

Jpm Global Biotech Outlook 2014

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Cell Line Development Mohamed Al-Rubeai 2009-08-11 Mammalian cell lines command an effective monopoly for the production of therapeutic proteins that require post-translational modifications. This unique advantage outweighs the costs associated with mammalian cell culture, which are far greater in terms of development time and manufacturing when compared to microbial culture. The development of cell lines has undergone several advances over the years, essentially to meet the requirement to cut the time and costs associated with using such a complex hosts as production platforms. This book provides a comprehensive guide to the methodology involved in the development of cell lines and the cell engineering approach that can be employed to enhance productivity, improve cell function, glycosylation and secretion and control apoptosis. It presents an overall picture of the current topics central to expression engineering including such topics as epigenetics and the use of technologies to overcome positional dependent inactivation, the use of promoter and enhancer sequences for expression of various transgenes, site directed engineering of defined chromosomal sites, and examination of the role of eukaryotic nucleus as the controller of expression of genes that are introduced for production of a desired product. It includes a review of selection methods for high producers and an application developed by a major biopharmaceutical industry to expedite the cell line development process. The potential of cell engineering approach to enhance cell lines through the manipulation of single genes that play important roles in key metabolic and regulatory pathways is also explored throughout.

Data-Driven Innovation Big Data for Growth and Well-Being OECD 2015-10-06 This report improves the evidence base on the role of Data Driven Innovation for promoting growth and well-being, and provide policy guidance on how to maximise the benefits

of DDI and mitigate the associated economic and societal risks.

Global Economic Prospects, June 2020 World Bank Group 2020-07-07 The COVID-19 pandemic has, with alarming speed, dealt a heavy blow to an already-weak global economy, which is expected to slide into its deepest recession since the second world war, despite unprecedented policy support. The global recession would be deeper if countries take longer to bring the pandemic under control, if financial stress triggers defaults, or if there are protracted effects on households and firms. Economic disruptions are likely to be more severe and protracted in emerging market and developing economies with larger domestic outbreaks and weaker medical care systems; greater exposure to international spillovers through trade, tourism, and commodity and financial markets; weaker macroeconomic frameworks; and more pervasive informality and poverty. Beyond the current steep economic contraction, the pandemic is likely to leave lasting scars on the global economy by undermining consumer and investor confidence, human capital, and global value chains. Being mostly a reflection of the recent plunge in global energy demand, low oil prices are unlikely to provide much of a boost to global growth in the near term. While policymakers' immediate priorities are to address the health crisis and moderate the short-term economic losses, the likely long-term consequences of the pandemic highlight the need to forcefully undertake comprehensive reform programs to improve the fundamental drivers of economic growth, once the crisis abates. Global Economic Prospects is a World Bank Group Flagship Report that examines global economic developments and prospects, with a special focus on emerging market and developing economies, on a semiannual basis (in January and June). The January edition includes in-depth analyses of topical policy challenges faced by these economies, while the June edition contains shorter analytical pieces.

Strategic Management and Business Policy Thomas L. Wheelen 1998

Making Value for America National Academy of Engineering 2015-02-27 Globalization, developments in technology, and new business models are transforming the way products and services are conceived, designed, made, and distributed in the U.S. and around the world. These forces present challenges - lower wages and fewer jobs for a growing fraction of middle-class workers - as well as opportunities for "makers" and aspiring entrepreneurs to create entirely new types of businesses and jobs. Making Value for America examines these challenges and opportunities and offers recommendations for collaborative actions between government, industry, and education institutions to help ensure that the U.S. thrives amid global economic changes and remains a leading environment for innovation. Filled with real-life examples, Making Value for America presents a roadmap to enhance the nation's capacity to pursue opportunities and adapt to transforming value chains by widespread adoption of best practices, a well-prepared and innovative workforce, local innovation networks to support startups and new products, improved flow of capital investments, and infrastructure upgrades.

Sustainable Process Engineering Andrzej Benedykt Koltuniewicz 2014-06-23 The vital need for alternative resources and reaction routes, environmentally friendly and economically feasible industrial chemical processes has become a ubiquitous reality. This very timely introductory text covers new materials, processes and industry sectors: nanotechnology, microreactors,

membrane separations, hybrid processes, clean technologies, energy savings and safe production of energy, renewables and biotechnology. Some completely new processes for the solid-liquid systems are also discussed in detail, thus creating new opportunities of sustainable development not only in industrial practice.

