

## Geography An Integrated Approach Aklein

Publisher Description

This book provides a scholarly and yet accessible introduction to the legal framework of modern business enterprises. It explains the legal ideas that allow for the recognition of firms as organizational "persons" having social rights and responsibilities, and how law sets the boundaries of firms.

The purpose of this study is to describe German planning and operations in the first part of the campaign against Russia. The narrative starts with Hitler's initial plans for an invasion of Russia and ends at the time of Germany's maximum territorial gains during the battle for Stalingrad.

During the last decade, the Latin American and Caribbean region has experienced unprecedented natural resources abundance. This book highlights how transparency can help realize the benefits and reduce negative externalities associated with the extractive industries in the region. A central message is that high-quality and well-managed information is critical to ensure the transparent and effective governance of the sector. The insights from experiences in the region can help policymakers design and implement effective regulatory reforms and adopt international standards that contribute to this goal. This is particularly important at a time when the recent boom experienced by extractives in the region may be coming to an end.

The Licit Life of Capitalism

American Jewish Year Book 2019

Geographies of Food

Basic Principles, Clinical Applications, and Related Fields

The German Campaign in Russia

Integrated Science

*Ontologies are increasingly recognized as essential tools in information science. Although the concepts are well understood theoretically , the practical implementation of ontologies remains challenging. In this book, researchers in computer science, information systems, ontology engineering, urban planning and design, civil and building engineering, and architecture present an interdisciplinary study of ontology engineering and its application in urban development projects. The first part of the book introduces the general notion of ontology, describing variations in abstraction level, coverage, and formality. It also discusses the use of ontologies to achieve interoperability, and to represent multiple points of view and multilingualism. This is illustrated with examples from the urban domain. The second part is specific to urban development. It covers spatial and geographical knowledge representation, the creation of urban ontologies from various knowledge sources, the interconnection of urban models and the interaction between standards and domain models. The third part presents case studies of the development of ontologies for urban mobility, urban morphological processes, road systems, and cultural heritage. Other cases report on the use of ontologies to solve urban development problems, in construction business models, building regulations and urban regeneration. It concludes with a discussion of key challenges for the future deployment of ontologies in this domain. This book bridges the gap between urban practitioners and computer scientists. As the essence of most urban projects lies in making connections between worldviews, ontology development has an important role to play, in promoting interoperability between data sources, both formal (urban databases, Building Integrated Models, Geographical Information Systems etc.) and less formal (thesauri, text records, web sources etc.). This volume offers a comprehensive introduction to ontology engineering for urban development. It is essential reading for practitioners and ontology designers working in urban development.*

*– semantic caching – data warehousing and semantic data mining – spatial, temporal, multimedia and multimodal semantics – semantics in data visualization – semantic services for mobile users – supporting tools – applications of semantic-driven approaches*
These topics are to be understood as speci?cally related to semantic issues. Contributions submitted to the journal and dealing with semantics of data will be considered even if they are not within the topics in the list. While the physical appearance of the journal issues looks like the books from the well-known Springer LNCS series, the mode of operation is that of a journal. Contributions can be freely submitted by authors and are reviewed by the Editorial Board. Contributions may also be invited, and nevertheless carefully reviewed, as in the case for issues that contain extended versions of best papers from major conferences addressing data semantics issues. Special issues, focusing on a speci?c topic, are coordinated by guest editors once the proposal for a special issue is accepted by the Editorial Board. Finally, it is also possible that a journal issue be devoted to a single text.

*This book examines the power definiteness of landscape from a social constructivist perspective with a particular focus on the importance of aesthetic concepts of landscape in development. It seeks to answer the question of how societal notions of landscape emerge, how they are individually updated and how these ideas affect the use and design of physical space. It also analyzes how physical manifestations of societal activity impact on understandings of individual and societal landscapes and addresses the essential aspect of the social construction of landscape, cultural specificity, which in turn is discussed in the context of the expansion of a western landscape concept. The book offers an unprecedented, comprehensive and detailed examination of societal power relations in the context of landscape development. The numerous case studies from the physical manifestation of modern spatial planning in the United States, the power discourses concerning the design of model railway landscapes, and the medial production of stereotypical landscape notions shed light on the complex and multilayered interactions of collective and individual landscape references. It is a valuable resource for geographers, sociologists, landscape architects, landscape planners and philosophers.*

