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KEY=R - MOYER COOPER

THE GLOBE ARTICHOKE GENOME

Springer This book presents the latest information on the genetics and genomics of the globe artichoke. It focuses on the latest findings, tools and strategies employed in genome sequencing, physical map development and QTL analyses, as well as genomic resources. The re-sequencing of four globe artichoke genotypes, representative of the core varietal types in cultivation, as well as the genotype of cultivated cardoon, has recently been completed. Here, the five genomes are reconstructed at the chromosome scale and annotated. Moreover, functional SNP analyses highlight numerous genetic variants, which represent key tools for dissecting the path from sequence variation to phenotype, as well as for designing effective diagnostic markers. The wealth of information provided here offers a valuable asset for scientists, plant breeders and students alike.

BUILDING PRIMARY CARE IN A CHANGING EUROPE

For many citizens primary health care is the first point of contact with their health care system, where most of their health needs are satisfied but also acting as the gate to the rest of the system. In that respect primary care plays a crucial role in how patients value health systems as responsive to their needs and expectations. This volume analyses the way how primary care is organized and delivered across European countries, looking at governance, financing and workforce aspects and the breadth of the service profiles. It describes wide national variations in terms of accessibility, continuity and coordination. Relating these differences to health system outcomes the authors suggest some priority areas for reducing the gap between the ideal and current realities.

COLLECTIVE ACTIONS IN EUROPE

A COMPARATIVE, ECONOMIC AND TRANSSYSTEMIC ANALYSIS

Springer Nature This open access book offers an analytical presentation of how Europe has created its own version of collective actions. In the last three decades, Europe has seen a remarkable proliferation of collective action legislation, making class actions the most successful export product of the American legal scholarship. While its spread has been surrounded by distrust and suspiciousness, today more than half of the EU Member States have introduced collective actions for damages and from those who did, more than half chose, to some extent, the opt-out system. This book demonstrates why collective actions have been felt needed from the perspective of access to justice and effectiveness of law, the European debate and the deep layers of the European reaction and resistance, revealing how the Copernican turn of class actions questions the fundamentals of the European thinking about market and public interest. Using a transsystemic presentation of the European national models, it analyzes the way collective actions were accommodated with the European regulatory environment, the novel and peculiar regulatory questions they had to address and how and why they work differently on this side of the Atlantic.

HANDBOOK OF FAMILY POLICIES ACROSS THE GLOBE

Springer Science & Business Media Family policy holds a particular status in the quest for a more equitable world as it intersects the rights of women, children, and workers. But despite local and global efforts and initiatives, the state of family policy in different areas of the world varies widely. Through a cross-section of countries on six continents, Family Policies Across the Globe offers the current state of the laws concerning family life, structure, and services, providing historical, cultural, and socioeconomic context. Lucidly written chapters analyze key aspects of family definition, marriage, child well-being, work/family balance, and family assistance, reviewing underlying social issues and controversies as they exist in each country. Details of challenges to implementation and methods of evaluating policy outcomes bring practical realities into sharp focus, and each chapter concludes with recommendations for improvement at the research, service, and governmental levels. The result is an important comparative look at how governments support families, and how societies perceive themselves as they evolve. Among the issues covered: Sierra Leone: toward sustainable family policies. Russia: folkways versus state-ways. Japan: policy responses to a declining population. Australia: reform, revolutions, and lingering effects. Canada: a patchwork policy. Colombia: a focus on policies for vulnerable families. Researchers, professors and graduate students in the fields of social policy, child and family studies, psychology, sociology, and social work will find in Family Policies Across the Globe a reference that will grow in importance as world events continue to develop.

THE WORLD FACTBOOK 2003

Central Intelligence Agency In general, information available as of 1 January 2003 was used in the preparation of this edition. Provides brief information on the geography, people, government, economy, communications, and defense of countries and regions around the world. Contains information on international organizations. Designed to meet the specific requirements of United States Government Officials in style, format, coverage, and content.