World Investment Report 2020 United Nations Conference on Trade and Development (UNCTAD) 2020-07-15 The 30th edition of the World Investment Report looks at the prospects for foreign direct investment and international production during and beyond the global crisis triggered by the COVID-19 (coronavirus) pandemic. The Report not only projects the immediate impact of the crisis on investment flows, but also assesses how it could affect a long-term structural transformation of international production. The theme chapter of the Report reviews the evolution of international production networks over the past three decades and examines the configuration of these networks today. It then projects likely course changes for the next decade due to the combined effects of the pandemic and pre-existing megatrends, including the new industrial revolution, the sustainability imperative and the retreat of laissez faire policies. The system of international production underpins the economic growth and development prospects of most countries around the world. Governments worldwide will need to adapt their investment and development strategies to a changing international production landscape. At the request of the UN General Assembly, the Report has added a dedicated section on investment in the Sustainable Development Goals, to review global progress and propose possible courses of action.

Investigation Of Competition In Digital Markets United States Congress 2020-10-06 In June 2019, the Committee on the Judiciary initiated a bipartisan investigation into the state of competition online, spearheaded by the Subcommittee on Antitrust, Commercial and Administrative Law. As part of a top-to-bottom review of the market, the Subcommittee examined the dominance of Amazon, Apple, Facebook, and Google, and their business practices to determine how their power affects our economy and our democracy. Additionally, the Subcommittee performed a review of existing antitrust laws, competition policies, and current enforcement levels to assess whether they are adequate to address market power and anticompetitive conduct in digital markets. Over the course of our investigation, we collected extensive evidence from these companies as well as from third parties totaling nearly 1.3 million documents. We held seven hearings to review the effects of market power online-including on the free and diverse press, innovation, and privacy-and a final hearing to examine potential solutions to concerns identified during the investigation and to inform this Report's recommendations. A year after initiating the investigation, we received testimony from the Chief Executive Officers of the investigated companies: Jeff Bezos, Tim Cook, Mark Zuckerberg, and Sundar Pichai. For nearly six hours, we pressed for answers about their business practices, including about evidence concerning the extent to which they have exploited, entrenched, and expanded their power over digital markets in anticompetitive and abusive ways. Their answers were often evasive and non-responsive, raising fresh questions about whether they believe they are beyond the reach of democratic oversight. Although these four corporations differ in important ways, studying their business practices

has revealed common problems

Global Economic Prospects, June 2021 World Bank 2021-08-03 The world economy is experiencing a very strong but uneven recovery, with many emerging market and developing economies facing obstacles to vaccination. The global outlook remains uncertain, with major risks around the path of the pandemic and the possibility of financial stress amid large debt loads. Policy makers face a difficult balancing act as they seek to nurture the recovery while safeguarding price stability and fiscal sustainability. A comprehensive set of policies will be required to promote a strong recovery that mitigates inequality and enhances environmental sustainability, ultimately putting economies on a path of green, resilient, and inclusive development. Prominent among the necessary policies are efforts to lower trade costs so that trade can once again become a robust engine of growth. This year marks the 30th anniversary of the Global Economic Prospects. The Global Economic Prospects is a World Bank Group Flagship Report that examines global economic developments and prospects, with a special focus on emerging market and developing economies, on a semiannual basis (in January and June). Each edition includes analytical pieces on topical policy challenges faced by these economies.

Sustainable Development Goals Julia Walker 2019-08-27 Achieving the Sustainable Development Goals through Finance, Technology and Law Reform Achieving the SDGs requires a fundamental rethink from businesses and governments across the globe. To make the ambitious goals a reality, trillions of dollars need to be harnessed to mobilise finance and accelerate progress towards the SDGs. Bringing together leaders from the World Bank, the financial and business sectors, the startup community and academia, this important, topically relevant volume explains what the SDGs are, how they came about and how they can be accelerated. Real-world case studies and authoritative insights address how to direct investment of existing financial resources and re-align the global financial system to reflect the SDGs. In depth chapters discuss how financial institutions, such as UBS Wealth Management, Manulife Asset Management and Moody's Rating Agency are supporting the SDGs. The opportunities arising from Blockchain, Big Data, Digital Identity and cutting-edge FinTech and RegTech applications are explored, whilst the relevance of sustainable and transparent global supply chains is underscored. Significant attention is paid to law reform which can accelerate progress of the SDGs through SME Financing, Crowdfunding, Peer-to-Peer Lending and tax restructuring. To achieve the 'World We Want', much needs to be done. The recommendations contained within this book are critical for supporting a fundamental shift in thinking from business and governments around the world, and for building a more just and prosperous future for all.

