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KEY=DSE - SHERLYN DICKSON

EUROPEAN INTEGRATION AND SPACE POLICY

A GROWING SECURITY DISCOURSE

Routledge This volume addresses developments in European space policy and its significance for European integration, using discourse theory as a framework. It seeks to address the developments in European space policy by examining several sensitive security questions linked in general with space activities, on the one hand, and the interplay between space policy and security policy in the European Union (EU) on the other. The book argues that defence and security matters should be studied for a better understanding of space projects in their historical, political, economic, legal and social context. The volume seeks to answer the following key questions: • What can space policy contribute to European identity formation and the integration process? • What are the interests of member states/EU institutions in space? • How is space policy perceived by European institutions, and how have they been engaged in the policy process to promote activity in space? • In which ways is the EU engaged in space, in terms of policy areas, e.g. foreign policy, industrial policy, security and defence policies? • What is the impact of institutions on the policy-making process in European space policy? This book will be of interest to students of EU policy, space policy, discourse studies and International Relations in general.

URBAN AGRICULTURE FOR GROWING CITY REGIONS

CONNECTING URBAN-RURAL SPHERES IN CASABLANCA

Routledge This book demonstrates how agriculture can play a determining role in integrated, climate-optimised urban development. Agriculture within urban growth centres today is more than an economic or social left-over or a niche practice. It is instead a complex system that offers multiple potentials for interaction with the urban system. Urban open space and agriculture can be linked to a productive green infrastructure - this forms new urban-rural linkages in the urbanizing region and helps shape the city. But in order to do this, agriculture has to be seen as an integral part of the urban fabric and it has to be put on the local agenda. Urban Agriculture for Growing City Regions takes the example of Casablanca, one of the fastest growing cities in North Africa, to investigate this approach. The creation of synergies between the urban and rural in an emerging megacity is demonstrated through pilot projects, design solutions, and multifunctional modules. These synergies assure greater resource efficiency; particularly regarding the use and reuse of water, and they strengthen regional food security and the social integration of multiple spheres. A transdisciplinary research approach brings together different scientific disciplines and local actors into a process of integrated knowledge production. The book will have a long lasting legacy and is essential reading for researchers, planners, practitioners and policy makers who are working on urban development and urban agricultural strategies.

BUDGETING FOR SUSTAINABILITY

AN APPROACH FOR AMERICAN POLICY-MAKING

McFarland "This book provides critical insights about how U.S. policymaking is likely to be imperiling America's future, and how only the most efficient and productive organizations and governments will reap globalization's greatest rewards. Twenty-seven common-good indicators are presented for assessing pre- and post-policymaking, aimed at providing maximum transparency and accountability"--

BIOSTATISTICS

A FOUNDATION FOR ANALYSIS IN THE HEALTH SCIENCES

Wiley The ability to analyze and interpret enormous amounts of data has become a prerequisite for success in allied healthcare and the health sciences. Now in its 11th edition, Biostatistics: A Foundation for Analysis in the Health Sciences continues to offer in-depth guidance toward biostatistical concepts, techniques, and practical applications in the modern healthcare setting. Comprehensive in scope yet detailed in coverage, this text helps students understand—and appropriately use—probability distributions, sampling distributions, estimation, hypothesis testing, variance analysis, regression, correlation analysis, and other statistical tools fundamental to the science and practice of medicine. Clearly-defined pedagogical tools help students stay up-to-date on new material, and an emphasis on statistical software allows faster, more accurate calculation while putting the focus on the underlying concepts rather than the math. Students develop highly relevant skills in inferential and differential statistical techniques, equipping them with the ability to organize, summarize, and interpret large bodies of data. Suitable for both graduate and advanced undergraduate coursework, this text retains the rigor required for use as a professional reference.

