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Contemporary Computing 5th International Conference, IC3 2012, Noida, India, August 6-8, 2012. Proceedings Springer This volume constitutes the refereed proceedings of the 5th International Conference on Contemporary Computing, IC3 2010, held in Noida, India, in August 2011. The 42 revised full papers presented together with 7 short papers were carefully reviewed and selected from 162 submissions. The papers are organized in topical sections on: algorithm; applications; systems (hardware and software); biomedical informations; poster papers. **Tectonics and Structural Geology: Indian Context** Springer This book presents a compilation of findings, review and original works, on the tectonic evolution and structural detail of several terrains in India. It captures the tectonic diversity of the Indian terrain, including tectonics of India's coastal areas, the tectonic evolution of Gondwana and Proterozoic (Purana) basins. It also describes the research results of the Indian craton's geo-history, Tertiary Bengal basin, and also the Himalayan collisional zone. Thus the book covers the deformation history of Indian terrain involving strike slip, compressional and extensional tectonics, and ductile and brittle shear deformations. **Handbook of Research on Human Factors in Contemporary Workforce Development** IGI Global The development of any organization is deeply connected with the influences of its employees. By implementing new competencies in the workforce, both the employees and the business overall can thrive. The Handbook of Research on Human Factors in Contemporary Workforce Development is a pivotal source for the latest scholarly perspectives on social aspects and employee influences on modern business environments. Including a range of topics such as gender diversity, performance appraisal, and job satisfaction, this publication is an ideal reference for academics, professionals, students, and practitioners seeking content on optimizing development in contemporary organizations. **Indian Books in Print Elements of Modern Physics** Springer Nature This book covers important concepts and applications of contemporary physics. The book emphasizes logical development of the subject and attempts to maintain rigor in the analytical discussions. The text has been presented in a concise and lucid manner. A modern description of properties and interaction of particle is given along with discussions on topics such as cosmology, laser and applications. The concepts are illustrated by numerous worked examples. Selected problems given at the end of each chapter help students to evaluate their skills. The book with its simple style, comprehensive and up-to-date coverage is highly useful for physics students. The detailed coverage and pedagogical tools make this an ideal book also for the engineering students studying core courses in physics. **Structural Geology Fundamentals and Modern Developments** Pergamon Presents a comprehensive and up-to-date account of the fundamental aspects of structural geology, emphasising both classical concepts and modern developments. A detailed account of the techniques of geometrical analysis is provided, giving a sound background to principles of geological deformation and in-depth analysis of mechanisms of formation of geological structures. Many new features are included such as detailed discussions on rotation of rigid inclusions and passive markers, boudinage (including chocolate tablet boudins, foliation boudins and shear fracture boudins), structural implications of basement-cover relations and time-relation between crystallation and deformation. The book presents the methods of structural analysis from microscopic to map scale, describes modern techniques used in field and laboratory and offers a balanced picture of modern structural geology as it emerges from combined field, experimental and theoretical studies. **Fundamental Neuroscience** Academic Press Fundamental Neuroscience, 3rd Edition introduces graduate and upper-level undergraduate students to the full range of contemporary neuroscience. Addressing instructor and student feedback on the previous edition, all of the chapters are rewritten to make this book more concise and student-friendly than ever before. Each chapter is once again heavily illustrated and provides clinical boxes describing experiments, disorders, and methodological approaches and concepts. Capturing the promise and excitement of this fast-moving field, Fundamental Neuroscience, 3rd Edition is the text that students will be able to reference throughout their neuroscience careers! New to this edition: 30% new material including new chapters on Dendritic Development and Spine Morphogenesis, Chemical Senses, Cerebellum, Eye Movements, Circadian Timing, Sleep and Dreaming, and Consciousness Additional text boxes describing key experiments, disorders, methods, and concepts Multiple model system coverage beyond rats, mice, and monkeys Extensively expanded index for easier referencing **Self-healing Materials Fundamentals, Design Strategies, and Applications** John Wiley & Sons The book covers self-healing concepts for all important material classes and their applications: polymers, ceramics, non-metallic and metallic coatings, alloys, nanocomposites, concretes and cements, as well as ionomers. Beginning with the inspiration from biological self-healing, its mimicry and conceptual transfer into approaches for the self-repair of artificially created materials, this book explains the strategies and mechanisms for the readers' basic understanding, then covers the different material classes and suitable self-healing concepts, giving examples for their application in practical situations. As the first book in this