Preventing Bullying Through Science, Policy, and Practice National Academies of Sciences, Engineering, and Medicine 2016-09-14 Bullying has long been tolerated as a rite of passage among children and adolescents. There is an implication that individuals who are bullied must have "asked for" this type of treatment, or deserved it. Sometimes, even the child who is bullied begins to internalize this idea. For many years, there has been a general acceptance and collective shrug when it comes to a child or adolescent with greater social capital or power pushing around a child perceived as subordinate. But bullying is not

developmentally appropriate; it should not be considered a normal part of the typical social grouping that occurs throughout a child's life. Although bullying behavior endures through generations, the milieu is changing. Historically, bullying has occurred at school, the physical setting in which most of childhood is centered and the primary source for peer group formation. In recent years, however, the physical setting is not the only place bullying is occurring. Technology allows for an entirely new type of digital electronic aggression, cyberbullying, which takes place through chat rooms, instant messaging, social media, and other forms of digital electronic communication. Composition of peer groups, shifting demographics, changing societal norms, and modern technology are contextual factors that must be considered to understand and effectively react to bullying in the United States. Youth are embedded in multiple contexts and each of these contexts interacts with individual characteristics of youth in ways that either exacerbate or attenuate the association between these individual characteristics and bullying perpetration or victimization. Recognizing that bullying behavior is a major public health problem that demands the concerted and coordinated time and attention of parents, educators and school administrators, health care providers, policy makers, families, and others concerned with the care of children, this report evaluates the state of the science on biological and psychosocial consequences of peer victimization and the risk and protective factors that either increase or decrease peer victimization behavior and consequences.

The Digital Transformation of Healthcare Marek Wiklicki 2021-12-31 Health 4.0 is a term that has derived from the Fourth Industrial Revolution (Industry 4.0), as it pertains to the healthcare industry. This book offers a novel, concise, but at the same time, broad picture of the challenges that the technological revolution has created for the healthcare system. It offers a comprehensive view of health sector actors' interaction with the emerging new technology, which is disrupting the status quo in health service delivery. It explains how these technological developments impact both society and healthcare governance. Further, the book addresses issues related to key healthcare system stakeholders: the state, patients, medical professionals, and non-governmental organizations. It also examines areas of healthcare system adaptiveness and draws its conclusions by analysing recent health policy changes in different countries across the Americas, Europe, and Asia. The authors offer an innovative approach to the subject by identifying the critical determinants of successful implementation of the Fourth Industrial Revolution's outcomes in practice, on both a macro- and microlevel. The macrolevel analysis is focused on essential factors of healthcare system adaptiveness for Health 4.0, while the microlevel relates to patients' expectations with a particular emphasis on senior citizens. The book will appeal to academics, researchers, and students, across a wide range of disciplines, such as health economics, health sciences, public policy, public administration, political science, public governance, and sociology. It will also find an audience among healthcare professionals and health and social policymakers due to its recommendations for implementing Industry 4.0 into a healthcare system.

Population Aging and the Generational Economy Ronald Demos Lee 2011-01-01 'While there already exists a crowded body of publications addressing the effect of an aging population on the economy, this monograph is most outstanding in presenting a

global, in-depth analysis of the implications thereby generated for 23 developed and developing countries. . . Scholars, researchers, and practitioners everywhere will benefit immensely from this comprehensive work.' – H.I. Liebling, Choice 'Ron Lee and Andrew Mason's Population Aging and the Generational Economy is a demographic and economic tour-de-force. Their collaborative, intercontinental. . . study of aging, consumption, labor supply, saving, and private and public transfers is the place to go to understand global aging and its myriad and significant economic challenges and opportunities.' – Laurence Kotlikoff, Boston University, US 'The culmination of. . . work by Lee, Mason, and their collaborators from around the world to extend Samuelson's framework to accommodate realistic demography, empirical measurement of age-specific earnings, consumption, tax payments, and benefit receipts, the studies. . . demonstrate the power of this integrated economic-demographic framework to advance our understanding of critical public policy challenges faced by countries at different stages of demographic transition and population aging.' – Robert Willis, University of Michigan, US 'Lee and Mason have done scholars and practitioners a magnificent service by undertaking this comprehensive, compelling, and supremely innovative examination of the economic consequences of changes in population age structure. The book is a bona fide crystal ball. It will be a MUST READ for the next decade!' – David Bloom, Harvard School of Public Health, US 'Population Aging and the Generational Economy provides an encompassing account of what we know about population aging and the impact that this process will have on our economies. It does not confine itself to the advanced industrial countries, where aging has already been largely studied, but adopts a truly global perspective. I am sure it will become a key reference for researchers, students and those involved in policy-making in areas that are affected by population aging.' – Giuliano Bonoli, Swiss Graduate School of Public Administration (IDHEAP), Switzerland Over coming decades, changes in population age structure will have profound implications for the macroeconomy, influencing economic growth, generational equity, human capital, saving and investment, and the sustainability of public and private transfer systems. How the future unfolds will depend on key actors in the generational economy: governments, families, financial institutions, and others. This path-breaking book provides a comprehensive analysis of the macroeconomic effects of changes in population age structure across the globe. The result of a substantial seven-year research project involving over 50 economists and demographers from Africa, Asia, Europe, Latin America, and the United States, the book draws on a new and comprehensive conceptual framework – National Transfer Accounts – to quantify the economic lifecycle and economic flows across generations. It presents comprehensive estimates of both public and private economic flows between generations, and emphasizes the global nature of changes in population age structure that are affecting rich and poor countries alike. This unique and informative book will prove an invaluable reference tool for a wide-ranging audience encompassing students, researchers, and academics in fields such as demography, aging, public finance, economic development, macroeconomics, gerontology, and national income accounting; for policy-makers and advisers focusing on areas of the public sector such as education, health, pensions, other social security programs, tax policy, and public debt; and for policy analysts at international agencies such as the