INCLUSIVE EDUCATION FOR THE 21ST CENTURY

THEORY, POLICY AND PRACTICE

Routledge Placing a student on the autism spectrum in a busy classroom with a pair of noise-cancelling headphones and an aide to deal with the inevitable meltdowns is often done in the name of 'inclusion', but this is integration and not inclusive. How can teachers and schools create genuinely inclusive classrooms that meet the needs of every student? Research evidence indicates the strategies that make schools inclusive for students with disability benefit all students. Yet many schools are still operating under twentieth-century models that disadvantage students, especially those with disability. Inclusive Education for the 21st Century provides a rigorous overview of the foundational principles of inclusive education, and the barriers to access and participation. It explores evidence-based strategies to support diverse learners, including specific changes in curriculum, pedagogy and assessment practices, and the use of data. It addresses the needs of children with physical, sensory and intellectual disabilities, as well as those with complex learning profiles, including mental health issues. With chapters from leading experts from Australia and the UK, Inclusive Education for the 21st Century addresses common issues in both primary and secondary schools. Underpinned throughout by research evidence, it is designed to assist educators to develop the deep knowledge required to make inclusive education a reality in all schools.

COMPUTATIONAL INTELLIGENCE, COMMUNICATIONS, AND BUSINESS ANALYTICS

FIRST INTERNATIONAL CONFERENCE, CICBA 2017, KOLKATA, INDIA, MARCH 24 - 25, 2017, REVISED SELECTED PAPERS, PART II

Springer The two volume set CCIS 775 and 776 constitutes the refereed proceedings of the First International Conference on Computational Intelligence, Communications, and Business Analytics, CICBA 2017, held in Kolkata, India, in March 2017. The 90 revised full papers presented in the two volumes were carefully reviewed and selected from 276 submissions. The papers are organized in topical sections on data science and advanced data analytics; signal processing and communications; microelectronics, sensors, intelligent networks; computational forensics (privacy and security); computational

intelligence in bio-computing; computational intelligence in mobile and quantum computing; intelligent data mining and data warehousing; computational intelligence.

RECOGNITION AND MANAGEMENT OF PESTICIDE POISONINGS (5TH ED.)

DIANE Publishing This 5th ed. is an update and expansion of the 1989 4th ed. This EPA manual provides health professionals with information on the health hazards of pesticides currently in use, and current consensus recommendations for management of poisonings and injuries caused by them. As with previous updates, this new ed. incorporates new pesticide products that are not necessarily widely known among health professionals. Contents: (1) General Information: Introduction; General Principles in the Management of Acute Pesticide Poisonings; Environmental and Occupational History; (2) Insecticides; (3) Herbicides; (4) Other Pesticides; (5) Index of Signs and Symptoms; Index of Pesticide Products. Charts and tables.

DIGITAL CULTURAL HERITAGE

FINAL CONFERENCE OF THE MARIE SKŁODOWSKA-CURIE INITIAL TRAINING NETWORK FOR DIGITAL CULTURAL HERITAGE, ITN-DCH 2017, OLIMJE, SLOVENIA, MAY 23-25, 2017, REVISED SELECTED PAPERS

Springer This book constitutes the refereed post-conference proceedings of the Final Conference of the Marie Skłodowska-Curie Initial Training Network for Digital Cultural Heritage, held in Olimje, Slovenia, in May 2017. The 29 revised full papers included in this volume were carefully reviewed and selected from 198 submissions. They focus on interdisciplinary and multi-disciplinary research concerning cutting edge cultural heritage informatics, -physics, -chemistry and -engineering and the use of technology for the representation, documentation, archiving, protection, preservation and communication of cultural heritage knowledge.

NATO GLOSSARY OF TERMS AND DEFINITIONS

CreateSpace NATO Glossary of terms and definitions (English and French). Listing terms of military significance and their definitions for use in NATO.