swiftly growing research field, it is of great interest to readers from many scientific and engineering disciplines, such as physics and chemistry, civil, architectural, mechanical, electronics and aerospace engineering. **Handbook of Alternative Theories of Economic Development** Edward Elgar Publishing The Handbook of Alternative Theories of Economic Development explores the theories and approaches which, over a prolonged period of time, have existed as viable alternatives to today's mainstream and neo-classical tenets. With a total of 40 specially commissioned chapters, written by the foremost authorities in their respective fields, this volume represents a landmark in the field of economic development. It elucidates the richness of the alternative and sometimes misunderstood ideas which, in different historical contexts, have proved to be vital to the improvement of the human condition. The subject matter is approached from several complementary perspectives. From a historical angle, the Handbook charts the mercantilist and cameralist theories that emerged from the Renaissance and developed further during the Enlightenment. From a geographical angle, it includes chapters on African, Chinese, Indian, and Muslim approaches to economic development. Different schools are also explored and discussed including nineteenth century US development theory, Marxist, Schumpeterian, Latin American structuralism, regulation theory and world systems theories of development. In addition, the Handbook has chapters on important events and institutions including The League of Nations, The Havana Charter, and UNCTAD, as well as on particularly influential development economists. Contemporary topics such as the role of finance, feminism, the agrarian issue, and ecology and the environment are also covered in depth. This comprehensive Handbook offers an unrivalled review and analysis of alternative and heterodox theories of economic development. It should be read by all serious scholars, teachers and students of development studies, and indeed anyone interested in alternatives to development orthodoxy. **Essentials of Abnormal Psychology** Cengage Learning Fully integrating the DSM-5, Durand, Barlow, and Hofmann describe abnormal psychology through their standard-setting integrative approach – the most modern, scientifically valid method for studying the subject. Through this approach, students learn that psychological disorders are rarely caused by a single influence, but rooted in the interaction among multiple factors: biological, psychological, cultural, social, familial, and even political. A conversational writing style, consistent pedagogy, and real case profiles provide a realistic context for the scientific findings. This eighth edition highlights groundbreaking updates to research findings and the latest innovations in the treatment of mental disorders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **Carbon Dioxide Capture and Storage Special Report of the Intergovernmental Panel on Climate Change** Cambridge University Press IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers. **Patient Safety Culture Theory, Methods and Application** CRC Press How safe are hospitals? Why do some hospitals have higher rates of accident and errors involving patients? How can we accurately measure and assess staff attitudes towards safety? How can hospitals and other healthcare environments improve their safety culture and minimize harm to patients? These and other questions have been the focus of research within the area of Patient Safety Culture (PSC) in the last decade. More and more hospitals and healthcare managers are trying to understand the nature of the culture within their organisations and implement strategies for improving patient safety. The main purpose of this book is to provide researchers, healthcare managers and human factors practitioners with details of the latest developments within the theory and application of PSC within healthcare. It brings together contributions from the most prominent researchers and practitioners in the field of PSC and covers the background to work on safety culture (e.g. measuring safety culture in industries such as aviation and the nuclear industry), the dominant theories and concepts within PSC, examples of PSC tools, methods of assessment and their application, and details of the most prominent challenges for the future in the area. Patient Safety Culture: Theory, Methods and Application is essential reading for all of the professional groups involved in patient safety and healthcare quality improvement, filling an important gap in the current market. **The Pioneers of Development Economics Great Economists on Development** Zed Books A survey of the main influences on the development of modern development economics. **Catalog of Copyright Entries. Third Series 1966: January-June** Copyright Office, Library of Congress **Future of solar photovoltaic** International Renewable Energy Agency (IRENA) This study presents options to fully unlock the world's vast solar PV potential over the period until 2050. It builds on IRENA's global roadmap to scale up renewables and meet climate goals. **Microbial Secondary Metabolites: Recent Developments and Technological Challenges** Frontiers Media SA Research on microbes plays an essential role in the improvement of biotechnological and biomedical areas. It has turned into a subject of expanding significance as new organisms and their related biomolecules are being characterized for several applications in health and agriculture. Microbial biomolecules confer the ability of microbes to cope with a range of adverse conditions. However, these biomolecules have several advantages over the plant origin, which makes them a suitable target in drug discovery