies the central role played by governments promoting neoliberal policies that exacerbate existing social inequalities based on age, ethnicity, gender and class. The book is a must read for social science students, human service workers and policy-makers and indeed for anyone interested in understanding the impact of government policy over the last 40 years on young people.

Emerging Issues in Sustainable Development Mitsuo Matsushita 2016-10-05 This book seeks to answer the questions: how do the rules of international treaties on trade and investment apply to the new laws and policies relating to energy-related trade, and do the rules of the multilateral system contribute to or detract from sustainable development? An emerging set of new problems in the law of international trade is how to reconcile the rules of the multilateral trading system with shortages of certain natural resources

and the necessity to develop renewable energy resources. The chapters in this book provide a comprehensive analysis of the international trade issues presented by national trade laws and policies with regard to natural resources and energy. This book is about the extent to which we are interpreting existing rules to cover emerging problems and how the rules of the multilateral trading system can be adapted to achieve sustainable development in natural resources and energy. The book begins with a survey of selected national laws relating to recent restrictions on the export of natural resources, both resources used to produce energy as well as natural resources essential for industrial production. After examining the range of such laws in selected important countries, we turn to the application of the rules of the multilateral trading system to such export restrictions. We discuss the major rules of the World Trade Organization (WTO) as well as the natural resources rules in selected regional preferential free trade agreements. While there is not a comprehensive global legal regime on competition law, we believe it is also important to examine how selected national competition laws impact export restrictions on natural resources. This book will be a major contribution to the international dialogue on international economic law issues with respect to trade in natural resources and energy.
The Transformation of Citizenship, Volume 1 Juergen Mackert 2017-03-16 The Transformation of Citizenship addresses the basic question of how we can make sense of citizenship in the twenty-first century. These volumes make a strong plea for a reorientation of the

sociology of citizenship and address serious threats of an ongoing erosion of citizenship rights. Arguing from different scientific perspectives, rather than offering new conceptions of citizenship as supposedly more adequate models of rights, membership and belonging, they deal with both the ways citizenship is transformed and the ways it operates in the face of fundamentally transformed conditions. This volume Political Economy discusses manifold consequences of a decades-long enforcement of neo-liberalism for the rights of citizens. As neo-liberalism not only means a new form of economic system, it has to be conceived of as an entirely new form of global, regional and national governance that radically transforms economic, political and social relations in society. Its consequences for citizenship as a social institution are no less than dramatic. Against the background of both manifest and ideological processes the book looks at if citizenship has lost the basis it has rested upon for decades, or if the institution itself is in a process of being fundamentally transformed and restructured, thereby changing its meaning and the significance of citizens' rights. This book will appeal to academics working in the field of political theory, political sociology and European studies.

Advanced Introduction to Environmental Compliance and Enforcement Paddock, Lee 2021-09-21 This Advanced Introduction provides a clear and accessible guide to the essential elements of environmental compliance and enforcement programs. It examines compliance programs designed to assist regulated entities in meeting their obligations, as well as enforcement tools designed to address non-compliance - such as administrative, civil judicial,

and criminal enforcement. Offering an insightful overview of this important area, LeRoy C. Paddock highlights recent developments that are changing the way compliance and enforcement work is practiced.

Why Catholics Leave, What They Miss, and How They Might Return Bullivant, Stephen 2019-04-10 The results of a project in the UK that invited Catholics who no longer regularly practice their faith to share their story. Why they left and what could be done to change this are two of the questions explored.

Billionaires and Stealth Politics Benjamin I. Page 2018-12-21 In 2016, when millions of Americans voted for Donald Trump, many believed his claims that personal wealth would free him from wealthy donors and allow him to "drain the swamp." But then Trump appointed several billionaires and multimillionaires to high-level positions and pursued billionaire-friendly policies, such as cutting corporate income taxes. Why the change from his fiery campaign rhetoric and promises to the working class? This should not be surprising, argue Benjamin I. Page, Jason Seawright, and Matthew J. Lacombe: As the gap between the wealthiest and the rest of us has widened, the few who hold one billion dollars or more in net worth have begun to play a more and more active part in politics-- with serious consequences for democracy in the United States. Page, Seawright, and Lacombe argue that while political contributions offer a window onto billionaires' influence, especially on economic policy, they do not present a full picture of policy preferences and political actions. That is because on some of the most important issues, including taxation,

immigration, and Social Security, billionaires have chosen to engage in "stealth politics." They try hard to influence public policy, making large contributions to political parties and policy-focused causes, leading policy-advocacy organizations, holding political fundraisers, and bundling others' contributions--all while rarely talking about public policy to the media. This means that their influence is not only unequal but also largely unaccountable to and unchallengeable by the American people. Stealth politics makes it difficult for ordinary citizens to know what billionaires are doing or mobilize against it. The book closes with remedies citizens can pursue if they wish to make wealthy Americans more politically accountable, such as public financing of political campaigns and easier voting procedures, and notes the broader types of reforms, such as a more progressive income tax system, that would be needed to increase political equality and reinvigorate majoritarian democracy in the United States.