OPERATOR THEORY WITH A RANDOM POTENTIAL, AND SOME QUESTIONS OF STATISTICAL PHYSICS

COLLECTION OF PAPERS

American Mathematical Soc. This collection is devoted to problems of operator theory with a random potential and a number of problems of statistical physics. For the Schrodinger operator with a potential randomly depending on time, mean wave operators, and the mean scattering operator are computed, and it is shown that the averaged dynamics behaves like free dynamics in the limit of infinite time. Results of applying the method of functional integration to some problems of statistical physics are presented: the theory of systems with model Hamiltonians and their dynamics, ferromagnetic systems of spin 1/2, Coulomb and quantum crystals. This collection is intended for specialists in spectral theory and statistical physics.

PRINT WORKSHOP

Potter Craft This is a book for low budgets and high ambition. Read it and you will learn how to put images of things onto other things. You will start by rolling up your sleeves. Your shirt will be stained anyways. At some point, you will harness the power of the sun. Go ahead, look inside. You will see that you do not need a fancy studio to print a T-shirt or a picnic blanket. There is no specialized machine required to print anything you want in any room you want. A mural, a dartboard, a deck of cards, these are all possible. In a week or a month, you will wake up to find you know words like acetate and substrate. You will be comfortable talking about ink and shopping at military supply stores. Perhaps most important of all, you will be printing images of things onto other things.

DEPARTMENT OF DEFENSE DICTIONARY OF MILITARY AND ASSOCIATED TERMS

MICROECONOMETRICS

METHODS AND APPLICATIONS

Cambridge University Press This book provides the most comprehensive treatment to date of microeconomics, the analysis of individual-level data on the economic behavior of individuals or firms using regression methods for cross section and panel data. The book is oriented to the practitioner. A basic understanding of the linear regression model with matrix algebra is assumed. The text can be used for a microeconomics course, typically a second-year economics PhD course; for data-oriented applied microeconomics field courses; and as a reference work for graduate students and applied researchers who wish to fill in gaps in their toolkit. Distinguishing features of the book include emphasis on nonlinear models and robust inference, simulation-based estimation, and problems of complex survey data. The book makes frequent use of numerical examples based on generated data to illustrate the key models and methods. More substantially, it systematically integrates into the text empirical illustrations based on seven large and exceptionally rich data sets.

CODE OF FEDERAL REGULATIONS

2000-

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

UNEXPLORED CONDITIONS OF CHARTER SCHOOL PRINCIPALS

AN EXAMINATION OF THE ISSUES AND CHALLENGES FOR LEADERS

Rowman & Littlefield Unexplored Conditions of Charter School Principals: An Examination of the Issues and Challenges for Leaders, explores contemporary policy issues confronting charter school principals. The purpose of this book is to explore the issues and challenges confronted by charter school principals across an array of goals and expectations set forth by the policy and local context. By drawing on leadership and policy experts and researchers, we offer an in-depth examination of what current issues charter school principals face. Starting with autonomy, we work our way through teacher evaluation and succession and socialization and then conclude with an opportunity to reflect on what we know and how to look forward. By drawing on autonomy, sensemaking, teacher evaluations, and succession and socialization, this book traces the development of the charter principal within these policy contexts. Collectively, these topics form the beginnings of what we hope will be an informative and useful conversation of where the charter school principal has been and where they are headed.

INTELLIGENCE AND THE CUBAN MISSILE CRISIS

Routledge This is the first study to examine thoroughly the role of US, Soviet and Cuban Intelligence in the nuclear crisis of 1962 - the closest the world has come to Armageddon.

PILGRIM AT TINKER CREEK

Harper Collins Winner of the Pulitzer Prize "The book is a form of meditation, written with headlong urgency, about seeing. . . . There is an ambition about her book that I like. . . . It is the ambition to feel." — Eudora Welty, New York Times Book Review Pilgrim at Tinker Creek is the story of a dramatic year in Virginia's Roanoke Valley, where Annie Dillard set out to chronicle incidents of "beauty tangled in a rapture with violence." Dillard's personal narrative highlights one year's exploration on foot in the Virginia region through which Tinker Creek runs. In the summer, she stalks muskrats in the creek

and contemplates wave mechanics; in the fall, she watches a monarch butterfly migration and dreams of Arctic caribou. She tries to con a coot; she collects pond water and examines it under a microscope. She unties a snake skin, witnesses a flood, and plays King of the Meadow with a field of grasshoppers. The result is an exhilarating tale of nature and its seasons.