CULTURE AND POLICY-MAKING

PLURALISM, PERFORMATIVITY, AND SEMIOTIC CAPITAL

Springer Nature This book advances the understanding and modelling of sensemaking and cultural processes as being crucial to the scientific study of contemporary complex societies. It outlines a dynamic, processual conception of culture and a general view of the role of cultural dynamics in policy-making, drawing three significant methodological implications: pluralism, performativity, and semiotic capital. It focuses on the theoretical and methodological aspects of the analysis of culture and its dynamics that could be applied to the developing of policymaking and, in general, to the understanding of social phenomena. It draws from the experience and data of a large-scale project, RECRIRE, funded by the H2020 program that mapped the symbolic universes across Europe after the economic crisis. It further develops the relationship between culture and policy-making discussed in two previous volumes in this series, and constitutes the ideal third and final element of this trilogy. The book is a useful tool for academics involved in studying cultural dynamics and for policy-oriented researchers and decision-makers attentive to the cultural dimensions of the design, implementation and reception of public policies.

CATALOG OF THE GERALD K. STONE COLLECTION OF JUDAICA

A BIBLIOGRAPHICAL RESOURCE FOR CANADIAN JEWISH STUDIES

Academic Studies PReSS Gerald K. Stone has collected books about Canadian Jewry since the early 1980s. This volume is a descriptive catalog of his Judaica collection, comprising nearly 6,000 paper or electronic documentary resources in English, French, Yiddish, and Hebrew. Logically organized, indexed, and selectively annotated, the catalog is broad in scope, covering Jewish Canadian history, biography, religion, literature, the Holocaust, antisemitism, Israel and the Middle East, and more. An introduction by Richard Menkis discusses the significance of the Catalog and collecting for the study of the Jewish experience in Canada. An informative bibliographical resource, this book will be of interest to scholars and students of Canadian and North American Jewish studies.

THE GEOLOGY OF CENTRAL EUROPE: MESOZOIC AND CENOZOIC

Geological Society of London Volume 2 provides an overview of the Mesozoic and Cenozoic evolution of Central Europe. This period commenced with the destruction of Pangaea and ended with the formation of the Alps and Carpathians and the subsequent Ice Ages. Separate summary chapters on the Permian to Cretaceous tectonics and the Alpine evolution are also included. The final chapter provides an overview of the fossils fuels, ore and industrial minerals in the region.

COGNITIVE INFOCOMMUNICATIONS, THEORY AND APPLICATIONS

Springer The book gathers the chapters of Cognitive InfoCommunication research relevant to a variety of application areas, including data visualization, emotion expression, brain-computer interfaces or speech technologies. It provides an overview of the kind of cognitive capabilities that are being analyzed and developed. Based on this common ground, it may become possible to see new opportunities for synergy among disciplines that were heretofore viewed as being separate. Cognitive InfoCommunication begins by modeling human cognitive states and aptitudes in order to better understand what the user of a system is capable of comprehending and doing. The patterns of exploration and the specific tools that are described can certainly be of interest and of great relevance for all researchers who focus on modeling human states and aptitudes. This innovative research area provides answers to the latest challenges in influence of cognitive states and aptitudes in order to facilitate learning or generally improve performance in certain cognitive tasks such as decision making. Some capabilities are purely human, while others are purely artificial, but in general this distinction is rarely clear-cut. Therefore, when discussing new human cognitive capabilities, the technological background which makes them possible cannot be neglected, and indeed often plays a central role. This book highlights the synergy between various fields that are perfectly fit under the umbrella of CogInfoCom and contribute to understanding and developing new, human-artificial intelligence hybrid capabilities. These, merged capabilities are currently appearing, and the importance of the role they play in everyday life are unique to the cognitive entity generation that is currently growing up.