Best Practice Guide on the Control of Arsenic in Drinking Water Prosun Bhattacharya 2017-07-15 Arsenic in drinking water derived from groundwater is arguably the biggest environmental chemical human health risk known at the present time, with well over 100,000,000 people around the world being exposed. Monitoring the hazard, assessing exposure and health risks and implementing effective remediation are therefore key tasks for organisations and individuals with responsibilities related to the supply of safe, clean drinking water. Best Practice Guide on the Control of Arsenic in Drinking Water, covering aspects of hazard distribution, exposure, health impacts,

biomonitoring and remediation, including social and economic issues, is therefore a very timely contribution to disseminating useful knowledge in this area. The volume contains 10 short reviews of key aspects of this issue, supplemented by a further 14 case studies, each of which focusses on a particular area or technological or other practice, and written by leading experts in the field. Detailed selective reference lists provide pointers to more detailed guidance on relevant practice. The volume includes coverage of (i) arsenic hazard in groundwater and exposure routes to humans, including case studies in USA, SE Asia and UK; (ii) health impacts arising from exposure to arsenic in drinking water and biomonitoring approaches; (iii) developments in the nature of regulation of arsenic in drinking water; (iv) sampling and monitoring of arsenic, including novel methodologies; (v) approaches to remediation, particularly in the context of water safety planning, and including case studies from the USA, Italy, Poland and Bangladesh; and (vi) socio-economic aspects of remediation, including non-market valuation methods and local community engagement.

A Review of the Environmental Protection Agency's Science to Achieve Results Research Program National Academies of Sciences, Engineering, and Medicine 2017-08-24 Environmental research has driven landmark improvements that led to the protection of human and ecosystem health. Recognizing the value of knowledge generated by environmental research and the ingenuity within academic and nonprofit institutions, the US Environmental Protection Agency (EPA)

created a program known as Science to Achieve Results, or STAR, in 1995. STAR is EPA's primary competitive extramural grants program. A Review of the Environmental Protection Agency's Science to Achieve Results Research Program assesses the program's scientific merit, public benefits, and overall contributions in the context of other relevant research and recommends ways to enhance those aspects of the program. This report also considers the conclusions and recommendations of a prior National Research Council review of the STAR program (2003), the STAR program's research priorities in light of the nation's environmental challenges, and the effects of recent STAR funding trends on obtaining scientific information needed to protect public health and the environment.
Economics of Offshore Wind Power Rahmatallah Poudineh 2017-11-13 The book provides an overview of the policy frameworks that have been employed to support offshore wind power, and their efficacy in nurturing sustainable cost reductions across the industry.A growing number of countries are increasingly receptive to the prospect of implementing policies to support the deployment of large-scale renewable energy. The promise of carbon-free, utility-scale power generation from offshore wind farms has incentivised and nurtured offshore wind development. However, the high relative costs of deploying offshore wind compared to alternatives have a history of making it political divisive pursuit. At the same time when many countries are just beginning to explore the possibility of developing an offshore wind industry, many other countries are experiencing what can be described as policy fatigue over

supporting offshore wind. If cost reductions are not proven sustainable by the early 2020's, then government support for offshore wind may start to erode and even completely evaporate in several key offshore wind markets – with global repercussions. This book will provide the reader with a clear picture of the current status and future challenges of the offshore wind industry globally, incorporating both a technical analysis of the cost drivers as well as a detailed analysis of policy design and economics of industry.

