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9891B8 - KHAN DONNA

This fifth volume of PISA 2012 results presents an assessment of student performance in problem solving, which measures students' capacity to respond to non-routine situations in order to achieve their potential as constructive and reflective citizens.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 200 questions and answers for job interview and as a BONUS web addresses to 309 video movies for a better understanding of the technological process. This course

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

In Facing the Planetary William E. Connolly expands his influential work on the politics of pluralization, capitalism, fragility, and secularism to address the complexities of climate change and to complicate notions of the Anthropocene. Focusing on planetary processes—including the ocean conveyor, glacier flows, tectonic plates, and species evolution—he combines a critical understanding of capitalism with an appreciation of how such nonhuman systems periodically change on their own. Drawing upon scientists and intellectuals such as Lynn Margulis, Michael Benton, Alfred North Whitehead, Anna Tsing, Mahatma Gandhi, Wangari Maathai, Pope Francis, Bruno Latour, and Naomi Klein, Connolly focuses on the gap between those regions creating the most cli-

mate change and those suffering most from it. He addresses the creative potential of a "politics of swarming" by which people in different regions and social positions coalesce to reshape dominant priorities. He also explores how those displaying spiritual affinities across differences in creed can energize a militant assemblage that is already underway.

Intercultural Screen Adaptation offers a wide-ranging examination of how film and television adaptations (and non-adaptations) interact with the cultural, social and political environments of their national, transnational and post-national contexts. With screen adaptations examined from across Britain, Europe, South America and Asia, this book tests how examining the processes of adaptation across and within national frameworks challenges traditional debates around the concept of nation in film, media and cultural studies. With case studies of films such as *Under the Skin* (2013) and *T2: Trainspotting* (2017), as well as TV adaptations like *War and Peace* (2016) and *Narcos* (2015 - 2017), *Intercultural Screen Adaptation* offers readers an invigorating look at adaptations from a variety of critical perspectives, incorporating the uses of landscape, nostalgia and translation.

By thinking in terms of the geographies of mobilities, we are better able to understand the central importance of movements, rhythms and shifting emplacements over the life-course. This innovative book represents research from a new and flourishing multidisciplinary field that includes, among other things, studies on smart cities, infrastructures and networks; mobile technologies for automated highways or locative media; mobility justice and rights to stay or enter or reside. These activities, cadences

and changing attachments to place have profound effects—first upon how we conduct or govern ourselves and each other via many social institutions, and second upon how we constitute the spaces in and through which our lives are experienced. This scholarship also has clear connections to numerous aspects of social and spatial policy and planning.

A Feminist Perspective on Virtue Ethics provides a historical survey of feminist virtue ethics, and shows how the ethical theorizing of women in the past can be brought to bear on that of women in the present.

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

CHOICE OUTSTANDING ACADEMIC TITLE 2015 Many of us think of European countries as discreet entities—their own languages, cultures, food, and economies squarely contained within their national boundaries. But in fact Europe is at once a unified place and a sophisticatedly fragmented one, and national boundaries rarely reflect its social and economic realities. *The social atlas of Europe* is the first atlas to map Europe according to these realities, from

the perspective of human geography rather than simply a political one. Using innovative full-color visualization methods, it reconsiders European identity through its many different facets: economy, culture, history, and human and physical geography, visualizing Europe and its people in a more fluid way, in some cases using maps without artificial national boundaries. It utilizes the latest available demographic, social, and economic data through state-of-the-art geographical information systems and new cartography techniques. Through these new visualizations, this highly illustrated book offers fresh perspectives on a range of topics, including social values, culture, education, employment, environmental footprints, health and well-being, and social inequalities and cohesion. It is a bold rethinking of Europe as we know it and will be of interest to anyone who wants to understand the continent in its truest form.

Most people in most countries have been steadily better in human development. Advances in technology and incomes hold ever-greater for longer, healthier, more secure lives.