INDUSTRY 4.0 IN SMES ACROSS THE GLOBE

DRIVERS, BARRIERS, AND OPPORTUNITIES

CRC Press The field of small and medium-sized enterprises (SMEs) digitalization is becoming more mature and stands to significantly contribute to the full development of the agenda of Industry 4.0. Although national digitalization programs have their own goals, the common focus is on the role of SMEs in global value chains. Since SMEs are known to have challenges around Industry 4.0 implementation, this book integrates experience from 14 countries worldwide. Industry 4.0 in SMEs across the Globe: Drivers, Barriers, and Opportunities provides an in-depth overview of Industry 4.0 in SMEs, covering various national, historical, and geographical settings in nine European countries: Finland, France, Hungary, Italy, Poland, Russia, Lithuania, Serbia, and the UK, complemented by five other countries from around the world: Brazil, China, India, Iran, and the U.S. Each chapter describes the national digitalization program, along with barriers, drivers, and opportunities to implement Industry 4.0 in local SMEs. It subsumes the findings across these countries to identify common themes and clusters of drivers, barriers, and opportunities. The book concludes that there are common approaches of SMEs across the world to adopt Industry 4.0, which are to be understood to increase industrial competitiveness globally. This book is a great resource for digitalization leaders and laggards, business consultants and researchers, as well as Ph.D. and master's students from industrial engineering and manufacturing backgrounds. Policy makers can also use the contents to better understand the commonalities and differences of national digitalization programs and further support SMEs in their digitalization process.

GLOBAL TRENDS 2040

A MORE CONTESTED WORLD

Cosimo Reports "The ongoing COVID-19 pandemic marks the most significant, singular global disruption since World War II, with health, economic, political, and security implications that will ripple for years to come." -Global Trends 2040 (2021) Global Trends 2040-A More Contested World (2021), released by the US National Intelligence Council, is the latest report in its series of reports starting in 1997 about megatrends and the world's future. This report, strongly influenced by the COVID-19 pandemic, paints a bleak picture of the future and describes a contested, fragmented and turbulent world. It specifically discusses the four main trends that will shape tomorrow's world: - Demographics-by 2040, 1.4 billion people will be added mostly in Africa and South Asia. - Economics-increased government debt and concentrated economic power will escalate problems for the poor and middleclass. - Climate-a hotter world will increase water, food, and health insecurity. - Technology-the emergence of new technologies could both solve and cause problems for human life. Students of trends, policymakers, entrepreneurs, academics, journalists and anyone eager for a glimpse into the next decades, will find this report, with colored graphs, essential reading.

HEALTH SYSTEMS IMPROVEMENT ACROSS THE GLOBE

SUCCESS STORIES FROM 60 COUNTRIES

CRC Press Following on from 2015's Healthcare Reform, Quality and Safety: Perspectives, Participants, Partnerships and Prospects in 30 Countries, this book encompasses a global perspective on healthcare while shifting the focus from reform to showcasing success stories of healthcare systems worldwide. It provides explanations of why various facets of healthcare systems work well in different contexts and offers the reader alternative models for consideration. The book features contributions from 60 countries, going much further than the common practice of focusing on affluent Western nations, to provide a comprehensive exploration of the success of healthcare systems globally. The majority of literature on health-sector improvement attempts to address the problems within systems, relating the errors that can and do occur, for example, and offering solutions and preventative strategies. This book of country case studies will approach the enhancement of health systems, patient safety and the quality of care in a new and innovative way, comprehensively surveying and synthesizing the success stories of healthcare systems around the world, utilizing Hollnagel's Safety-II approach to acknowledge the importance of exploring what goes right, what works well, and why it works. These success stories may include reference to macro, meso or micro levels of healthcare systems, various sectors (e.g., aged care, acute care or primary care), or specific programs or projects. Health System Improvement Across the Globe: Success Stories from 60 Countries is unprecedented in terms of both reach and positive emphasis, and as such will be instrumental in changing ways of thinking about and guiding health-sector improvement.

ECONOMIC THOUGHT AND INSTITUTIONAL CHANGE IN FRANCE AND ITALY, 1789-1914

A COMPARATIVE STUDY

Springer This book explores the relationship between economic thought, proposals for reform of political institutions, and civil society in the period between the rise to power of Napoleon and the eve of the First World War in Italy and France – two countries with a similar cultural and political tradition and with personal mobility of the intellectual class. The first section of the book is devoted to the struggle for identity, justice, and liberty, including its economic dimensions. The relation between political and economic freedom and its effect on equity is then addressed in detail, and the third, concluding section focuses on the intellectual and political conflict between the social visions of liberalism and socialism in some of their various forms, again with consideration of the economic implications. The comparative nature of the analysis, combined with its interdisciplinary approach to the history of economic and political thought and social history, will enable the reader to understand more clearly the historical evolution of each country and the relevant contemporary political and economic issues.