Water Policy and Governance in Canada

Steven Renzetti 2016-10-31 This book provides an insightful and critical assessment of the state of Canadian water governance and policy. It adopts a multidisciplinary variety of perspectives and considers local, basin, provincial and national scales. Canada's leading authorities from the social sciences, life and natural sciences address pressing water issues in a non-technical language, making them accessible to a wide audience. Even though Canada is seen as a water-rich country, with 7% of the world's reliable flow of freshwater and many of the world's largest rivers, the country nevertheless faces a number of significant water-related challenges, stemming in part from supply-demand imbalances but also a range of water quality issues. Against the backdrop of a water policy landscape that has changed significantly in recent years, this book therefore seeks to examine water-related issues that are not only important for the future of Canadian water management but also provide insights into transboundary management, non-market valuation of water, decentralized governance methods, the growing importance of the role of

First Nations peoples, and other topics in water management that are vital to many jurisdictions globally. The book also presents forward-looking approaches such as resilience theory and geomatics to shed light on emerging water issues. Researchers, students and those directly involved in the management of Canadian waters will find this book a valuable source of insight. In addition, this book will appeal to policy analysts, people concerned about Canadian water resources specifically as well as global water issues.

CompTIA Linux+ Guide to Linux Certification

Jason Eckert 2015-02-02 Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's LINUX+ GUIDE TO LINUX CERTIFICATION, 4E. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewalld. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners

practice new skills using both FedoraTM 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust LINUX+ GUIDE TO LINUX CERTIFICATION, 4E for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Brute Force Dominic Lennard 2019-11-01 Considers how dangerous beasts in horror films illuminate the human-animal relationship. It's always been a wild world, with humans telling stories of killer animals as soon as they could tell stories at all. Movies are an especially popular vehicle for our fascination with fierce creatures. In Brute Force, Dominic Lennard takes a close look at a range of cinematic animal attackers, including killer gorillas, sharks, snakes, bears, wolves, spiders, and even a few dinosaurs. Lennard argues that animal horror is not so much a focused genre as it is an impulse, tapping into age-old fears of becoming prey. At the same time, these films expose conflicts and uncertainties in our current relationship with animals. Movies considered include King Kong, Jaws, The Grey, Them!, Arachnophobia, Jurassic Park, Snakes on a Plane, An American Werewolf in London, and many more. Drawing on insights from film studies, art history, cognitive science, and evolutionary psychology, Brute Force is an engaging critical exploration—and appreciation—of cinema's many bad beasts. Dominic Lennard is Associate Lecturer at the University of Tasmania and the author of Bad Seeds and Holy Terrors: The Child Villains

of Horror Film, also published by SUNY Press. *Surviving Sexism in Academia* Kirsti Cole 2017-06-26 This edited collection contends that if women are to enter into leadership positions at equal levels with their male colleagues, then sexism in all its forms must be acknowledged, attended to, and actively addressed. This interdisciplinary collection—Surviving Sexism in Academia: Strategies for Feminist Leadership—is part storytelling, part autoethnography, part action plan. The chapters document and analyze everyday sexism in the academy and offer up strategies for survival, ultimately 'lifting the veil" from the good old boys/business-as-usual culture that continues to pervade academia in both visible and less-visible forms, forms that can stifle even the most ambitious women in their careers.

The Boundaries of Belonging Bernadette Nadya Jaworsky 2016-12-09 This book addresses an issue currently making political headlines in the United States—immigration. Immigrants have long engendered debates about the boundaries of belonging, with some singing their praises and others warning of their dangers. In particular, the 11 million unauthorized immigrants in the country provoke heated disagreements with issues of legality and morality at the forefront. Increasingly, such debates take place online, by organizations in the immigrant rights and the immigration control movements, who engage in symbolic work that includes blurring, crossing, maintaining, solidifying, and shifting the boundaries of belonging. Based on data collected from 29 national-level groups, this book features a cultural sociological analysis of the

online materials deployed by social movement organizations debating immigration in the United States.

International Investment Treaties and Arbitration Across Asia Julien Chaisse 2018-02-05 International Investment Treaties and Arbitration Across Asia examines whether and how the Asian region has or may become a significant 'rule maker' in contemporary international investment law and dispute resolution, focusing on the 'ASEAN+6' economies.

Bayanihan and Belonging Alison R. Marshall 2018-02-08 Drawing on archival and ethnographic research in Canada and the Philippines from 1880 to 2017, Bayanihan and Belonging aims to understand the role of religion within present-day Filipino Canadian communities.