World Bank, the IMF, and the UN.

Preparing for Future Products of Biotechnology National Academies of Sciences, Engineering, and Medicine 2017-07-28
Between 1973 and 2016, the ways to manipulate DNA to endow new characteristics in an organism (that is, biotechnology) have advanced, enabling the development of products that were not previously possible. What will the likely future products of biotechnology be over the next 5–10 years? What scientific capabilities, tools, and/or expertise may be needed by the regulatory agencies to ensure they make efficient and sound evaluations of the likely future products of biotechnology? Preparing for Future Products of Biotechnology analyzes the future landscape of biotechnology products and seeks to inform forthcoming policy making. This report identifies potential new risks and frameworks for risk assessment and areas in which the risks or lack of risks relating to the products of biotechnology are well understood.

The Fourth Industrial Revolution Klaus Schwab 2017 Between the 18th and 19th centuries, Britain experienced massive leaps in technological, scientific, and economical advancement

Index; 1937 University of Massachusetts at Amherst 2021-09-09 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

The Anthropocene as a Geological Time Unit Jan Zalasiewicz 2019-03-07 Reviews the evidence underpinning the Anthropocene as a geological epoch written by the Anthropocene Working Group investigating it. The book discusses ongoing changes to the Earth system within the context of deep geological time, allowing a comparison between the global transition taking place today with major transitions in Earth history.

Developing Leadership Talent David Berke 2008-04-30 Based on the popular Developing Leadership Talent program offered by the acclaimed Center for Creative Leadership, this important resource offers a nuts-and-bolts framework for putting in place a leadership development system that will attract and retain the best and brightest talent. Step by step, the authors explain how alignment with strategic goals and organizational purpose and effective developmental experiences are the backbone of a successful leadership program. An authoritative and useful book, Developing Leadership Talent is an essential tool for any leadership program.

The Impact Investor Cathy Clark 2014-09-22 Your money can change the world The Impact Investor: Lessons in Leadership and Strategy for Collaborative Capitalism offers precise details on what, exactly, impact investing entails, embodied in the

experiences and best and proven practices of some of the world's most successful impact investors, across asset classes, geographies and areas of impact. The book discusses the parameters of impact investing in unprecedented detail and clarity, providing both context and tools to those eager to engage in the generational shift in the way finance and business is being approached in the new era of Collaborative Capitalism. The book presents a simple thesis with clarity and conviction: "Impact investing can be done successfully. This is what success looks like, and this is what it requires." With much-needed lessons for practitioners, the authors view impact investing as a harbinger of a new, more "multilingual" (cross-sector), transparent, and accountable form of economic leadership. *The Impact Investor: Lessons in Leadership and Strategy for Collaborative Capitalism* serves as a resource for a variety of players in finance and business, including: Investors: It demonstrates not only the types of investments which can be profitable and impactful, but also details best practices that, with roots in impact investing, will increasingly play a role in undergirding the success of all investment strategies. Wealth advisors/financial services professionals: With unprecedented detail on the innovative structures and strategies of impact investing funds, the book provides guidance to financial institutions on how to incorporate these investments in client portfolios. Foundations: The book explores the many catalytic and innovative ways for for-profit and non-profit investors to partner, amplifying the potential social and environmental impacts of philanthropic spending and market-rate endowment investment. Business students: By including strategies for making sound impact investments based on detailed case studies, it provides concrete lessons and explores the skills required to enhance prospects for success as a finance and business professional. Policy makers: Reinforcing the urgency of creating a supportive and enabling environment for impact investing, the book demonstrates ways policy has already shaped the sector, and suggests new ways for policymakers to support it. Corporate leaders: The book includes essential advice on the way business is and must be responding to a new generation of Millennial clients and customers, with unique insights into a form of value creation that is inherently more collaborative and outcomes-driven.