FROM CATASTROPHE TO CHAOS: A GENERAL THEORY OF ECONOMIC DISCONTINUITIES

Springer Science & Business Media "Now, however, we face an Age of Discontinuity in world economy and technology. We might succeed in making it an age of great economic growth as well. But the one thing that is certain so far is that it will be a period of change-in technology and in economic policy, in industry structures and in economic theory, in the knowledge needed to govern and manage, and in economic issues. While we have been busy finishing the great nineteenth-century economic edifice, the foundations have shifted beneath our feet." Peter F. Drucker, 1968 *The Age of Discontinuity*, p. 10 This project has had a long gestation period, probably ultimately dating to a youthful obsession with watershed divides and boundaries. My awareness of the problem of discontinuity in economics dates to my first encounter with the capital theory paradoxes in the late 1960s, the fruits of which can be seen in Chapter 8 of this book. This awareness led to a frustration over the apparent lack of a mathematics of discontinuity, a lack that was in the process of rapidly being overcome at that time.

MOSTLY HARMLESS ECONOMETRICS

AN EMPIRICIST'S COMPANION

Princeton University Press In addition to econometric essentials, this book covers important new extensions as well as how to get standard errors right. The authors explain why fancier econometric techniques are typically unnecessary and even dangerous.

THE INTERNATIONAL HANDBOOK OF EDUCATIONAL RESEARCH IN THE ASIA-PACIFIC REGION

Springer Science & Business Media The aim of the Handbook is to present readily accessible, but scholarly sources of information about educational research in the Asia-Pacific region. The scale and scope of the Handbook is such that the articles included in it provide substantive contributions to knowledge and understanding of education in the Asia region. In so doing, the articles present the problems and issues facing education in the region and the findings of research conducted within the region that contribute to the resolution of these problems and issues. Moreover, since new problems and issues are constantly arising, the articles in the Handbook also indicate the likely directions of future developments. The different articles within the Handbook seek to conceptualize the problems in each specific content area under review, provide an integration of the research conducted within that area, the theoretical basis of the research the practical implications of the research and the contribution of the research towards the resolution of the problems identified. Thus, the articles do not involve the reporting of newly conducted research, but rather require a synthesis of the research undertaken in a particular area, with reference to the research methods employed and the theoretical frameworks on which the research is based. In general, the articles do not advocate a single point of view, but rather, present alternative points of view and comment on the debate and disagreements associated with the conduct and findings of the research. Furthermore, it should be noted, that the Handbook is not concerned with research methodology, and only considers the methods employed in inquiry in so far as the particular methods of research contribute to the effective investigation of problems and issues that have arisen in the conduct and provision of education at different levels within the region.

IBM TIVOLI DIRECTORY SERVER FOR z/OS

IBM Redbooks This IBM® Redbooks® publication examines the IBM Tivoli® Directory Server for z/OS®. IBM Tivoli Directory Server is a powerful Lightweight Directory Access Protocol (LDAP) infrastructure that provides a foundation for deploying comprehensive identity management applications and advanced software architectures. This publication provides an introduction to the IBM Tivoli Directory Server for z/OS that provides a brief summary of its features and a examination of the possible deployment topologies. It discusses planning a deployment of IBM Tivoli Directory Server for z/OS, which includes prerequisites, planning considerations, and data stores, and provides a brief overview of the configuration process. Additional chapters provide a detailed discussion of the IBM Tivoli Directory Server for z/OS architecture that examines the supported back ends, discusses in what scenarios they are best used, and provides usage examples for each back end. The discussion of schemas breaks down the schema and provides guidance on extending it. A broad discussion of authentication, authorization, and security examines the various access protections, bind mechanisms, and transport security available with IBM Tivoli Directory Server for z/OS. This chapter also provides an examination of the new Password Policy feature. Basic and advanced replication topologies are also covered. A discussion on plug-ins provides details on the various types of plug-ins, the plug-in architecture, and creating a plug-in, and provides an example plug-in. Integration of IBM Tivoli Directory Server for z/OS into the IBM Workload Manager environment is also covered. This publication also provides detailed information about the configuration of IBM Tivoli Directory Server for z/OS. It discusses deploying IBM Tivoli Directory Server for z/OS on a single system, with examples of configuring the available back ends. Configuration examples are also provided for deploying the server in a Sysplex, and for both basic and advanced replication topologies. Finally it provides guidance on monitoring and debugging IBM Tivoli Directory Server for z/OS.