New Approaches in Management of Smart Manufacturing Systems Lucia Knapcikova 2020-06-30 This book provides a comprehensive and effective exchange of information on current developments in the management of manufacturing systems and Industry 4.0. The book aims to establish channels of communication and disseminate knowledge among professionals working in manufacturing and related institutions. In the book, researchers, academicians and practitioners in relevant fields share their knowledge from the sectors of management of manufacturing systems. The chapters were selected from several conferences in the field, with the topics including management of manufacturing systems with support for Industry 4.0, logistics and intelligent manufacturing systems and applications, cooperation management, and its effective applications. The book also includes case

studies in logistics, RFID applications, and economic impacts in logistics, ICT support for industry 4.0, industrial and smart logistics, intelligent manufacturing systems and applications
Engineering Tools for Environmental Risk Management Katalin Gruiz 2017-01-20 This is the third volume of the five-volume book series "Engineering Tools for Environmental Risk Management". The book series deals with the following topics: • Environmental deterioration and pollution, management of environmental problems • Environmental toxicology – a tool for managing chemical substances and contaminated environment • Assessment and monitoring tools, risk assessment • Risk reduction measures and technologies • Case studies for demonstration of the application of engineering tools The authors aim to describe interactions and options in risk management by providing a broad scientific overview of the environment, its human uses and the associated local, regional and global environmental problems; interpreting the holistic approach used in solving environmental protection issues; striking a balance between nature's needs and engineering capabilities; understanding interactions between regulation, management and engineering; obtaining information about novel technologies and innovative engineering tools. This third volume provides an overview on the basic principles, concepts, practices and tools of environmental monitoring and contaminated site assessment. The volume focuses on those engineering tools that enable integrated site assessment and decision making and ensure an efficient control of the environment. Some topics

supporting sustainable land use and efficient environmental management are listed below: • Efficient management and regulation of contaminated land and the environment; • Early warning and environmental monitoring; • Assessment of contaminated land: the best practices; • Environmental sampling; • Risk characterization and contaminated matrix assessment; • Integrated application of physical, chemical, biological, ecological and (eco) toxicological characterization methods; • Direct toxicity assessment (DTA) and decision making; • Online analyzers, electrodes and biosensors for assessment and monitoring of waters.; • In situ and real-time measurement tools for soil and contaminated sites; • Rapid on-site methods and contaminant and toxicity assessment kits; • Engineering tools from omics technologies, microsensors to heavy machinery; • Dynamic characterization of subsurface soil and groundwater using membrane interface probes, optical and X-ray fl uorescence and ELCAD wastewater characterization; • Geochemical modeling: methods and applications; • Environmental assessment using cyclodextrins. This book series focuses on the state of knowledge about the environment and its conscious and structured application in environmental engineering, management and decision making.

Reconceptualizing International Investment Law from the Global South Fabio Morosini 2017-10-26 This book shows how the reform in investment regulation contributes to a broader attempt to transform the international economic order.
IBM PowerHA SystemMirror for i: Using

DS8000 (Volume 2 of 4)
David Granum 2016-06-02
IBM® PowerHA®
SystemMirror® for i is the
IBM high-availability (HA),
disk-based clustering
solution for the IBM i
operating system. When
PowerHA for i is combined
with IBM i clustering
technology, PowerHA for i
delivers a complete HA and
disaster-recovery (DR)
solution for business
applications that run in an
IBM i environment. With
PowerHA for i, you can
support HA capabilities with
either native disk storage,
IBM DS8000® storage
servers, or IBM Storwize®
storage servers. This IBM
Redbooks® publication
helps you to install, tailor,
and configure IBM
PowerHA SystemMirror for
i with the IBM System
Storage® DS8000 series.
This publication provides
you with planning
information to prepare to
use the various PowerHA
offerings for the IBM
DS8000 family. It also
provides implementation
and management
information. It provides
guidance about
troubleshooting these
solutions and identifies the
documentation and data
that you need to capture
before you call IBM
Support. This book is part of
a four-book volume set that
gives you a complete
understanding of PowerHA
for i that uses native disk
storage, IBM DS8000
storage servers, or IBM
Storwize storage servers.
The following IBM
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volume set: IBM PowerHA
SystemMirror for i:
Preparation, SG24-8400
IBM PowerHA
SystemMirror for i: Using
IBM Storwize, SG24-8402
IBM PowerHA
SystemMirror for i: Using
Geographic Mirroring,
SG24-8401 Important: The
information that is
presented in this volume set
is for technical consultants,
technical support staff, IT

architects, and IT specialists who are responsible for providing HA and support for IBM i solutions. If you are new to HA, review the information that is presented in the first book of this volume set, IBM PowerHA SystemMirror for i: Preparation (Volume 1 of 4), SG24-8400, to get a general understanding of clustering technology, independent auxiliary storage pools (IASPs), and the PowerHA architecture.