Learning to Teach Science in the Secondary School is an indispensable guide with a fresh approach to the process, practice and reality of teaching and learning science in a busy secondary school. This fourth edition has been fully updated in the light of changes to professional knowledge and practice and revisions to the national curriculum. Written by experienced practitioners, this popular textbook comprehensively covers the opportunities and challenges of teaching science in the secondary school. It provides guidance on:

- the knowledge and skills you need, and understanding the science department at your school
- develop-

- ment of the science curriculum
- the nature of science and how science works, biology, chemistry, physics and astronomy, earth science
- planning for progression, using schemes of work to support planning, and evaluating lessons
- language in science, practical work, using ICT, science for citizenship, Sex and Health Education and learning outside the classroom
- assessment for learning and external assessment and examinations

Every unit includes a clear chapter introduction, learning objectives, further reading, lists of useful resources and specially designed tasks – including those to support Masters Level work – as well as cross-referencing to essential advice in the core text Learning to Teach in the Secondary School, sixth edition. Learning to Teach Science in the Secondary School is designed to support student teachers through the transition from graduate scientist to practising science teacher, while achieving the highest level of personal and professional development.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 150 questions and answers for job interview and as a BONUS web addresses to 309 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

This book discusses recent brain research and the potentially dangerous dual-use applications of the findings of these research projects. The book is divided into three sections: Part I examines the rise in dual-use concerns within various state's chemical and biological non-proliferation regime's during this century, as well as the rapid technologically driven advances in neuroscience and the associated possible misuse considerations in the same period. Part II reviews the brain research projects in the EU, USA, Japan, China and several other countries with regard to their objectives, achievements and measures to deal with the problem of dual-use. Part III assesses the extent to which the results of this civil neuroscience work, which is intended to be benign, are being, and could be protected against future hostile applications in the development of novel chemical and biological weapons.

Debates on the end-of-life controversy are complex because they seem to hijack national and cultural traditions. Where previous books have focused on ideological grounds, *The Politics of Intimacy* explores dying as the site where policies are negotiated and implemented. Intimacy comprises the emotional experience of the end of life and how we acknowledge it—or not—through institutions. This process shows that end-of-life controversy relies on the conflict between the individual and these institutions, a relationship that is the cornerstone of Western liberal democracies. Through interviews with mourners, stakeholders, and medical professionals, examination of media debates in France and the Czech Republic, Durnová shows that liberal institutions, in their attempts to accommodate the emotional experience at the end of life, ultimately fail. She describes this deadlock as the “politics of

intimacy,” revealing that political institutions deploy power through collective acknowledgment of individual emotions but fail to maintain this recognition because of this same experience.

This book explores and analyzes the rapid pace of technological evolution in diplomatic, information, military, and economic sectors, which has contributed to a dynamic international policy environment. Global political stability is greatly influenced by innovations originating from numerous sources, including university labs, the technology sector, and military research. Collectively, these innovations guide the movement of people, ideas, and technology that in turn affect the international balance of power. The objective of this volume is to develop new insights into how the proliferation of innovative ideas, low-cost weapons, and dual-use technologies impact the changing global security landscape. Innovative and dual-use technologies can be used for beneficial purposes or defensive purposes. Alternatively they may be appropriated or employed for nefarious purposes by hostile military powers and non-state actors alike. Such actions can threaten global security and stability. As the complexity of technological innovations continues to increase, existing control mechanisms such as international regulations and security arrangements may be insufficient to stem the tide of proliferation over time. As such, this work seeks to assess and present policy solutions to curtail the threat to global stability posed by the proliferation of weapons and dual-use technology.

How and why does the stage, and those who perform upon it, play such a significant role in the social makeup of modern Russia, Ukraine and Belarus? In *New Drama in Russian*, Julie Curtis brings together an international team of leading scholars and

practitioners to tackle this complex question. *New Drama*, which draws heavily on techniques of documentary and verbatim writing, is a key means of protest in the Russian-speaking world; since the fall of the Soviet Union in 1991, theatres, dramatists, and critics have collaborated in using the genre as a lens through which to explore a wide range of topics from human rights and state oppression to sexuality and racism. Yet surprisingly little has been written on this important theatrical movement. *New Drama in Russian* rectifies this. Through providing analytical surveys of this outspoken transnational genre alongside case-studies of plays and interviews with playwrights, this volume sheds much-needed light on the key issues of performance, politics, and protest in Russia, Ukraine and Belarus. Meticulously researched and elegantly argued, this book will be of immense value to scholars of Russian cultural history and post-Soviet literary studies.