NATIONALISMS ACROSS THE GLOBE: EUROPE

CHINESE MIGRATION TO EUROPE

PRATO, ITALY, AND BEYOND

Springer Through an analysis of Chinese migration to Europe, this volume examines the most pressing migration and integration issues facing many societies today, from the political and policy-based challenges of managing increasingly diverse communities, to individual lived experiences of identity and belonging. In addition to chapters on the UK, France and Italy, the book spotlights one of the most extraordinary examples of Chinese migration to Europe: that provided by the city of Prato, just 20km from Florence in Tuscany, Italy. Renowned for its historic textile industry, Prato is now home to one of the largest populations of Chinese residents in Europe, a phenomenon that is remarkable not only for its magnitude but also for the speed with which it has developed. This edited collection, which brings together twenty-seven separate contributors, deepens our understanding of the case of Prato

within the context of Chinese migration to the new Europe.

GLOBAL COMPARATIVE MANAGEMENT

A FUNCTIONAL APPROACH

SAGE Taking an integrative, interdisciplinary approach to the coverage of managerial issues, functions, practices and problems, the text provides a view of international management beyond intercultural issues.

ICGR 2022 5TH INTERNATIONAL CONFERENCE ON GENDER RESEARCH

Academic Conferences and publishing limited

THE PERFORMANCE ECONOMY

Springer This updated and revised edition outlines strategies and models for how to use technology and knowledge to improve performance, create jobs and increase income. It shows what skills will be required to produce, sell and manage performance over time, and how manual jobs can contribute to reduce the consumption of non-renewable resources.

JURISDICTION AND CROSS-BORDER COLLECTIVE REDRESS

A EUROPEAN PRIVATE INTERNATIONAL LAW PERSPECTIVE

Bloomsbury Publishing In recent decades, the rise in cross-border law violations has harmed numerous victims around the globe. The damages are often dispersed and low-level. As a result, the private enforcement gap has deepened and collective redress represents an interesting procedural instrument that is able to provide effective access to justice. This book analyses thoroughly the dominant collective redress models adopted in the EU. Data from 13 Member States has been catalogued and categorised. The research mainly focuses on the consumer law field but frequent references to financial and data protection-related cases are made. The dominant collective redress models are then studied from a private international law perspective. In particular, the book highlights the current mismatch between collective redress on the one hand, and rules on international jurisdiction on the other. Additionally, it notes that barriers to cross-border litigation remain significant for victims and their representatives. The unprecedented empirical study included in this book confirms that statement. Observing that EU measures have not satisfactorily lowered those barriers, the author proposes the creation of a new head of jurisdiction for cases of international collective redress. This book will be of interest to private international law scholars, researchers, students, legal practitioners, judges and policy-makers. It is a reference point for those with an interest in cross-border collective redress in particular, and private international law in general.

EUROPE, CANADA AND THE COMPREHENSIVE ECONOMIC PARTNERSHIP AGREEMENT

Taylor & Francis The Comprehensive Economic and Trade Agreement (CETA) is a challenging project that will kick-start enormous changes in trade policy-making as well as in market openness in Canada. It will mark the EU's efforts to re-make the Atlantic Economy. This book provides deep insights into the ambiguity of the project and addresses the implications of a rapidly changing global economy for trade policy. Offering analysis of the financial industry, banking, trade policy, climate change strategy, and the Euro exchange rate, this book should be of interest to students and policy-makers alike.

THE CHALLENGES OF SELF-EMPLOYMENT IN EUROPE

Edward Elgar Publishing This book aims at explaining the variance in legal status, working conditions, social protection and collective representation of self-employed professionals across Europe. Despite considerable diversity, the authors observe three strategic models of mobilisation: the provision of services; advocacy, lobbying and the political role; and the extension of collective bargaining. They highlight the new urgent challenges that have emerged including the implementation of universal social protection schemes, active labour market policies likely to support sustainable self-employment, and the renewal of social dialogue through bottom-up organisations to extend the collective representation of project-based professionals.