*Professional politicians have increasingly come under public attack in most democratic countries. Yet they have received surprisingly little systematic attention in political science. This book demonstrates that there are both striking similarities between professional politicians in different countries and notable national peculiarities. The introduction develops a common conceptual framework for the chapters to follow. Using Mosca's term and Weber's seminal insights it reconstructs the concept of political class to grasp the degree of common interests shared by politicians of different parties and in different institutions. Thereby, it presents an innovative perspective on politicians. The twenty country chapters written by scholars from sixteen countries both provide up-to-date information on professional politics in their countries and discuss the merits of the theoretical approach. In doing so, they follow a common format thus facilitating a comparative reading of particular aspects. Each chapter looks at the historical process of professionalization, the institutional context of professional politics, the size of the political class in each country, typical career paths, the remuneration of politicians, and recent reform debates.*

Encyclopedia of Natural Hazards

How People Make Decisions

Quantum Gravity

The Political Class in Advanced Democracies

Strategic Management

The Impaired Physician

Architectural Research Methods

The purpose of this text is to provide the Army with a factual account of the organization and operations of the Soviet resistance movement behind the German forces on the Eastern Front during World War II. This movement offers a particularly valuable case study, for it can be viewed both in relation to the German occupation in the Soviet Union and to the offensive and defensive operations of the Wehrmacht and the Red Army. The scope of the study includes an over-all picture of a quasi-military organization in relation to a larger conflict between two regular armies. It is not a study in partisan tactics, nor is it intended to be. German measures taken to combat the partisan movement are sketched in, but the story in large part remains that of an organization and how it operated. The German planning for the invasion of Russia is treated at some length because many of the circumstances which favored the rise and development of the movement had their bases in errors the Germans made in their initial planning. The operations of the Wehrmacht and the Red Army are likewise described in considerable detail as the backdrop against which the operations of the partisan units are projected. Because of the lack of reliable Soviet sources, the story has been told much as the Germans recorded it. German documents written during the course of World War II constitute the principal sources, but many survivors who had experience in Russia have made important contributions based upon their personal experience.

Few subjects have caught the attention of the entire world as much as those dealing with natural hazards. The first decade of this new millennium provides a litany of tragic examples of various hazards that turned into disasters affecting millions of individuals around the globe. The human losses (some 225,000 people) associated with the 2004 Indian Ocean earthquake and tsunami, the economic costs (approximately 200 billion USD) of the 2011 Tohoku Japan earthquake, tsunami and reactor event, and the collective social impacts of human tragedies experienced during Hurricane Katrina in 2005 all provide repetitive reminders that we humans are temporary guests occupying a very active and angry planet.

Any examples may have been cited here to stress the point that natural events on Earth may, and often do, lead to disasters and catastrophes when humans place themselves into situations of high risk. Few subjects share the true interdisciplinary dependency that characterizes the field of natural hazards. From geology and geophysics to engineering and emergency response to social psychology and economics, the study of natural hazards draws input from an impressive suite of unique and previously independent specializations. Natural hazards provide a common platform to reduce disciplinary boundaries and facilitate a beneficial synergy in the provision of timely and useful information and action on this critical subject matter. As social norms change regarding the concept of acceptable risk and human migration leads to an explosion in the number of megacities, coastal over-crowding and unmanaged habitation in precarious environments such as mountainous slopes, the vulnerability of people and their susceptibility to natural hazards increases dramatically. Coupled with the concerns of changing climates, escalating recovery costs, a growing divergence between more developed and less developed countries, the subject of natural hazards remains on the forefront of issues that affect all people, nations, and environments all the time. This treatise provides a compendium of critical, timely and very detailed information and essential facts regarding the basic attributes of natural hazards and concomitant disasters. The Encyclopedia of Natural Hazards effectively captures and integrates contributions from an international portfolio of almost 300 specialists whose range of expertise addresses over 330 topics pertinent to the field of natural hazards. Disciplinary barriers are overcome in this comprehensive treatment of the subject matter. Clear illustrations and numerous color images enhance the primary aim to communicate and educate. The inclusion of a series of unique “classic case study” events interspersed throughout the volume provides tangible examples linking concepts, issues, outcomes and solutions. These case studies illustrate different but notable recent, historic and prehistoric events that have shaped the world as we now know it. They provide excellent focal points linking the remaining terms in the volume to the primary field of study. This Encyclopedia of Natural Hazards will remain a standard reference of choice for many years.