Schools and Food Education in the 21st Century examines how schools enact food policy, and through doing so, craft diverse foodscapes that create very different food experiences in schools. The school food policy discourse is made up of an amalgamation of discourses on obesity prevention, nutrition education, welfare and foodiness. Whilst schools endeavor to enact policy in a variety of ways, this book shows how foodiness is taken up, and can only be taken up differently, in different schools. The book's unique contribution is to identify the discourse of foodiness and to show how this discourse, whilst seemingly universal, is actually situated in middle-class ideas and is therefore more easily taken up by certain schools. The book argues that the classed nature of foodiness leads to certain food knowledges becoming marginalized or lost and this then positions some schools

in tension with their local communities, resulting in widely variant food experiences for children. Earl demonstrates how foodiness is taken up in schools by first exploring how the foodscape at school is shaped by policy and media sources. The book then examines how foodiness is taken up by schools with different SES profiles by showing how food moves through the school day. Asking critical questions on class and poverty that are often overlooked, this book will be of interest to researchers, academics and students working on food issues related to teaching, food, policy and schools in the fields of education, sociology and food studies. It should also be of interest to policymakers, parents and teachers.

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The updated and expanded third edition of this book focuses on the multi-disciplinary coupling between flight-vehicle hardware alternatives and enabling propulsion systems. It discusses how to

match near-term and far-term aerospace vehicles to missions and provides a comprehensive overview of the subject, directly contributing to the next-generation space infrastructure, from space tourism to space exploration. This holistic treatment defines a mission portfolio addressing near-term to long-term space transportation needs covering sub-orbital, orbital and escape flight profiles. In this context, a vehicle configuration classification is introduced covering alternatives starting from the dawn of space access. A best-practice parametric sizing approach is introduced to correctly design the flight vehicle for the mission. This technique balances required mission with the available vehicle solution space and is an essential capability sought after by technology forecasters and strategic planners alike.

The essential guide to making sure you have a fabulous later life. You're likely to live longer than you think. Today's fifty-year olds could have an astounding 36 or more years of life. What's your dream life for your later years? *When We're 64* is a friendly, practical guide to preparing for what could be the best years of your life - from the essentials on work and how to fund retirement, to volunteering, where to live and what kind of housing you'll need. It covers how to stay healthy - and still live a full life if you get a health condition - and reveals how your attitude to ageing could actually increase your lifespan. There are sections on relationships with family and friends, as well as caring for older relatives and how to tackle loneliness. Packed with expert advice and new evidence and tips on how to age well, this route map will help you plan and prepare for the future.

This book examines why, when the conflict in eastern Ukraine began in 2014, fighting broke out in the Donetsk region, whereas it

did not in Kharkiv city, despite the city, like the Donetsk region, being geographically proximate to Russia and similar in ethnic and linguistic make up. Based on extensive original research, the book argues that a key factor was the nature and behaviour of local elites, with those in Kharkiv having diffuse ties to the centre and therefore being more capable of adapting to sudden, profound regime change at the centre, whereas the elites in the Donetsk region had much more concentrated ties to the centre, were dependent on one network, and therefore were much less able to cope with change. The book thereby demonstrates how crucial for Ukraine are patronal politics, patronage networks, and informal centre-region relations, and that it was these local political circumstances, rather than Russia, which brought about the conflict.

Providing an up-to-date portrait of the concepts and methods of analytical sociology, this pivotal Research Handbook traces the historical evolution of the field, utilising key research examples to illustrate its core principles. It investigates how analytical sociology engages with other approaches such as analytical philosophy, structural individualism, social stratification research, complexity science, pragmatism, and critical realism, exploring the foundations of the topic as well as its major explanatory mechanisms and methods.