NUMERICAL METHODS IN CONTACT MECHANICS

John Wiley & Sons Computational contact mechanics is a broad topic which brings together algorithmic, geometrical, optimization and numerical aspects for a robust, fast and accurate treatment of contact problems. This book covers all the basic ingredients of contact and computational contact mechanics: from efficient contact detection algorithms and classical optimization methods to new developments in contact kinematics and resolution schemes for both sequential and parallel computer architectures. The book is self-contained and intended for people working on the implementation and improvement of contact algorithms in a finite element software. Using a new tensor algebra, the authors introduce some original notions in contact kinematics and extend the classical formulation of contact elements. Some classical and new resolution methods for contact problems and associated ready-to-implement expressions are provided. Contents: 1. Introduction to Computational Contact. 2. Geometry in Contact Mechanics. 3. Contact Detection. 4. Formulation of Contact Problems. 5. Numerical Procedures. 6. Numerical Examples. About the Authors Vladislav A. Yastrebov is a postdoctoral fellow in Computational Solid Mechanics at MINES ParisTech in France. His work in computational contact mechanics was recognized by the CSMA award and by the Prix Paul Caseau of the French Academy of Technology and Electricité de France.

THE IMPACT OF CLIMATIC VARIATIONS ON AGRICULTURE

VOLUME 1: ASSESSMENT IN COOL TEMPERATE AND COLD REGIONS

Springer Science & Business Media Three important studies were initiated in the 1970s to investigate the relationship between climatic variations and agriculture: by the National Defense University (1980) on Crop Yields and Climate Change to the Year 2000, by the U.S. Department of Transportation (1975) on Impacts of Climatic Change on the Biosphere and by the U.S. Department of Energy (1980) on Environmental and Societal Consequences of a Possible CO₂-Induced Climatic Change (the CIAP 2 study). These were pioneering projects in a young field. Their emphasis was on measuring likely impacts of climatic variations rather than on evaluating possible responses, and they focused on first-order impacts (e.g., on crop yields) rather than on higher-order effects on society. A logical next step was to look at higher-order effects and potential responses, as part of a more integrated approach to impact assessment. This was undertaken by the World Climate Impact Program (WCIP), which is directed by the United Nations Environment Program (UNEP). The WCIP is one of four aspects of the World Climate Program that was initiated in 1979. At a meeting in 1982, the Scientific Advisory Committee of WCIP accepted, in broad terms, a proposal from the International Institute for Applied Systems Analysis (IIASA) for an integrated climate impact assessment, with the proviso that the emphasis be on impacts in the agricultural sector. Martin Parry was asked to design and direct the project at IIASA. Funding was provided by UNEP, IIASA, the Austrian Government and the United Nations University.

STANDING ON THE EDGE OF TIME

CIVIL WAR 1862: CRISIS IN THE WEST

AuthorHouse Robert Jarman lived in Hempstead County, in what was known as the "wilds of Arkansas." Hearing of the war coming to Arkansas, Robert and his three friends soon joined the 4th Arkansas Infantry, Confederate States of America, having to leave their families and sweethearts behind. The war took the four friends through the battles of Elkhorn Tavern (Pea Ridge) in Arkansas; Farmington, Mississippi; Richmond, Kentucky; and Murfreesboro, Tennessee (Stones River), all in 1862. Having volunteered to defend their homes in Arkansas, they ended up fighting their first four battles in four different states. Standing on the Edge of Time brings out the many hardships and the suffering the soldiers endured on the campaigns and long marches sometimes through the worst weather conditions. Hundreds of historical facts are included, giving a unique view of the Civil War as rarely seen.