Part I of each volume will feature 5-7 major review chapters, including 2-3 long chapters reviewing topics of major concern to the American Jewish community written by top experts on each topic, review chapters on "National Affairs" and "Jewish Communal Affairs" and articles on the Jewish population of the United States and the World Jewish Population. Future major review chapters will include such topics as Jewish Education in America, American Jewish Philanthropy, Israel/Diaspora Relations, American Jewish Demography, American Jewish History, LGBT Issues in American Jewry, American Jews and National Elections, Orthodox Judaism in the US, Conservative Judaism in the US, Reform Judaism in the US, Jewish Involvement in the Labor Movement, Perspectives in American Jewish Sociology, Recent Trends in American Judaism, Impact of Feminism on American Jewish Life, American Jewish Museums, Anti-Semitism in America, and Inter-Religious Dialogue in America. Part II-V of each volume will continue the tradition of listing Jewish Federations, national Jewish organizations, Jewish periodicals, and obituaries. But to this list are added lists of Jewish Community Centers, Jewish Camps, Jewish Museums, Holocaust Museums, and Jewish honorees (both those honored through awards by Jewish organizations and by receiving honors, such as Presidential Medals of Freedom and Academy Awards, from the secular world). We expand the Year Book tradition of bringing academic research to the Jewish communal world by adding lists of academic journals, articles in academic journals on Jewish topics, Jewish websites, and books on American and Canadian Jews. Finally, we add a list of major events in the North American Jewish Community.

The early modern era produced the Scientific Revolution, which originated our present understanding of the natural world. Concurrently, philosophers established the conceptual foundations of modernity. This rich and comprehensive volume surveys and illuminates the numerous and complicated interconnections between philosophical and scientific thought as both were radically transformed from the late sixteenth to the mid-eighteenth century. The chapters explore reciprocal influences between philosophy and physics, astronomy, mathematics, medicine, and other disciplines, and show how thinkers responded to an immense range of intellectual, material, and institutional influences. The volume offers a unique perspicuity, viewing the entire landscape of early modern philosophy and science, and also marks an epoch in contemporary scholarship, surveying recent contributions and suggesting future investigations for the next generation of scholars and students.

The Soviet Partisan Movement, 1941-1944

Engineering for Sustainable Development

Landscape and Power in Geographical Space as a Social-Aesthetic Construct

The Cambridge History of Philosophy of the Scientific Revolution

Planning and Operations, 1940-1942

An Introduction

Healthy, Resilient, and Sustainable Communities After Disasters

The Earth has reached a tipping point. Runaway climate change, the sixth great extinction of planetary life, the acidification of the oceans—all point toward an era of unprecedented turbulence in humanity’s relationship within the web of life. How do we make sense of this extraordinary transition? Anthropocene or Capitalocene? offers answers to these questions from a dynamic group of leading critical scholars. They challenge the theory and history offered by the most significant Anthropocene. But are we living in the Anthropocene, literally the “Age of Man”? Is a different response more compelling, and better suited to the strange—and often terrifying—times in which we live? The contributors to this book diagnose and propose an alternative: the global crises of the twenty-first century are rooted in the Capitalocene, the Age of Capital. Anthropocene or Capitalocene? offers a series of provocative essays on nature and power, humanity, and capitalism. In so doing, younger scholars, the book challenges the conventional practice of dividing historical change and contemporary reality into “Nature” and “Society,” demonstrating the possibilities offered by a more nuanced and connective view of human error and within the biosphere. In distinct registers, the authors frame their discussions within a politics of hope that signal the possibilities for transcending capitalism, broadly understood as a “world-ecology” that joins nature, capital, and humans. Contributors include Jason W. Moore, Eileen Crist, Donna J. Haraway, Justin McBrien, Elmar Altvater, Daniel Hartley, and Christian Parenti.

Integrated Science: Science without Borders" is the first volume of the INTEGRATED SCIENCE Book series, aiming to publish the results of the most updated ideas and reviews in transdisciplinary fields and to highlight the integration of disciplines from the physical, chemical, biological, and social sciences, physical-chemical sciences and engineering, biological sciences, medical sciences, and social sciences. This volume primarily focuses on the research involving the integration of two or more academic fields offering an innovative, borderless focus of the Universal Scientific Education and Research Network (USERN). The whole world is suffering from complex problems; these are borderless problems; thus, a borderless solution could merely solve such complex issues. Transdisciplinary research work jointly, using a shared conceptual framework, drawing together disciplinary-specific theories, concepts, and approaches to address common problems. Lack of confidence, lack of expertise, complexities of healthcare, the confusing nature of interdisciplinary organization and standardization are the obstacles of successful scientific communication. Consequently, this book provides an overview of the essential elements of transdisciplinary studies and integrated science. The unique aspect of this book is covering all aspects of science as harmonies of a single symphony.