THE CLIMATE BONUS

CO-BENEFITS OF CLIMATE POLICY

Routledge We urgently need to transform to a low carbon society, yet our progress is painfully slow, in part because there is widespread public concern that this will require sacrifice and high costs. But this need not be the case. Many carbon reduction policies provide a range of additional benefits, from reduced air pollution and increased energy security to financial savings and healthier lifestyles, that can offset the costs of climate action. This book maps out the links between low carbon policies and their co-benefits, and shows how low carbon policies can lead to cleaner air and water, conservation of forests, more sustainable agriculture, less waste, safer and more secure energy, cost savings for households and businesses and a stronger and more stable economy. The book discusses the ways in which joined-up policies can help to maximise the synergies and minimise the conflicts between climate policy and other aspects of sustainability. Through rigorous analysis of the facts, the author presents well-reasoned and evidenced recommendations for policy-makers and all those with an interest in making a healthier and happier society. This book shows us how, instead of being paralysed by the threat of climate change, we can use it as a stimulus to escape from our dependence on polluting fossil fuels, and make the transition to a cleaner, safer and more sustainable future.

THE CONGRESSIONAL GLOBE

CONTAINING THE DEBATES AND PROCEEDINGS OF THE ... SESSION OF THE ... CONGRESS ; ALSO OF THE SPECIAL SESSION OF THE SENATE

FORGOTTEN PARTNERSHIP REDUX

Cambria Press

GEOCOMPUTATION WITH R

CRC Press Geocomputation with R is for people who want to analyze, visualize and model geographic data with open source software. It is based on R, a statistical programming language that has powerful data processing, visualization, and geospatial capabilities. The book equips you with the knowledge and skills to tackle a wide range of issues manifested in geographic data, including those with scientific, societal, and environmental implications. This book will interest people from many backgrounds, especially Geographic Information Systems (GIS) users interested in applying their domain-specific knowledge in a powerful open source language for data science, and R users interested in extending their skills to handle spatial data. The book is divided into three parts: (I) Foundations, aimed at getting you up-to-speed with geographic data in R, (II) extensions, which covers advanced techniques, and (III) applications to real-world problems. The chapters cover progressively more advanced topics, with early chapters providing strong foundations on which the later chapters build. Part I describes the nature of spatial datasets in R and methods for manipulating them. It also covers geographic data import/export and transforming coordinate reference systems. Part II represents methods that build on these foundations. It covers advanced map making (including web mapping), "bridges" to GIS, sharing reproducible code, and how to do cross-validation in the presence of spatial autocorrelation. Part III applies the knowledge gained to tackle real-world problems, including representing and modeling transport systems, finding optimal locations for stores or services, and ecological modeling. Exercises at the end of each chapter give you the skills needed to tackle a range of

geospatial problems. Solutions for each chapter and supplementary materials providing extended examples are available at <https://geocompr.github.io/geocompkg/articles/>. Dr. Robin Lovelace is a University Academic Fellow at the University of Leeds, where he has taught R for geographic research over many years, with a focus on transport systems. Dr. Jakub Nowosad is an Assistant Professor in the Department of Geoinformation at the Adam Mickiewicz University in Poznan, where his focus is on the analysis of large datasets to understand environmental processes. Dr. Jannes Muenchow is a Postdoctoral Researcher in the GIScience Department at the University of Jena, where he develops and teaches a range of geographic methods, with a focus on ecological modeling, statistical geocomputing, and predictive mapping. All three are active developers and work on a number of R packages, including `stplanr`, `sabre`, and `RQGIS`.