LANGUAGE USE IN RURAL DEVELOPMENT

AN AFRICAN PERSPECTIVE

Walter de Gruyter *CONTRIBUTIONS TO THE SOCIOLOGY OF LANGUAGE* brings to students, researchers and practitioners in all of the social and language-related sciences carefully selected book-length publications dealing with sociolinguistic theory, methods, findings and applications. It approaches the study of language in society in its broadest sense, as a truly international and interdisciplinary field in which various approaches, theoretical and empirical, supplement and complement each other. The series invites the attention of linguists, language teachers of all interests, sociologists, political scientists, anthropologists, historians etc. to the development of the sociology of language.

SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

COUPLED PHENOMENA IN ENVIRONMENTAL GEOTECHNICS

CRC Press *Environmental Geotechnics* deals with a wide variety of applications, such as the characterization of polluted sites and landfill waste, the design of containment systems for subsoil pollutant control, radioactive waste disposal, geo-energy exploitation and bacteria-driven soil modification, among others. Reliable and effective predictions of the ac

PATHS TO VICTORY

LESSONS FROM MODERN INSURGENCIES

Rand Corporation *When a country is threatened by an insurgency, what efforts give its government the best chance of prevailing? Contemporary discourse on this subject is voluminous and often contentious. Advice for the counterinsurgent is often based on little more than common sense, a general understanding of history, or a handful of detailed examples, instead of a solid, systematically collected body of historical evidence. A 2010 RAND study challenged this trend with rigorous analyses of all 30 insurgencies that started and ended between 1978 and 2008. This update to that original study expanded the data set, adding 41 new cases and comparing all 71 insurgencies begun and completed worldwide since World War II. With many more cases to compare, the study was able to more rigorously test the previous findings and address critical questions that the earlier study could not. For example, it could examine the approaches that led counterinsurgency forces to prevail when an external actor was involved in the conflict. It was also able to address questions about timing and duration, such as which factors affect the duration of insurgencies and the durability of the resulting peace, as well as how long historical counterinsurgency forces had to engage in effective practices before they won. A companion volume, *Paths to Victory: Detailed Insurgency Case Studies*, offers in-depth narrative overviews of each of the 41 additional cases; the original 30 cases are presented in *Victory Has a Thousand Fathers: Detailed Counterinsurgency Case Studies*.*

FINANCIAL RISK MODELLING AND PORTFOLIO OPTIMIZATION WITH R

John Wiley & Sons *Financial Risk Modelling and Portfolio Optimization with R, 2nd Edition* Bernhard Pfaff, Invesco Global Asset Allocation, Germany A must have text for risk modelling and portfolio optimization using R. This book introduces the latest techniques advocated for measuring financial market risk and portfolio optimization, and provides a plethora of R code examples that enable the reader to replicate the results featured throughout the book. This edition has been extensively revised to include new topics on risk surfaces and probabilistic utility optimization as well as an extended introduction to R language. *Financial Risk Modelling and Portfolio Optimization with R: Demonstrates techniques in modelling financial risks and applying portfolio optimization techniques as well as recent advances in the field. Introduces stylized facts, loss function and risk measures, conditional and unconditional modelling of risk; extreme value theory, generalized hyperbolic distribution, volatility modelling and concepts for capturing dependencies. Explores portfolio risk concepts and optimization with risk constraints. Is accompanied by a supporting website featuring examples and case studies in R. Includes updated list of R packages for enabling the reader to replicate the results in the book. Graduate and postgraduate students in finance, economics, risk management as well as practitioners in finance and portfolio optimization will find this book beneficial. It also serves well as an accompanying text in computer-lab classes and is therefore suitable for self-study.*