?This book is an update of the first BACC assessment, published in 2008. It offers new and updated scientific findings in regional climate research for the Baltic Sea basin. These include climate changes since the last glaciation (approx. 12,000 years) (the last 200 years), climate projections up until 2100 using state-of-the-art regional climate models and an assessment of climate-change impacts on terrestrial, freshwater and marine ecosystems. There are dedicated new chapters on sea level rise in urban areas. A new set of chapters deals with possible causes of regional climate change along with the global effects of increased greenhouse gas concentrations, namely atmospheric aerosols and land-cover change. The evidence collected for regional climate has already started to change and this is expected to continue. Projections of potential future climates show that the region will probably become considerably warmer and wetter in some parts, but dryer in others. Terrestrial temperature shown adjustments to increased temperatures and are expected to undergo further changes in the near future. The BACC II Author Team consists of 141 scientists from 12 countries, covering various disciplines related to climate research in the Baltic Earth research network and contributes to the World Climate Research Programme.

The report highlights the crucial role of engineering in achieving each of the 17 SDGs. It shows how equal opportunities for all is key to ensuring an inclusive and gender balanced profession that can better respond to the shortage of engineering talent. It provides a snapshot of the engineering innovations that are shaping our world, especially emerging technologies such as big data and AI, which are crucial for addressing the pressing challenges facing humankind and the planet. It analyses the transition to a capacity-building at the dawn of the Fourth Industrial Revolution that will enable engineers to tackle the challenges ahead. It highlights the global effort needed to address the specific regional disparities, while summarizing the trends of engineering in the world.

Climate Change, Adaptive Capacity and Development

The Optical Unconscious

Beiträge Zur 15. Internationalen Konferenz Zu Stadtplanung, Regionalentwicklung und Informationsgesellschaft

Competitiveness & Globalization : Concepts and Cases

US Oil in Equatorial Guinea

Emerging Environmental Contaminants?

The dawn of language, imagination and spirituality

*Examine strategic management with the market-leading book that has set the standard for providing an intellectually rich, yet thoroughly practical, analysis of strategic management today. Written by highly respected experts and scholars Hitt, Ireland, and Hoskisson, STRATEGIC MANAGEMENT: COMPETITIVENESS AND GLOBALIZATION, CONCEPTS AND CASE, 9E is the only book that integrates the classic industrial organization model with a resource-based view of the firm to give readers a complete understanding of how businesses use strategic management to establish a sustained competitive advantage. The authors present cutting-edge research and strategic management trends within a strong global focus, using memorable examples from more than 600 companies. A selection of 30 compelling cases prepares you to face the broad range of critical issues confronting contemporary managers. You can also easily build your own case selections from other premier providers, such as Harvard, Ivey, and Darden.*

*The Oath of Hippocrates, administered to generations of physicians as they embark on their profession, begins: "I will look upon him who shall have taught me this art even as one of my parents. I will share my substance with him, and I will supply his necessities, if he be in need. " Despite that solemn promise, we have too often ignored or neglected the physician in trouble. Even if we could put aside the human concerns of one physician for an impaired colleague (can our profession truly permit that?), we must concede that our society can ill afford it. This book, which has been assembled and edited by Stephen C. Scheiber and Brian B. Doyle, may be a lifesaver for the doctor in trouble and will be a health saver for the population of our country. A land which decried the lack of physicians a quarter century ago and spent the vast resources to double the number of graduates in medicine, cannot permit a tenth of all doctors to be out of commission. That would be a large, and for the most part preventable, addition to the cost of health care in America. In this book, Scheiber and Doyle have gathered the expertise of many psychiatrists who are knowledgeable about the impaired physi cian.*

*The leading reference on electroencephalography since 1982, Niedermeyer's Electroencephalography is now in its thoroughly updated Sixth Edition. An international group of experts provides comprehensive coverage of the neurophysiologic and technical aspects of EEG, evoked potentials, and magnetoencephalography, as well as the clinical applications of these studies in neonates, infants, children, adults, and older adults. This edition's new lead editor, Donald Schomer, MD, has updated the technical information and added a major new chapter on artifacts. Other highlights include complete coverage of EEG in the intensive care unit and new chapters on integrating other recording devices with EEG; transcranial electrical and magnetic stimulation; EEG/TMS in evaluation of cognitive and mood disorders; and sleep in premature infants, children and adolescents, and the elderly. A companion website includes fully searchable text and image bank.*