[World Development Indicators 2013](#) World Bank 2013-04-01 World Development Indicators is the premier annual compilation of data on development. This year's edition was redesigned to allow users the convenience of easily linking to the latest data online.

[Asian Development Outlook 2019](#) Asian Development Bank 2019-04-01 The annual Asian Development Outlook, now in its 30th year, analyzes economic performance in the past year and forecasts performance in the next 2 years for the 45 economies in Asia and the Pacific that make up developing Asia. Growth prospects in developing Asia remain strong despite persistent external headwinds responsible for moderating expansion since 2017. Global trade and economic activity weakened toward the end of 2018, slowing growth in many economies in the region. The outlook is cloudy with risks that tilt to the downside. A drawn-out trade conflict could undermine trade and investment in the region, and US fiscal policy and the consequences of a disorderly Brexit could weigh on growth in the advanced economies and the People's Republic of China. Though the risk of sharp increases in US interest rates has subsided, policy makers must stay vigilant. Disasters are shaped by natural hazards and the dynamics of the economy, society, and environment in which they occur. They pose a growing threat to development and prosperity in the

region, their consequences disproportionately severe in developing countries, especially for the poor and marginalized. As developing Asia is home to more than four-fifths of the people affected by disasters globally in the past 2 decades, the region must strengthen its disaster resilience. This means integrating disaster risk reduction into national development and investment plans, spending more on prevention for a better balance with spending on rescue and recovery, and pooling risk through insurance and reinsurance.

El valor de las cosas Mariana Mazzucato 2019-04-11 ¿En qué mundo queremos vivir? Mariana Mazzucato, la economista del momento, prende la mecha de un debate necesario. «Mucho ojo con Mazzucato, la economista más temible del mundo.» Helen Rumbelow, The Times ¿Quién crea realmente la riqueza? ¿Qué actividades la impulsan? ¿Cuáles se limitan a extraerla? ¿Cuáles la destruyen? Nuestras economías tienden a premiar la extracción de valor antes que su creación -el proceso productivo que verdaderamente impulsa una economía y una sociedad saludables-, y la diferencia entre ambos conceptos se ha desdibujado de manera notable. A partir de ejemplos que van desde Silicon Valley hasta el sector financiero pasando por las grandes farmacéuticas, Mariana Mazzucato muestra de manera magistral cómo las nociones borrosas que tenemos del valor han permitido a ciertos actores de la economía retratarse a sí mismos como generadores de valor, mientras que en realidad se limitan a mover el existente o, lo que es peor, a destruirlo. Tendemos a perder de vista la auténtica naturaleza del valor y por qué es importante, cuestiones que en el pasado estuvieron en el centro del pensamiento económico y que, sencillamente, ya no se discuten. Si queremos reemplazar el actual sistema parasitario por otro sostenible que funcione para todos, es urgente y necesario repensar el origen de la riqueza y responder las preguntas clave de Mazzucato, que nos llevan al verdadero gran interrogante: ¿en qué mundo queremos vivir? La crítica ha dicho: «Mazzucato nos obliga a cuestionar creencias arraigadas sobre cómo funcionan las economías y quién se beneficia en realidad. Este libro agrega valor en sí mismo.» Martin Wolf, Financial Times «Uno de los libros de economía más incisivos de los últimos tiempos.» Jeffrey Madrick, The New York Review of Books «Las ideas de Mazzucato son combustible para un debate creciente sobre qué parte de la riqueza del país debería estar a manos del sector privado.» Rana Foroohar, Time «Rápidamente Mazzucato se está situando entre los intelectuales públicos más importantes del mundo. Le ha ofrecido a la izquierda una visión positiva del crecimiento basada en la innovación y la participación en los beneficios.» The Spectator «Un libro oportuno sobre conceptos cruciales que se han esfumado del discurso dominante. Una denuncia de cómo los extractores de valor y los buscadores de renta se han disfrazado de creadores de valor en la economía global.» Fran Boait, Prospect «Alguien debería hacer un musical de este libro. Eso es bastante improbable, lo reconozco, pero no tanto como parece. En 1893, el teatro Savoy organizó la penúltima opereta de Gilbert y Sullivan, Utopia, Limited. Es hora de volver a trabajar en la idea y Mariana Mazzucato es candidata para escribir el libreto.» Philip Collins, The Times «Una reflexión fundamental sobre qué constituye el verdadero valor en la economía.» Stephen Denning, Forbes «Una mirada fresca al significado del valor en economía. Este libro accesible seducirá a cualquier lector curioso.» Booklist Behavioral Finance: The Second Generation Meir Statman 2019-12-02 Behavioral finance presented in this book is the second-