BRADSTREET'S

DETERMINANTS OF STOCK PRICES

THE CASE OF ZIMBABWE

International Monetary Fund *This paper examines the general relationship between stock prices and macroeconomic variables in Zimbabwe, using the revised dividend discount model, error-correction model, and multi-factor return-generating model. Despite the large fluctuation in stock prices since 1991, this analysis indicates that the Zimbabwe Stock Exchange has been functioning quite consistently during this period. Whereas sharp increases in stock prices during 1993-94 were mainly due to the shift of risk premium that was caused by the partial capital account liberalization, the recent rapid increase in stock prices can be explained by the movements of monetary aggregates and market interest rates.*

GLOBAL RE-INTRODUCTION PERSPECTIVES: 2013 : FURTHER CASE-STUDIES FROM AROUND THE GLOBE

"*This is the fourth issue in the Global Re-introduction Perspectives series and has been produced in the same standardized format as the previous three to maintain the style and quality. The casestudies are arranged in the following order: Introduction, Goals, Success Indicators, Project Summary, Major Difficulties Faced, Major Lessons Learned, Success of Project with reasons for success or failure. For the first issue I managed to collect 62 casestudies, the second issue 72 case-studies, the third issue 50 casestudies and this one 52 case-studies. These case studies in this issue cover the following taxa as follows: Invertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Plants... We hope the information presented in this book will provide a broad global perspective on challenges facing re-introduction projects trying to restore biodiversity.*"--Pritpal S. Sooraa.

ROOT ECOLOGY

Springer Science & Business Media *In the course of evolution, a great variety of root systems have learned to overcome the many physical, biochemical and biological problems brought about by soil. This development has made them a fascinating object of scientific study. This volume gives an overview of how roots have adapted to the soil environment and which roles they play in the soil ecosystem. The text describes the form and function of roots, their temporal and spatial distribution, and their turnover rate in various ecosystems. Subsequently, a physiological background is provided for basic functions, such as carbon acquisition, water and solute movement, and for their responses to three major abiotic stresses, i.e. hard soil structure, drought and flooding. The volume concludes with the interactions of roots with other organisms of the complex soil ecosystem, including symbiosis, competition, and the function of roots as a food source.*

SOLAR ENERGY INDEX

THE ARIZONA STATE UNIVERSITY SOLAR ENERGY COLLECTION

Elsevier *Solar Energy Index* is an index of resources dealing with solar energy, including archival materials from the International Solar Energy Society collection; references to articles in major solar journals; patents and pamphlets; National Technical Information Service reports; unbound conference proceedings; and other assorted reports. Both theoretical and "how-to-do-it" publications are well represented. This book places particular emphasis on terrestrial solar thermal and photovoltaic applications of solar energy. Subjects are classified according to physics, terrestrial wind, collectors, space heating and cooling, economics, materials, distillation, thermal-electric power systems, photoelectricity, solar furnaces, cooking, biological applications, water heaters, photochemistry, energy storage, mechanical devices, evaporation, sea power, space flight applications, and industrial applications.

Topics covered range from wind energy and bioconversion to ocean thermal energy conversion, heliohydroelectric power plants, solar cells, turbine generation systems, thermionic converters, batteries and fuel cells, and pumps and engines. This monograph will be of interest to government officials and policymakers concerned with solar energy.

TEAM-BASED LEARNING FOR HEALTH PROFESSIONS EDUCATION

A GUIDE TO USING SMALL GROUPS FOR IMPROVING LEARNING

Stylus Publishing, LLC Education in the health professions is placing greater emphasis on "active" learning—learning that requires applying knowledge to authentic problems; and that teaches students to engage in the kind of collaboration that is expected in today's clinical practice. Team-Based Learning (TBL) is a strategy that accomplishes these goals. It transforms passive, lecture-based coursework into an environment that promotes more self-directed learning and teamwork, and makes the classroom come "alive." This book is an introduction to TBL for health profession educators. It outlines the theory, structure, and process of TBL, explains how TBL promotes problem solving and critical thinking skills, aligns with the goals of science and health courses, improves knowledge retention and application, and develops students as professional practitioners. The book provides readers with models and guidance on everything they need to know about team formation and maintenance; peer feedback and evaluation processes, and facilitation; and includes a directory of tools and resources. The book includes chapters in which instructors describe how they apply TBL in their courses. The examples range across undergraduate science courses, basic and clinical sciences courses in medical, sports medicine and nursing education, residencies, and graduate nursing programs. The book concludes with a review and critique of the current scholarship on TBL in the health professions, and charts the needs for future research.