*What is the future of food in light of growing threats from the climate emergency and natural resource depletion, as well as economic and social inequality? This textbook engages with this question, and considers the complex relationships between food, place, and space, providing students with an introduction to the contemporary and future geographies of food and the powerful role that food plays in our everyday lives. Geographies of Food explores contemporary food issues and crises in all their dimensions, as well as the many solutions currently being proposed. Drawing on global case studies from the Majority and Minority Worlds, it analyses the complex relationships operating between people and processes at a range of geographical scales, from the shopping decisions of consumers in a British or US supermarket, to food insecurity in Sub-Saharan Africa, to the high-level political negotiations at the World Trade Organization and the strategies of giant American and European agri-businesses whose activities span several continents. With over 60 color images and a range of lively pedagogical features, Geographies of Food is essential reading for undergraduates studying food and geography.*

Second Assessment of Climate Change for the Baltic Sea Basin

Accelerando

Nature, History, and the Crisis of Capitalism

*Science Without Borders*

*Niedermeyer's Electroencephalography*

*Experiences from the Extractive Industries in Latin America and the Caribbean*

*Stressors in the Marine Environment*

The German Campaign in RussiaPlanning and Operations, 1940-1942

The Licit Life of Capitalism is both an account of a specific capitalist project—U.S. oil companies working off the shores of Equatorial Guinea—and a sweeping theorization of more general forms and processes that facilitate diverse capitalist projects around the world. Hannah Appel draws on extensive fieldwork with managers and rig workers, lawyers and bureaucrats, the expat wives of American oil executives and the Equatoguinean women who work in their homes, to turn conventional critiques of capitalism on their head, arguing that market practices do not merely exacerbate inequality; they are made by it. People and places differentially valued by gender, race, and colonial histories are the terrain on which the rules of capitalist economy are built. Appel shows how the corporate form and the contract, offshore rigs and economic theory are the assemblages of liberalism and race, expertise and gender, technology and domesticity that enable the licit life of capitalism—practices that are legally sanctioned, widely replicated, and ordinary, at the same time as they are messy, contested, and, arguably, indefensible.

The emergence of symbolic culture, classically identified with the European cave paintings of the Ice Age, is now seen, in the light of recent groundbreaking discoveries, as a complex nonlinear process taking root in a remote past and in different regions of the planet. In this book the archaeologists responsible for some of these new discoveries, flanked by ethologists interested in primate cognition and cultural transmission, evolutionary psychologists modelling the emergence of metarepresentations, as well as biologists, philosophers, neuro-scientists and an astronomer combine their research findings. Their results call into question our very conception of human nature and animal behaviour, and they create epistemological bridges between disciplines that build the foundations for a novel vision of our lineage's cultural trajectory and the processes that have led to the emergence of human societies as we know them.

This book introduces the companion modelling approach by presenting the stance that underpins it, the methods and tools used with stakeholders and the specific role of models during the process. It addresses the means to deal with the different levels of decision-making and to take into account the various power relationships. It proposes a methodology to assess the impact of the approach on the stakeholders involved in the process. The book includes 27 case studies and 7 teaching tools that describe the successful use of the approach in a variety of settings or teaching contexts. It is intended for researchers working on rural development or renewable resources management, as well as students and teachers.