Mycotoxins are secondary metabolites produced by molds. Although the primary role of these toxins is thought to be related to the colonisation of the environment by the fungi--mycotoxins are able to kill other micro-organisms (antimicrobial effect) and/or plant cells (mycotoxin-producing fungi being necrophagic)--the ex-

posure of animals and humans to mycotoxins through the consumption of mycotoxin-contaminated food and feeds leads to diseases and death. Among the different mycotoxins described (more than 350 mycotoxins have been identified), deoxynivalenol (DON or vomitoxin) produced by *Fusarium* species has attracted the most attention due to its prevalence and toxicity. DON is part of a family of mycotoxins called trichothecenes that are small sesquiterpenoids with an epoxide group at positions 12-13 allowing their binding to ribosomes causing the so-called ribosome stress response, characterized by the activation of various protein kinases that lead to alterations in gene expression and cellular toxicity in animals, humans and plants. Here, we compiled very recent findings regarding DON and its derivatives: i) their prevalence in human food; ii) the estimation of the exposure of humans to them using biological markers; iii) their roles during plant-fungi interaction; iv) the alteration caused by them in animals and humans, particularly at low doses that are close to those observed in farm animals and human consumers; v) possible strategies to decrease their presence in food and feeds. Overall, this book will give the reader a clear and global view on this important mycotoxin produced by *Fusarium* species which is responsible for huge economic loss and health issues. Dr. Marc Maresca Guest Editor

A timely intervention as higher education in India begins to pay equal importance to Quality, alongside Access and Equity. Indian higher education is the third largest in the world. It is undergoing unprecedented expansion and reforms. Yet, no Indian university figures among the World's Top 100! The problem lies primarily with the quality of higher education. This book serves as a quality

management guide for the heads of colleges and universities, focusing on issues, techniques and improvement at the institutional level. In building up a sound framework, it effectively combines generic methods and techniques with specific mechanisms of quality assurance for in-campus activities such as curriculum planning, teaching learning processes, human resource management, infrastructure management and information and communication technologies. The author's expertise as a management scientist, trainer of heads of higher education institutes and experience of institution building gives the book an extra edge.

A novel, integrative approach to cities as complex adaptive systems, applicable to issues ranging from innovation to economic prosperity to settlement patterns. Human beings around the world increasingly live in urban environments. In *Introduction to Urban Science*, Luis Bettencourt takes a novel, integrative approach to understanding cities as complex adaptive systems, claiming that they require us to frame the field of urban science in a way that goes beyond existing theory in such traditional disciplines as sociology, geography, and economics. He explores the processes facilitated by and, in many cases, unleashed for the first time by urban life through the lenses of social heterogeneity, complex networks, scaling, circular causality, and information. Though the idea that cities are complex adaptive systems has become mainstream, until now those who study cities have lacked a comprehensive theoretical framework for understanding cities and urbanization, for generating useful and falsifiable predictions, and for constructing a solid body of empirical evidence so that the discipline of urban science can continue to develop. Bettencourt applies his framework to such issues as innovation and de-

velopment across scales, human reasoning and strategic decision-making, patterns of settlement and mobility and their influence on socioeconomic life and resource use, inequality and inequity, biodiversity, and the challenges of sustainable development in both high- and low-income nations. It is crucial, says Betencourt, to realize that cities are not "zero-sum games" and that knowledge, human cooperation, and collective action can build a better future.

This is the first human geography social atlas of Europe to consider the European economy, culture, history and human and physical geography as a single land mass and a more unified European people. It provides an accessible overview of Europe and a human geography contribution to debates about a wide range of topics.