generation of behavioral finance. The first generation, starting in the early 1980s, largely accepted standard finance's notion of people's wants as "rational" wants—restricted to the utilitarian benefits of high returns and low risk. That first generation commonly described people as "irrational"—succumbing to cognitive and emotional errors and misled on their way to their rational wants. The second generation describes people as normal. It begins by acknowledging the full range of people's normal wants and their benefits—utilitarian, expressive, and emotional—distinguishes normal wants from errors, and offers guidance on using shortcuts and avoiding errors on the way to satisfying normal wants. People's normal wants include financial security, nurturing children and families, gaining high social status, and staying true to values. People's normal wants, even more than their cognitive and emotional shortcuts and errors, underlie answers to important questions of finance, including saving and spending, portfolio construction, asset pricing, and market efficiency.

Global China Tarun Chhabra 2021-06-22 The global implications of China's rise as a global actor In 2005, a senior official in the George W. Bush administration expressed the hope that China would emerge as a "responsible stakeholder" on the world stage. A dozen years later, the Trump administration dramatically shifted course, instead calling China a "strategic competitor" whose actions routinely threaten U.S. interests. Both assessments reflected an underlying truth: China is no longer just a "rising" power. It has emerged as a truly global actor, both economically and militarily. Every day its actions affect nearly every region and every major issue, from climate change to trade, from conflict in troubled lands to competition over rules that will govern the uses of emerging technologies. To better address the implications of China's new status, both for American policy and for the broader international order, Brookings scholars conducted research over the past two years, culminating in a project: Global China: Assessing China's Growing Role in the World. The project is intended to furnish policy makers and the public with hard facts and deep insights for understanding China's regional and global ambitions. The initiative draws not only on Brookings's deep bench of China and East Asia experts, but also on the tremendous breadth of the institution's security, strategy, regional studies, technological, and economic development experts. Areas of focus include the evolution of China's domestic institutions; great power relations; the emergence of critical technologies; Asian security; China's influence in key regions beyond Asia; and China's impact on global governance and norms. Global China: Assessing China's Growing Role in the World provides the most current, broad-scope, and fact-based assessment of the implications of China's rise for the United States and the rest of the world.

Financing SMEs and Entrepreneurs 2012 An OECD Scoreboard OECD 2012-05-02 This book establishes a comprehensive international framework for monitoring SMEs' and entrepreneurs' access to finance over time.

Post-Pandemic Recovery Sayyadi and Provitera 2021-06 The Post-Pandemic Recovery is NOW. How will you lead your people, open up your business, and meet customer needs? To meet the unprecedented challenges unique to the Post-Pandemic recovery, you can make a remarkable impact on people's lives. From infants to grandma, your decisions matter! To meet the radically different challenges of the Post-Pandemic Era, the most successful and valuable leaders are those with the traits of

Transformational Leadership and Knowledge Management. Thought leaders, Mostafa Sayyadi and Mike Provitera, profiled scholars and executives across the globe. These executive's goal is to end chronic stress of remote work and their global approach is helping solve the most concurrent problems organizations face today. Page by page, this post-pandemic recovery book reveals a vital awareness of hope, ingenuity, innovation, and creativity. Executives reading this book can make a remarkable impact on some or our most complex problems today. Some highlights are: See how knowledge management can solve unforeseen problems. Gain new perspective from relevant research, data, leadership lessons, and be the leader who is a social architect that transform organizations. Meet the leaders where they are right now and influence social change. Build a diverse and inclusive workforce using knowledge management. These ten chapters, all shared with Dr. Provitera's signature application of theory to practice writing style coupled with the vast research from, co-thought leader, Dr. Sayyadi. The Post-Pandemic Recovery book is written for anyone seeking to be the transformational leader of change. An integral part of rebuilding corporations and institutions worldwide after an exhausting pandemic. Having this book in your library, on your bookshelf, on top of your desk, or in your hand, will transform not only your life but also the people that follow you. Grab-IT NOW!