Sensor and Data Fusion

Business Persons

Eye Movement Disorders

A Tool for Information Assessment and Decision Making

Biocomputing 2021 - Proceedings Of The Pacific Symposium

The Annual Record of the North American Jewish Communities Since 1899

Journal on Data Semantics III

**In the devastation that follows a major disaster, there is a need for multiple sectors to unite and devote new resources to support the rebuilding of infrastructure, the provision of health and social services, the restoration of care delivery systems, and other critical recovery needs. In some cases, billions of dollars from public, private and charitable sources are invested to help communities recover. National rhetoric often characterizes these efforts as a "return to normal." But for many American communities, pre-disaster conditions are far from optimal. Large segments of the U.S. population suffer from preventable health problems, experience inequitable access to services, and rely on overburdened health systems. A return to pre-event conditions in such cases may be short-sighted given the high costs - both economic and social - of poor health. Instead, it is important to understand that the disaster recovery process offers a series of unique and valuable opportunities to improve on the status quo. Capitalizing on these opportunities can advance the long-term health, resilience, and sustainability of communities - thereby better preparing them for future challenges. Healthy, Resilient, and Sustainable Communities After Disasters identifies and recommends recovery practices and novel programs most likely to impact overall community public health and contribute to resiliency for future incidents. This book makes the case that disaster recovery should be guided by a healthy community vision, where health considerations are integrated into all aspects of recovery planning before and after a disaster, and funding streams are leveraged in a coordinated manner and applied to health improvement priorities in order to meet human recovery needs and create healthy built and natural environments. The conceptual framework presented in Healthy, Resilient, and Sustainable Communities After Disasters lays the groundwork to achieve this goal and provides operational guidance for multiple sectors involved in community planning and disaster recovery. Healthy, Resilient, and Sustainable Communities After Disasters calls for actions at multiple levels to facilitate recovery strategies that optimize community health. With a shared healthy community vision, strategic planning that prioritizes health, and coordinated implementation, disaster recovery can result in a communities that are healthier, more livable places for current and future generations to grow and thrive - communities that are better prepared for future adversities.**

There is perhaps no area of neuro-ophthalmology that is advancing more rapidly with respect to an understanding of its anatomy and physiology than the ocular motor system. For this reason, it is difficult not only to keep up with the latest information concerning the basic mechanisms involved in the control of eye movements but also to remain up to date regarding the pathophysiology of specific disorders of eye movement. The material in this book is derived from a two-day course on eye movements held in The Netherlands in 1986. The course was designed as an introduction to the normal ocular motor system and to disorders of eye movements and was aimed toward orthoptists, ophthalmologists, optometrists, neurologists, and neurosurgeons. The chapters in this book were compiled by a trio of experts in the field of eye movements and contain discussions of anatomy and physiology of the ocular motor system, techniques of examination of patients with diplopia, and pathophysiology of specific disorders of ocular motility. Many of the authors of these chapters are among the most active investigators of eye movements in the world today, and their comments thus reflect the latest information in the field. This text is both basic and comprehensive and thus has something for everyone, from the student just beginning a study of the ocular motor system to the seasoned 'veteran' who wishes to know the latest information regarding central ocular motor control mechanisms. Neil R.

This book is open access under a CC BY 4.0 license. This volume focuses on microscopic plastic debris, also referred to as microplastics, which have been detected in aquatic environments around the globe and have accordingly raised serious concerns. The book explores whether microplastics represent emerging contaminants in freshwater systems, an area that remains underrepresented to date. Given the complexity of the issue, the book covers the current state-of-research on microplastics in rivers and lakes, including analytical aspects, environmental concentrations and sources, modelling approaches, interactions with biota, and ecological implications. To provide a broader perspective, the book also discusses lessons learned from nanomaterials and the implications of plastic debris for regulation, politics, economy, and society. In a research field that is rapidly evolving, it offers a solid overview for environmental chemists, engineers, and toxicologists, as well as water managers and policy-makers.

A practical guide to research for architects and designers—now updated and expanded! From searching for the best glass to prevent glare to determining how clients might react to the color choice for restaurant walls, research is a crucial tool that architects must master in order to effectively address the technical, aesthetic, and behavioral issues that arise in their work. This book's unique coverage of research methods is specifically targeted to help professional designers and researchers better conduct and understand research. Part I explores basic research issues and concepts, and includes chapters on relating theory to method and design to research. Part II gives a comprehensive treatment of specific strategies for investigating built forms. In all, the book covers seven types of research, including historical, qualitative, correlational, experimental, simulation, logical argumentation, and case studies and mixed methods. Features new to this edition include: Strategies for investigation, practical examples, and resources for additional information A look at current trends and innovations in research Coverage of design studio–based research that shows how strategies described in the book can be employed in real life A discussion of digital media and online research New and updated examples of research studies A new chapter on the relationship between design and research Architectural Research Methods is an essential reference for architecture students and researchers as well as architects, interior designers, landscape architects, and building product manufacturers.

Anthropocene or Capitalocene?