OPTICAL PROPERTIES OF SOLIDS

Academic Press Optical Properties of Solids covers the important concepts of intrinsic optical properties and photoelectric emission. The book starts by providing an introduction to the fundamental optical spectra of solids. The text then discusses Maxwell's equations and the dielectric function; absorption and dispersion; and the theory of free-electron metals. The quantum mechanical theory of direct and indirect transitions between bands; the applications of dispersion relations; and the derivation of an expression for the dielectric function in the self-consistent field approximation are also encompassed. The book further tackles current-current correlations; the fluctuation-dissipation theorem; and the effect of surface plasmons on optical properties and photoemission. People involved in the study of the optical properties of solids will find the book invaluable.

MORPHOLOGY AND COMPUTATION

MIT Press This book provides the first broad yet thorough coverage of issues in morphological theory. This book provides the first broad yet thorough coverage of issues in morphological theory. It includes a wide array of techniques and systems in computational morphology (including discussion of their limitations), and describes some unusual applications. Sproat motivates the study of computational morphology by arguing that a computational natural language system, such as a parser or a generator, must incorporate a model of morphology. He discusses a range of applications for programs with knowledge of morphology, some of which are not generally found in the literature. Sproat then provides an overview of some of the basic descriptive facts about morphology and issues in theoretical morphology and (lexical) phonology, as well as psycholinguistic evidence for human processing of morphological structure. He takes up the basic techniques that have been proposed for doing morphological processing and discusses at length various systems (such as DECOMP and KIMMO) that incorporate part or all of those techniques, pointing out the inadequacies of such systems from both a descriptive and a computational point of view. He concludes by touching on interesting peripheral areas such as the analysis of complex nominals in English, and on the main contributions of Rumelhart and McClelland's connectionism to the computational analysis of words.

AFRICAN CAPITAL MARKETS: CHALLENGES AND OPPORTUNITIES

CFA Institute Research Foundation Africa encompasses a wide range of market conditions, from rapidly emerging economies to countries with a long history with financial markets. Produced in partnership with the African Securities Exchanges Association, this collection of essays includes the perspectives of authors in local markets who provide their analysis of the history, current developments, and future outlook for South Africa, Nigeria, Mauritius, Ghana, Zimbabwe, Morocco, Egypt, Botswana, and East Africa. For prospective investors, the book provides valuable insights on how changing regulation, evolving financial technology, and expanding investor access are transforming local markets on the continent.

THE SAGE HANDBOOK OF SPECIAL EDUCATION

TWO VOLUME SET

SAGE The second edition of The SAGE Handbook of Special Education provides a comprehensive overview of special education, offering a wide range of views on key issues from all over the world. The contributors bring together up-to-date theory, research and innovations in practice, with an emphasis on future directions for the role of special education in a global context of inclusion. This brand new edition features: " New chapters on families, interagency collaboration and issues of lifelong learning " The UN Convention on the Rights of Persons with Disabilities " Policy reform proposals " Equity and social justice in education " The impact of new thinking on assessment " Issues and developments in classification " The preparation and qualifications that teachers need The Handbook's breadth, clarity and academic rigour will make it essential reading for researchers and postgraduate students, and also for practitioners, teachers, school managers and administrators.

DIE INNENWELT DER ÖKONOMIE

WISSEN, MACHT UND PERFORMATIVITÄT IN DER WIRTSCHAFTSWISSENSCHAFT

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