AN INVITATION TO SOCIAL RESEARCH: HOW IT'S DONE

Cengage Learning With real-world examples and an emphasis on ethics throughout, AN INVITATION TO SOCIAL RESEARCH: HOW IT'S DONE, Fifth Edition combines balanced coverage of quantitative and qualitative methods of social research with a unique “behind the scenes” approach. Built on focal research pieces and excerpts from real research projects, chapters present the insights, perspectives, and challenges of actual researchers in the field. The result is a comprehensive resource that guides readers step by step through the many stages of social research—from selecting a researchable question and designing a study to choosing the best method of data analysis for a particular study—and prepares them for the ethical issues and problems that they may face along the way. Reflecting the latest practices from the field, the Fifth Edition also integrates a greater emphasis on research focusing on evidence-based programs and policy. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

HEALTH TECHNOLOGY ASSESSMENT AND HEALTH POLICY-MAKING IN EUROPE

CURRENT STATUS, CHALLENGES AND POTENTIAL

WHO Regional Office Europe New technologies with the potential to improve the health of populations are continuously being introduced. But not every technological development results in clear health gains. Health technology assessment provides evidence-based information on the coverage and usage of health technologies, enabling them to be evaluated properly and applied to health care efficaciously, promoting the most effective ones while also taking into account organizational, societal and ethical issues. This book reviews the relationship between health technology assessment and policy-making, and examines how to increase the contribution such research makes to policy- and decision-making processes. By communicating the value and potential of health technology assessment to a wider audience, both within and beyond decision-making and health care management, it aims ultimately to contribute to improve the health status of the population through the delivery of optimum health services.

FUNDAMENTALS OF BIostatISTICS

Cengage Learning Bernard Rosner's FUNDAMENTALS OF BIostatISTICS is a practical introduction to the methods, techniques, and computation of statistics with human subjects. It prepares students for their future courses and careers by introducing the statistical methods most often used in medical literature. Rosner minimizes the amount of mathematical formulation (algebra-based) while still giving complete explanations of all the important concepts. As in previous editions, a major strength of this book is that every new concept is developed systematically through completely worked out examples from current medical research problems. Most methods are illustrated with specific instructions as to implementation using software either from SAS, Stata, R, Excel or Minitab. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

THE GEOLOGY OF CENTRAL EUROPE

Geological Society of London Volume 2 provides an overview of the Mesozoic and Cenozoic evolution of Central Europe. This period commenced with the destruction of Pangaea and ended with the formation of the Alps and Carpathians and the subsequent Ice Ages. Separate summary chapters on the Permian to Cretaceous tectonics and the Alpine evolution are also included. The final chapter provides an overview of the fossils fuels, ore and industrial minerals in the region.

CORRUPTION AND ORGANIZED CRIME IN EUROPE

ILLEGAL PARTNERSHIPS

Routledge In Corruption and Organised Crime in Europe, Gounev and Ruggiero present a discussion of the relation between organized criminals and corruption in the EU's 27 Member States. The book draws on research and scholarly work the editors carried out, respectively, within the Center for the Study of Democracy (CSD) in Bulgaria, and within academic institutions, as well as on behalf of the European Commission and the United Nations. Combining empirical data and theoretical debates, the book focuses on three main areas of the relationship between corruption and organised crime: public bodies, the private sector and criminal markets. It presents the findings of a recent research project carried out by the CSD on behalf of the European Commission, providing an analysis of the specific national contexts in which corruption and organized crime thrive. The essays also address institutional responses and policies, focusing particularly on how EU Member States attempt to sever the links between the official economy, the political sphere and organized crime. The second part of the book presents case studies, written by some of the foremost international experts on the subject matter, analysing corrupt exchange and criminal organisations, concentrating on specific European countries - Bulgaria, France, Greece, Italy, Russia, Spain and the UK. As the first comprehensive study of corruption and organised crime in the countries of the European Union, the book will be a valuable resource for students and scholars of criminology, sociology, law and international politics, as well policy makers and law-enforcement agencies.

WHO GUIDELINES FOR INDOOR AIR QUALITY

SELECTED POLLUTANTS

World Health Organization This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards.

WORLD INVESTMENT REPORT 2020

INTERNATIONAL PRODUCTION BEYOND THE PANDEMIC

United Nations 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.