Companion Modelling

Ontologies in Urban Development Projects

British Education Index

Freshwater Microplastics

ABC of Prehospital Emergency Medicine

Sources of Power

A multitude of direct and indirect human influences have significantly altered the environmental conditions, composition, and diversity of marine communities. However, understanding and predicting the combined impacts of single and multiple stressors is particularly challenging because observed ecological feedbacks are underpinned by a number of physiological and behavioural responses that reflect stressor type, severity, and timing. Furthermore, integration between the traditional domains of physiology and ecology tends to be fragmented and focused towards the effects of a specific stressor or set of circumstances. This novel volume summarises the latest research in the physiological and ecological responses of marine species to a comprehensive range of marine stressors, including chemical and noise pollution, ocean acidification, hypoxia, UV radiation, thermal and salinity stress before providing a perspective on future outcomes for some of the most pressing environmental issues facing society today. Stressors in the Marine Environment synthesises the combined expertise of a range of international researchers, providing a truly interdisciplinary and accessible summary of the field. It is essential reading for graduate students as well as professional researchers in environmental physiology, ecology, marine biology, conservation biology, and marine resource management. It will also be of particular relevance and use to the regulatory agencies and authorities tasked with managing the marine environment, including social scientists and environmental economists.

This book illustrates the benefits of sensor fusion by considering the characteristics of infrared, microwave, and millimeter-wave sensors, including the influence of the atmosphere on their performance. Applications that benefit from this technology include: vehicular traffic management, remote sensing, target classification and tracking- weather forecasting- military and homeland defense. Covering data fusion algorithms in detail, Klein includes a summary of the information required to implement each of the algorithms discussed, and outlines system application scenarios that may limit sensor size but that require high resolution data.

Based on papers presented at a workshop entitled Enhancing the Capacity of Developing Countries to Adapt to Climate Change, which was held Sept. 30-Oct. 2, 2001, Potsdam, Ger., and sponsored by the Potsdam Institute for Climate Impact Research.

An overview of naturalistic decision making, which views people as inherently skilled and experienced.

A History

A Life Course Approach to Chronic Disease Epidemiology

New Methodological Strategies

Transparent Governance in an Age of Abundance

A Participatory Approach to Support Sustainable Development

A Comparative Handbook

Physiological and ecological responses; societal implications

*'A Life Course Approach to Chronic Disease Epidemiology' provides a detailed and up-to-date review of research findings which suggest that many of the chronic diseases prevalent in adult life have their origins in early life.*

*The Idea of Development in Africa challenges prevailing international development discourses about the continent, by tracing the history of ideas, practices, and 'problems' of development used in Africa.*

*In doing so, it offers an innovative approach to examining the history and culture of development through the lens of the development episteme, which has been foundational to the 'idea of Africa' in western discourses since the early 1800s. The study weaves together an historical narrative of how the idea of development emerged with an account of the policies and practices of development in colonial and postcolonial Africa. The book highlights four enduring themes in African development, including their present-day ramifications: domesticity, education, health, and industrialization. Offering a balance between historical overview and analysis of past and present case studies, Elisabeth McMahon and Corrie Decker demonstrate that Africans have always co-opted, challenged, and reformed the idea of development, even as the western-centric development episteme presumes a one-way flow of ideas and funding from the West to Africa.*

*Prehospital Emergency Medicine (PHEM) is a new and evolving field within Prehospital Care and involves the delivery of safe prehospital critical care to seriously ill or injured patients, and safe transfer to or between hospitals. It covers a broad range of medical and traumatic conditions, interventions, clinical providers and physical environments. ABC of Prehospital Emergency Medicine is the first text to provide a comprehensive overview of this field and with an international team of expert authors is essential reading to anyone involved in the delivery of Prehospital Emergency Medicine and Prehospital Care. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store.*

*The Optical Unconscious is a pointed protest against the official story of modernism and against the critical tradition that attempted to define modern art according to certain sacred commandments and self-fulfilling truths. The account of modernism presented here challenges the vaunted principle of "vision itself." And it is a very different story than we have ever read, not only because its insurgent plot and characters rise from below the calm surface of the known and law-like field of modernist painting, but because the voice is unlike anything we have heard before. Just as the artists of the optical unconscious assaulted the idea of autonomy and visual mastery, Rosalind Krauss abandons the historian's voice of objective detachment and forges a new style of writing in this book: art history that insinuates diary and art theory, and that has the gait and tone of fiction. The Optical Unconscious will be deeply vexing to modernism's standard-bearers, and to readers who have accepted the foundational principles on which their aesthetic is based. Krauss also gives us the story that Alfred Barr, Meyer Shapiro, and Clement Greenberg repressed, the story of a small, disparate group of artists who defied modernism's most cherished self-descriptions, giving rise to an unruly, disruptive force that persistently haunted the field of modernism from the 1920s to the 1950s and continues to disrupt it today. In order to understand why modernism had to repress the optical unconscious, Krauss eavesdrops on Roger Fry in the salons of Bloomsbury, and spies on the toddler John Ruskin as he amuses himself with the patterns of a rug; we find her in the living room of Clement Greenberg as he complains about "smart Jewish girls with their typewriters" in the 1960s, and in colloquy with Michael Fried about Frank Stella's love of baseball. Along the way, there are also narrative encounters with Freud, Jacques Lacan, Georges Bataille, Roger Caillois, Gilles Deleuze, and Jean-François Lyotard. To embody this optical unconscious, Krauss turns to the pages of Max Ernst's collage novels, to Marcel Duchamp's hypnotic Rotoreliefs, to Eva Hesse's luminous sculptures, and to Cy Twombly's, Andy Warhol's, and Robert Morris's scandalous decoding of Jackson Pollock's drip pictures as "Anti-Form." These artists introduced a new set of values into the field of twentieth-century art, offering ready-made images of*