Water Resources Joseph Holden 2019-11-25 Now in its second edition, *Water Resources: An Integrated Approach* provides students with a comprehensive overview of natural processes associated with water and the modifications of these processes by humans through climate change and land management, water-related health issues, engineering approaches to water and socio-economic processes of huge importance to water resources. The book contains chapters written by 24 specialist contributors, providing expert depth of coverage to topics. The text introduces the basic properties of water and its importance to society and the nature of the different regional imbalances between water resource availability and demand. It guides the reader through the changing water cycle impacted by climate and land management, water flows in river basins, surface water quality, groundwater and aquatic ecosystems, and covers the role of water in human health and associated hazards before turning to engineering solutions to water and wastewater treatment and reuse. The book deals with physical and social management strategies required for water resource planning, the economics of water and treatment of issues associated with conflict over water. The concept of virtual water is covered before the text concludes with a chapter considering the challenges of predicting future water issues in a rapidly changing world and where environmental systems can behave in a non-linear way. The need to work across disciplines to address challenges that are connected at both local and global scales is highlighted. *Water Resources* also includes global examples from both the developing and developed world. There are 58 case study boxes. Each chapter is supplemented with these case studies and with reflective questions, project ideas and further reading, as well as links to a glossary of terms. The book is richly illustrated throughout with over 160 full-colour diagrams and photographs. The text provides a novel interdisciplinary approach to water in a changing world, from an environmental change perspective and interrelated social, political and economic dimensions. It will be an indispensable guide to undergraduates studying *Water Resources* and

Management, Geography of Water, and Water in the Environment.

Future Prospects for Industrial Biotechnology OECD 2011-09-16 This publication examines the international drivers, the enabling technologies that are fast-tracking Industrial Biotechnology, industry trends, some of the products that are appearing on the market, industry structure and finance, and finally policy measures and trends.

OECD Digital Economy Outlook 2017 OECD 2017-10-11 The OECD Digital Economy Outlook examines and documents the evolutions and emerging opportunities and challenges in the digital economy. It highlights how OECD countries and partner economies are taking advantage of ICTs and the Internet to meet their public policy objectives.

ASEAN Centrality and the ASEAN-US Economic Relationship Peter A. Petri 2014-02-21 The Association of Southeast Asian Nations (ASEAN) is strategically significant because of its size, dynamism, and role in the Asian economic and security architectures. This paper examines how ASEAN seeks to strengthen these assets through "centrality" in intraregional and external policy decisions. It recommends a two-speed approach toward centrality in order to maximize regional incomes and benefit all member economies: first, selective engagement by ASEAN members in productive external partnerships and, second, vigorous policies to share gains across the region. This strategy has solid underpinnings in the Kemp-Wan theorem on trade agreements. It would warrant, for example, a Trans-Pacific Partnership (TPP) agreement with incomplete ASEAN membership, complemented with policies to extend gains across the region. The United States could support this framework by pursuing deep relations with some ASEAN members, while broadly assisting the region's development.

Sustainable Energy in the Built Environment - Steps Towards nZEB Ion Visa 2014-09-17 This book addresses the main challenges faced today in implementing the Nearly Zero Energy Buildings (nZEB) concept. The book starts with a chapter that addresses problems related to the energy demand and renewable energy sources available in the built environment, along with the restrictions and opportunities in developing sustainable, efficient and affordable solutions, also gaining aesthetic and architectural acceptance. Advanced solutions to cover the energy needs by using various renewable-based energy mixes are presented in two chapters. These two chapters discuss the problem of conversion efficiency at the level of components and systems, aiming at giving value to the variable renewable energy sources, in producing thermal and electric energy. The concept is discussed further in a chapter on advanced solutions for water re-use and recycling wastes as second raw materials. The need for new strategies and implementation tools, for education and training is addressed in the final chapter as part of the nZEB concept, towards sustainable communities. The sub-chapters of the book were openly presented during the 4th Edition of the Conference for Sustainable Energy, held 6-8 November, 2014 and organized by the R&D Centre Renewable Energy Systems and Recycling at the Transilvania University of Brasov, Romania. This event was developed under the patronage of the International Federation for the Promotion of Mechanism and Machine Science (IFTToMM), through the Technical Committee Sustainable Energy Systems.

OECD Science, Technology and Innovation Outlook 2016 OECD 2016-12-08 The fully revamped and re-titled OECD Science,

Technology and Innovation Outlook is a biennial publication that aims to inform policy makers and analysts on recent and future changes in global science, technology and innovation (STI) patterns and their potential implications.

Countering Biological Threats National Research Council 2009-05-27 In response to a request from the U.S. Congress, this book examines how the unique experience and extensive capabilities of the Department of Defense (DOD) can be extended to reduce the threat of bioterrorism within developing countries outside the former Soviet Union (FSU). During the past 12 years, DOD has invested \$800 million in reducing the risk from bioterrorism with roots in the states of the FSU. The program's accomplishments are many fold. The risk of bioterrorism in other countries is too great for DOD not to be among the leaders in addressing threats beyond the FSU. Taking into account possible sensitivities about a U.S. military presence, DOD should engage interested governments in about ten developing countries outside the FSU in biological threat reduction programs during the next five years. Whenever possible, DOD should partner with other organizations that have well established humanitarian reputations in the countries of interest. For example, the U.S. Agency for International Development, the Centers for Disease Control and Prevention, and the World Health Organization should be considered as potential partners.