PROCESS ENGINEERING RENEWAL 1

BACKGROUND AND TRAINING

John Wiley & Sons Process engineering emerged at the beginning of the 20th Century and has become an essential scientific discipline for the matter and energy processing industries. Its success is incontrovertible, with the exponential increase in techniques and innovations. Rapid advances in new technologies such as artificial intelligence, as well as current societal needs – sustainable development, climate change, renewable energy, the environment – are developments that must be taken into account in industrial renewal. Process Engineering Renewal 1 – the first volume of three – focuses on training, demonstrating the need for innovation in order for the field to have a framework that is sustainable, in a highly changeable world.

GLOBAL TRENDS 2030

ALTERNATIVE WORLDS

Createspace Independent Publishing Platform This publication covers global megatrends for the next 20 years and how they will affect the United States. This is the fifth installment in the National Intelligence Council's series aimed at providing a framework for thinking about possible futures and their implications. The report is intended to stimulate strategic thinking about the rapid and vast geopolitical changes characterizing the world today and possible global trajectories during the next 15-20 years by identifying critical trends and potential discontinuities. The authors distinguish between megatrends, those factors that will likely occur under any scenario, and game-changers, critical variables whose trajectories are far less certain. NIC 2012-001. Several innovations are included in Global Trends 2030, including: a review of the four previous Global Trends reports, input from academic and other experts around the world, coverage of disruptive technologies, and a chapter on the potential trajectories for the US role in the international system and the possible the impact on future international relations. Table of Contents: Introduction 1 Megatrends 6 Individual Empowerment 8 Poverty Reduction 8 An Expanding Global Middle Class 8 Education and the Gender Gap 10 Role of Communications Technologies 11 Improving Health 11 A MORE CONFLICTED IDEOLOGICAL LANDSCAPE 12 Diffusion of Power 15 THE RISE AND FALL OF COUNTRIES: NOT THE SAME OLD STORY 17 THE LIMITS OF HARD POWER IN THE WORLD OF 2030 18 Demographic Patterns 20 Widespread Aging 20 Shrinking Number of Youthful Countries 22 A New Age of Migration 23 The World as Urban 26 Growing Food, Water, and Energy Nexus 30 Food, Water, and Climate 30 A Brighter Energy Outlook 34 Game-Changers 38 The Crisis-Prone Global Economy 40 The Plight of the West 40 Crunch Time Too for the Emerging Powers 43 A Multipolar Global Economy: Inherently More Fragile? 46 The Governance Gap 48 Governance Starts at Home: Risks and Opportunities 48 INCREASED FOCUS ON EQUALITY AND OPENNESS 53 NEW GOVERNMENTAL FORMS 54 A New Regional Order? 55 Global Multilateral Cooperation 55 The Potential for Increased Conflict 59 INTRASTATE CONFLICT: CONTINUED DECLINE 59 Interstate Conflict: Chances Rising 61 Wider Scope of Regional Instability 70 The Middle East: At a Tipping Point 70 South Asia: Shocks on the Horizon 75 East Asia: Multiple Strategic Futures 76 Europe: Transforming Itself 78 Sub-Saharan Africa: Turning a Corner by 2030? 79 Latin America: More Prosperous but Inherently Fragile 81 The Impact of New Technologies 83 Information Technologies 83 AUTOMATION AND MANUFACTURING TECHNOLOGIES 87 Resource Technologies 90 Health Technologies 95 The Role of the United States 98 Steady US Role 98 Multiple Potential Scenarios for the United States' Global Role 101 Alternative Worlds 107 Stalled Engines 110 FUSION 116 Gini-out-of-the-Bottle 122 Nonstate World 128 Acknowledgements 134 GT2030 Blog References 137 Audience: Appropriate for anyone, from businesses to banks, government agencies to start-ups, the technology sector to the teaching sector, and more. This publication helps anticipate where the world will be: socially, politically, technologically, and culturally over the next few decades. Keywords: Global Trends 2030 Alternative Worlds, global trends 2030, Global Trends series, National Intelligence Council, global trajectories, global megatrends, geopolitics, geopolitical changes

CLASHES OF KNOWLEDGE

ORTHODOXIES AND HETERODOXIES IN SCIENCE AND RELIGION

Springer Science & Business Media Do traditional distinctions between "belief" and "knowledge" still make sense? How are differences between knowledge and belief understood in different cultural contexts? This book explores conflicts between various types of knowledge, especially between orthodox and heterodox knowledge systems, ranging from religious fundamentalism to heresies within the scientific community itself. Beyond addressing many fields in the academy, the book discusses learned individuals interested in the often puzzling spatial and cultural disparities of knowledge and clashes of knowledge.