*Ecological Inference*

*A Legal Theory of the Firm*

*The Idea of Development in Africa*

*Homo Symbolicus*

*Strategies, Opportunities, and Planning for Recovery*

*The Pacific Symposium on Biocomputing (PSB) 2021 is an international, multidisciplinary conference for the presentation and discussion of current research in the theory and application of computational methods in problems of biological significance.*

*Presentations are rigorously peer reviewed and are published in an archival proceedings volume. PSB 2021 will be held on a virtual platform at psb.stanford.edu/ on January 5-7, 2021. Tutorials and workshops will be offered prior to the start of the conference.PSB 2021 will bring together top researchers from the US, the Asian Pacific nations, and around the world to exchange research results and address open issues in all aspects of computational biology. It is a forum for the presentation of work in databases, algorithms, interfaces, visualization, modeling, and other computational methods, as applied to biological problems, with emphasis on applications in data-rich areas of molecular biology.The PSB has been designed to be responsive to the need for critical mass in sub-disciplines within biocomputing. For that reason, it is the only meeting whose sessions are defined dynamically each year in response to specific proposals. PSB sessions are organized by leaders of research in biocomputing's 'hot topics.' In this way, the meeting provides an early forum for serious examination of emerging methods and approaches in this rapidly changing field.*

*The Singularity. It is the era of the posthuman. Artificial intelligences have surpassed the limits of human intellect. Biotechnological beings have rendered people all but extinct. Molecular nanotechnology runs rampant, replicating and reprogramming at will. Contact with extraterrestrial life grows more imminent with each new day. Struggling to survive and thrive in this accelerated world are three generations of the Macx clan: Manfred, an entrepreneur dealing in intelligence amplification technology whose mind is divided between his physical environment and the Internet; his daughter, Amber, on the run from her domineering mother, seeking her fortune in the outer system as an indentured astronaut; and Sirhan, Amber's son, who finds his destiny linked to the fate of all of humanity. For something is systematically dismantling the nine planets of the solar system. Something beyond human comprehension. Something that has no use for biological life in any form...*

*The search for a quantum theory of the gravitational field is one of the great open problems in theoretical physics. This book presents a self-contained discussion of the concepts, methods and applications that can be expected in such a theory. The two main approaches to its construction — the direct quantisation of Einstein's general theory of relativity and string theory — are covered. Whereas the first attempts to construct a viable theory for the gravitational field alone, string theory assumes that a quantum theory of gravity will be achieved only through a unification of all the interactions. However, both employ the general method of quantization of constrained systems, which is described together with illustrative examples relevant for quantum gravity. There is a detailed presentation of the main approaches employed in quantum general relativity: path-integral quantization, the background-field method and canonical quantum gravity in the metric, connection and loop formulations. The discussion of string theory centres around its quantum-gravitational aspects and the comparison with quantum general relativity. Physical applications discussed at length include the quantization of black holes, quantum cosmology, the indications of a discrete structure of spacetime, and the origin of irreversibility. This third edition contains new chapters or sections on quantum gravity phenomenology, Horava-Lifshitz quantum gravity, analogue gravity, the holographic principle, and affine quantum gravity. It will present updates on loop quantum cosmology, the LTB model, asymptotic safety, and various discrete approaches. The third edition also contains pedagogical extensions throughout the text. This book will be of interest to researchers and students working in relativity and gravitation, cosmology, quantum field theory and related topics. It will also be of interest to mathematicians and philosophers of science.*