The 2017 Near East and North Africa (NENA) edition of the Regional Overview of Food Security and Nutrition comes under the theme of "building resilience for food security and nutrition in times of conflict and crisis". The report establishes a baseline against which to measure future progress towards achieving SDG 2 on ending hunger, food insecurity and malnutrition in NENA by monitoring the latest indicators for the SDG targets on hunger and food insecurity (SDG Target 2.1) and malnutrition (SDG Target 2.2). Beyond numbers, the report focuses on the fundamental factors that have driven improvements in food security and malnutrition: poverty reduction, economic growth, improvements in maternal and childhood nutrition and public health, increases in the quantity and quality of the food supply and cessation of violence. Moreover, the report brings into sharp focus the issue of

conflict, which is the major driver of food insecurity in the NENA region. Food security in the NENA region is fast deteriorating, driven by conflict and leading to a widening gap in well-being between conflict and non-conflict countries. Conflicts have long-lasting impacts on the food security and nutrition of both affected and surrounding countries in the region. Not only is food security deteriorating in the conflict and spill over countries, but the high costs of perpetrating, containing, preventing and dealing with the consequences of violence undermine their ability to mitigate the decline in living standards.

"Covers the impact of animal foods on everything from climate change to affecting our health and well-being of life on our planet" (Deepak Chopra). The Meaty Truth is an eye-opening look at the massive problems caused by the American population's food supply. Water, meat, and milk and other dairy products are filled with toxins, antibiotics, untested growth hormones, ammonia, and animal pus and manure. The current conditions of the food production industry must drastically improve, and until they do, it is absolutely vital to monitor what you eat. Castle and Goodman take a hard-hitting look at what America is putting into its food, the negative effects this has on the world, and the best ways to make healthy, informed decisions about eating. As the antibiotic age ends, the rise of pandemic diseases is approaching. Approximately half of the illnesses that claim American lives today are related to what we eat, and our health-care system is focused on treating the sick, not preventing illnesses from occurring. To fix our health problems, to continue feeding the world's ever-growing population, and to save our planet from ecological destruction, we can no longer avoid making changes to how American

meat and dairy are produced. This guide is easy to read, applicable to anyone's lifestyle, and impossible to put down. "Castle and Goodman offer hope and simple advice for how we can change our diets to reclaim our beautiful land, sea, and selves." —Dr. Hope Ferdowsian, director of research policy, Physicians Committee for Responsible Medicine

'Over recent years Complexity Science has revealed to us new limits to our possible knowledge and control in social, cultural and economic systems. Instead of supposing that past statistics and patterns will give us predictable outcomes for possible actions, we now know the world is, and will always be, creative and surprising. Continuous structural evolution within such systems may change the mechanisms, descriptors, problems and opportunities, often negating policy aims. We therefore need to redevelop our thinking about interventions, policies and policy making, moving perhaps to a humbler, more 'learning' approach. In this Handbook, leading thinkers in multiple domains set out these new ideas and allow us to understand how these new ideas are changing policymaking and policies in this new era.' - Peter M Allen, Cranfield University, UK

The continued importance of Christian rhetorics in political, social, pedagogical, and civic affairs suggests that such rhetorics not only belong on the map of rhetorical studies, but are indeed essential to the geography of rhetorical studies in the twenty-first century. This collection argues that concerning ourselves with religious rhetorics in general and Christian rhetorics in particular tells us something about rhetoric itself—its boundaries, its characteristics, its functionings. In assembling original research on the

intersections of rhetoric and Christianity from prominent and emerging scholars, *Mapping Christian Rhetorics* seeks to locate religion more centrally within the geography of rhetorical studies in the twenty-first century. It does so by acknowledging work on Christian rhetorics that has been overlooked or ignored; connecting domains of knowledge and research areas pertaining to Christian rhetorics that may remain disconnected or under connected; and charting new avenues of inquiry about Christian rhetorics that might invigorate theory-building, teaching, research, and civic engagement. In dividing the terrain of Christian rhetorics into four categories—theory, education, methodology, and civic engagement—*Mapping Christian Rhetorics* aims to foster connections among these areas of inquiry and spur future future collaboration between scholars of religious rhetoric in a range of research areas.

In the age of globalization, digitization, and media convergence, traditional hierarchies between media are breaking down. This book offers new approaches to understanding the politics and their underlying ideologies that are reshaping our global media landscape, including questions of audience participation and transmedia storytelling.