PROTECTING CHILDREN IN THE DIGITAL ERA

THE USE OF ALTERNATIVE REGULATORY INSTRUMENTS

BRILL Against the background of the European legal framework, this books offers a comprehensive analysis of the use of alternative regulatory instruments, such as self- and co-regulation, to protect minors in the digital media environment.

EXPLORING RELIGION AND DIVERSITY IN CANADA

PEOPLE, PRACTICE AND POSSIBILITY

Springer This book is intended for advanced undergraduate and graduate students interested in learning about the many ways in which religious diversity is manifest in day-to-day life Canada. Each chapter addresses the challenges and opportunities associated with religious diversity in a different realm of social life from families to churches, from education to health care, and from Muslims to atheists. The contributors present key concepts, relevant statistical data and real-life stories from qualitative data. The content of the book is supplemented by links to online learning resources including videos, websites and photo essays.

RECENT ADVANCES IN INTRUSION DETECTION

5TH INTERNATIONAL SYMPOSIUM, RAID 2002, ZURICH, SWITZERLAND, OCTOBER 16-18, 2002, PROCEEDINGS

Springer

STRATEGIC NARRATIVES, PUBLIC OPINION AND WAR

WINNING DOMESTIC SUPPORT FOR THE AFGHAN WAR

Routledge This volume explores the way governments endeavoured to build and maintain public support for the war in Afghanistan, combining new insights on the effects of strategic narratives with an exhaustive series of case studies. In contemporary wars, with public opinion impacting heavily on outcomes, strategic narratives provide a grid for interpreting the why, what and how of the conflict. This book asks how public support for the deployment of military troops to Afghanistan was garnered, sustained or lost in thirteen contributing nations. Public attitudes in the US, Canada, Australia and Europe towards the use of military force were greatly shaped by the cohesiveness and content of the strategic narratives employed by national policy-makers. Assessing the ability of countries to craft a successful strategic narrative, the book addresses the following key areas: 1) how governments employ strategic narratives to gain public support; 2) how strategic narratives develop during the course of the conflict; 3) how these narratives are disseminated, framed and perceived through various media outlets; 4) how domestic audiences respond to strategic narratives; 5) how this interplay is conditioned by both events on the ground, in Afghanistan, and by structural elements of the domestic political systems. This book will be of much interest to students of international intervention, foreign policy, political communication, international security, strategic studies and IR in general.

THE GLOBALIZATION OF NATO

INTERVENTION, SECURITY AND IDENTITY

Routledge This book examines NATO's transition from a Cold War mutual defence organization into a global alliance, and puts the recent crisis over the Afghanistan mission in the context of long-standing debates over out-of-area interventions. Originally, NATO bound the western allies together for the

purposes of mutual defence as defined by Article 5 of the North Atlantic Treaty, which declared that an attack on the territory of one ally was to be considered an attack on them all. However, Article 4 of the Treaty invites the allies to consult with each other on a less formal basis whenever their 'territorial integrity, political independence, or security' was threatened, without the automatic commitment to a shared response. During the Cold War, the allies consulted both formally and informally on issues beyond mutual defence in debates that were, more often than not, extremely contentious. After the Cold War, these out-of-area missions became the primary focus of NATO's military missions. The allies had to debate the scope of co-operation for every mission they considered undertaking collectively. This book argues that NATO's identity has changed from a Cold War mutual defence organization to a global alliance in the course of debates over how to respond to the changing circumstances of its security environment. This book will be of much interest to students of security studies, international organisations, contemporary history and IR in general.