Heating, Cooling, Lighting Norbert Lechner 1991-01-16 Using a qualitative rather than a quantitative approach, presents detailed information based on concepts, rules, guidelines, intuition, and experience for architects in the areas of heating, cooling, and lighting at the schematic design stage. The data explored supports a three-tiered approach--load avoidance, using natural energy sources, and mechanical equipment. Among the topics covered are shading, thermal envelope, passive heating and cooling, electric lighting, and HVAC. Case studies illustrate how certain buildings use techniques at all three tiers for heating, cooling, and lighting. An appendix lists some of the more appropriate computer programs available to the architect for analysis at the schematic design stage.

International Macroeconomics in the Wake of the Global Financial Crisis Laurent Ferrara 2018-06-13 This book collects selected articles addressing several currently debated issues in the field of international macroeconomics. They focus on the role of the central banks in the debate on how to come to terms with the long-term decline in productivity growth, insufficient aggregate demand, high economic uncertainty and growing inequalities following the global financial crisis. Central banks are of considerable importance in this debate since understanding the sluggishness of the recovery process as well as its implications for the natural interest rate are key to assessing output gaps and the monetary policy stance. The authors argue that a more dynamic domestic and external aggregate demand helps to raise the inflation rate, easing the constraint deriving from the zero lower bound and allowing monetary policy to depart from its current ultra-accommodative position. Beyond macroeconomic factors, the book also discusses a supportive financial environment as a precondition for the rebound of global economic activity, stressing that understanding capital flows is a prerequisite for economic-policy decisions.

Managing Climate Risk in the U.S. Financial System Leonardo Martinez-Diaz 2020-09-09 This publication serves as a roadmap for exploring and managing climate risk in the U.S. financial system. It is the first major climate publication by a U.S. financial

regulator. The central message is that U.S. financial regulators must recognize that climate change poses serious emerging risks to the U.S. financial system, and they should move urgently and decisively to measure, understand, and address these risks. Achieving this goal calls for strengthening regulators' capabilities, expertise, and data and tools to better monitor, analyze, and quantify climate risks. It calls for working closely with the private sector to ensure that financial institutions and market participants do the same. And it calls for policy and regulatory choices that are flexible, open-ended, and adaptable to new information about climate change and its risks, based on close and iterative dialogue with the private sector. At the same time, the financial community should not simply be reactive—it should provide solutions. Regulators should recognize that the financial system can itself be a catalyst for investments that accelerate economic resilience and the transition to a net-zero emissions economy. Financial innovations, in the form of new financial products, services, and technologies, can help the U.S. economy better manage climate risk and help channel more capital into technologies essential for the transition.

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World Report on Ageing and Health World Health Organization 2015-10-22 The WHO World report on ageing and health is not for the book shelf it is a living breathing testament to all older people who have fought for their voice to be heard at all levels of government across disciplines and sectors. - Mr Bjarne Hastrup President International Federation on Ageing and CEO DaneAge This report outlines a framework for action to foster Healthy Ageing built around the new concept of functional ability. This will require a transformation of health systems away from disease based curative models and towards the provision of older-person-centred and integrated care. It will require the development sometimes from nothing of comprehensive systems of long term care. It will require a coordinated response from many other sectors and multiple levels of government. And it will need to draw on better ways of measuring and monitoring the health and functioning of older populations. These actions are likely to be a sound investment in society's future. A future that gives older people the freedom to live lives that previous generations might never have imagined. The World report on ageing and health responds to these challenges by recommending equally profound changes in the way health policies for ageing populations are formulated and services are provided. As the foundation for its recommendations the report looks at what the latest evidence has to say about the ageing process noting that many common perceptions and assumptions about older people are based on outdated stereotypes. The report's recommendations are anchored in the evidence comprehensive and forward-looking yet eminently practical. Throughout examples of experiences from different countries are used to illustrate how specific problems can be addressed through innovation solutions. Topics explored range from strategies to deliver comprehensive and person-centred services to older populations to policies that enable older people to live in comfort and safety to ways to correct the problems and injustices inherent in current systems for long-term care. Science Business Gary P. Pisano 2006 Why has the biotechnology industry failed to perform up to expectations? This book attempts to answer this question by providing a critique of the industry. It reveals the causes of biotech's problems and offers an analysis on how the industry works. It also provides prescriptions for companies, seeking ways to improve the industry's

performance.

OECD Business and Finance Outlook 2016 OECD 2016-06-09 This edition of the OECD Business and Finance Outlook focuses on fragmentation: the inconsistent structures, policies, rules, laws and industry practices that appear to be blocking business efficiency and productivity growth.

Emerging Risks in the 21st Century 2003