Intellectual property (IP) is a key component of the life sciences, one of the most dynamic and innovative fields of technology today. At the same time, the relationship between IP and the life sciences raises new public policy dilemmas. The *Research Handbook on Intellectual Property and the Life Sciences* comprises contributions by leading experts from academia and industry to provide in-depth analyses of key topics including pharmaceuticals, diagnostics and genes, plant innovations, stem cells, the role of

competition law and access to medicines. The Research Handbook focuses on the relationship between IP and the life sciences in Europe and the United States, complemented by country-specific case studies on Australia, Brazil, China, India, Japan, Kenya, South Africa and Thailand to provide a truly international perspective.

On Agricultural Prosperity takes the best thoughts that history and philosophy have offered and makes them relevant to the present day rural context. Written in a simple illustrative style, On Agricultural Prosperity explains the core forces that act against rural profit and disproves the solutions that are promoted by the incumbent political dialogue, before providing a true solution that adheres to the rules of prosperity, which have been unchanged for 3,000 years. On Agricultural Prosperity is a key piece of strategic thinking, based on a unique resource, aimed at putting the solution to rural profit directly into the hands of farmers. As such, it is an essential read for those farmers seeking to put the viability of their rural business into their own hands.

Our new media landscape of social networking, blogging, and interactivity has forever changed how media content is produced and distributed. Choices about how to gather, evaluate and publish information are ever more complex. This blurring of boundaries between general public values and the values of media professionals has made media ethics an essential issue for media professionals, but also demonstrates how it must be intrinsically part of the wider public conversation. This book teaches students to navigate ethical questions in a digital society and apply ethical concepts and guidelines to their own practice. Using case studies,

judgement call boxes and further reading, Understanding Media Ethics clarifies the moral concepts in media contexts, and enables students to apply them to practical decision making through real-life worked examples. Covering key topics such as media freedoms, censorship, privacy, standards, taste, regulation, codes of practice and the ethics of representation, this is an essential guide for students in journalism, media, communication and public relations.

The essential guide by one of America's leading doctors to how digital technology enables all of us to take charge of our health A trip to the doctor is almost a guarantee of misery. You'll make an appointment months in advance. You'll probably wait for several hours until you hear "the doctor will see you now"-but only for fifteen minutes! Then you'll wait even longer for lab tests, the results of which you'll likely never see, unless they indicate further (and more invasive) tests, most of which will probably prove unnecessary (much like physicals themselves). And your bill will be astronomical. In *The Patient Will See You Now*, Eric Topol, one of the nation's top physicians, shows why medicine does not have to be that way. Instead, you could use your smartphone to get rapid test results from one drop of blood, monitor your vital signs both day and night, and use an artificially intelligent algorithm to receive a diagnosis without having to see a doctor, all at a small fraction of the cost imposed by our modern healthcare system. The change is powered by what Topol calls medicine's "Gutenberg moment." Much as the printing press took learning out of the hands of a priestly class, the mobile internet is doing the same for medicine, giving us unprecedented control over our healthcare. With smartphones in hand, we are no longer behold-

en to an impersonal and paternalistic system in which "doctor knows best." Medicine has been digitized, Topol argues; now it will be democratized. Computers will replace physicians for many diagnostic tasks, citizen science will give rise to citizen medicine, and enormous data sets will give us new means to attack conditions that have long been incurable. Massive, open, online medicine, where diagnostics are done by Facebook-like comparisons of medical profiles, will enable real-time, real-world research on massive populations. There's no doubt the path forward will be complicated: the medical establishment will resist these changes, and digitized medicine inevitably raises serious issues surrounding privacy. Nevertheless, the result-better, cheaper, and more human health care-will be worth it. Provocative and engrossing, *The Patient Will See You Now* is essential reading for anyone who thinks they deserve better health care. That is, for all of us.

In 2013 almost half of Africa's top aid recipients were ruled by authoritarian regimes. While the West may claim to promote democracy and human rights, in practice major bilateral and international donors, such as USAID, DFID, the World Bank and the European Commission, have seen their aid policies become ever more entangled with the survival of their authoritarian protégés. Local citizens thus find themselves at the receiving end of a compromise between aid agencies and government elites, in which development policies are shaped in the interests of maintaining the status quo. *Aid and Authoritarianism in Africa* sheds light on the political intricacies and moral dilemmas raised by the relationship between foreign aid and autocratic rule in Africa. Through contributions by leading experts exploring the revival of authoritarian development politics in Ethiopia, Uganda, Rwanda, Cameroon,

Mozambique and Angola, the book exposes shifting donor interests and rhetoric as well as the impact of foreign aid on military assistance, rural development, electoral processes and domestic politics. In the process, it raises an urgent and too often neglected question: to what extent are foreign aid programmes actually perpetuating authoritarian rule?

This book sets out the conditions under which the need for a new approach to the production of architecture in the twenty-first century is established, where our homes and cities are facing increasing pressures from environmental challenges that are compromising our lives and well being. Vibrant architecture embodies a new kind of architectural design practice that explores how lively materials, or 'vibrant matter', may be incorporated into our buildings to confer on them some of the properties of living things, such as movement, growth, sensitivity and self-repair. The theoretical and practical implications of how this may occur are explored through the application of a new group of materials. Characteristically, these substances possess some of the properties of living systems but may not have the full status of being truly alive. They include forms of chemical artificial life such as 'dynamic droplets' or synthetically produced soils. As complex systems, they are able to communicate directly with the natural world using a shared language of chemistry and so, negotiate their continued survival in a restless world. Vibrant architecture may create new opportunities for architectural design practice that venture beyond top-down form-finding programs, by enabling architects to co-design in partnership with human and nonhuman collectives, which result from the production of post natural landscapes. Ultimately, vibrant architecture may operate as an ecological plat-

form for human development that augments the liveliness of our planet, rather than diminishes it.

Climate change, population increase, and the demands made by the growing number of people adopting urban lifestyles and western diets threaten the world's supply of freshwater, edging us closer to a global water crisis, with dire implications for agriculture, the economy, the environment, and human health. Completely revised and updated, *The Atlas of Water* is a compelling visual guide to the state of this life-sustaining resource. Using vivid graphics, maps, and charts, it explores the complex human interaction with water around the world. This vibrant atlas addresses all the pressing issues concerning water, from water shortages and excessive demand, to dams, pollution, and privatization, all considered in terms of the growing threat of an increasingly unpredictable climate. It also outlines critical tools for managing water, providing safe access to water, and preserving the future of the world's water supply.

Over the past 20 years, the perception of tourism as an effective contributor to socio-economic development in the developing world has propagated, with many viewing tourism as a provider for poverty alleviation and towards other UN Millennium Development Goals. Over the same period, readers have become familiar with the paradoxes, complexities and inequalities of tourism in relation to development, wealth creation, growth, redistribution, governance and 'hosts-guests' relationships. This volume further extends this critical debate with a much-needed cohesive publica-

tion on Sub-Sahara Africa (SSA). In an era of fluctuating tourist arrivals at global level, the growth of tourism in SSA requires deeper consideration in terms of its inconsistent and questionable implications at local level. Taking as a central theme the debate on whether tourism should be used in development efforts, this book examines the way in which tourism has controversially become the way forward to development in several SSA locations and assesses bottlenecks to sustainable development as well as dilemmas and challenges faced by those SSA destinations seeking to achieve development through tourism. It offers an explicit set of chapters adopting a multi-disciplinary approach, drawing upon tourism studies, human geography, sociology, anthropology, political economy, development and environmental studies, and integrates case studies authored by local African practitioners and academics to produce a book that gave voice to local experts on local realities. Combining an overview of key theories, concepts, contemporary issues and debates as well as practical insights from a wide range of regions in SSA, this book will be a valuable resource for those investigating the role of tourism in development.

In a fast moving world, businesses need to keep up with data analysis and pattern spotting to identify future opportunities. Anne Lise Kjaer presents a unique methodology for global trend spotting along with practical tools and approaches to help companies and organizations analyse market changes and determine the way ahead.