and development. The reasons could be that microbial sources can be genetically engineered to enhance the production of desired natural production by large-scale fermentation. The interaction between microbes and their biotic and abiotic environment is fundamental to numerous processes taking place in the biosphere. The natural environments and hosts of these microorganisms are extremely diverse being reflected by the fact that microbes are widespread and occur in nearly every biological community on Earth. This metabolic versatility makes microbes interesting objects for a range of economically important biotechnological applications. Most of the biotechniques are established but inefficient genetic engineering strategies are still a bottleneck for selected microbe producing industrial scale biomolecules. Therefore, untapped microbial biodiversity and related metabolomics, give a noteworthy wellspring of biologicals for the advancement of meds, immunizations, enhanced plants and for other natural applications. The present eBook volume contains articles on microbial secondary metabolites, microbial biosynthetic potential including biosynthetic gene expression, and metagenomics obtained from microorganism isolated unique from habitats like marine sources, endophytes, thermal springs, deserts, etc. **Indian Books An Annual Bibliography Applied Mechanics Reviews The Pioneers Of Development Economicsgreat Economists On Development** The history of modern economic thought associated with the emergence of industrial capitalism over two centuries ago was preoccupied with the question of economic transformation or development. This volume surveys important contributions to the economics of development by various economists, including many not normally considered as pioneers of development economics. The two chapters following the Introduction point to the role of imperialist considerations in the early economic thought influencing the development discourse. Hugh Goodacre underscores the role of such considerations in William Petty's early colonial development policies, while Utsa Patnaik exposes the fundamental fallacy in David Ricardo's influential theory of comparative advantage in international trade. Next, Mehdi Shafaeddin examines Friedrich List's mid-nineteenth-century infant industry argument, built on the pioneering work of the American founding father, Alexander Hamilton. Prabhat

Patnaik then highlights Karl Marx's major contributions to development economics. Utsa Patnaik assesses Vladimir Ilyich Lenin's careful treatment of the agrarian question in Russia, contrasting it with the neoclassical economic revival of Chayanov's populist analysis of peasantries. Renee Prendergast assesses Alfred Marshall's contributions to thinking on economic development, suggesting much greater nuance than normally attributed to the father of marginal economic analysis. Jayati Ghosh highlights the enduring significance of Michal Kalecki's political economic approach to the study of post-colonial economies. John Toye underscores the significance for development economics of several less well-known analytical contributions by John Maynard Keynes. Amiya Bagchi then suggests how Nicholas Kaldor advanced Keynesian insights to enhance understanding of economic development. Kari Polanyi Levitt highlights the developmental implications of Karl Polanyi's diverse contributions, as well as those of development economics pioneers Raúl Prebisch and Arthur Lewis. C.P. Chandrasekhar highlights Alexander Gerschenkron's novel insights for accelerating economic development from his study of economic history. Finally, Kunibert Raffer surveys Hans Singer's consistent advocacy of justice in economic development. Jomo K.S. was Professor in the Applied Economics Department, University of Malaysia, Kuala Lumpur, and Senior Visiting Research Fellow, Asia Research Institute, National University of Singapore, before joining the United Nations. **S S Bhatnagar on Science, Technology, and Development, 1938-54** Comprises addresses, essays, lectures, etc. of Indian scientist. **Back to Basics Economic Concepts Explained** International Monetary Fund This paper discusses about capitalism that is often thought of as an economic system in which private actors own and control property in accord with their interests, and demand and supply freely set prices in markets in a way that can serve the best interests of society. The essential feature of capitalism is the motive to make a profit. In a capitalist economy, capital assets—such as factories, mines, and railroads—can be privately owned and controlled, labor is purchased for money wages, capital gains accrue to private owners, and prices allocate capital and labor between competing uses. Although some form of capitalism is the basis for nearly all economies today, for much of the past century it was but one of two major approaches to economic organization. In the other, socialism, the state owns the means of production, and state-owned enterprises seek to maximize social good rather than profits. **The Royal Society Empire Scientific Conference, June-July 1946 Report** London : Royal Society of London **Soil Heavy Metals** Springer Science & Business Media Human activities have dramatically changed the composition and organisation of soils. Industrial and urban wastes, agricultural application and also mining activities resulted in an increased concentration of heavy metals in soils. How plants and soil microorganisms cope with this situation and the sophisticated techniques developed for survival in contaminated soils is discussed in this volume. The topics presented include: the general role of heavy metals in biological soil systems; the relation of inorganic and organic pollutions; heavy metal, salt tolerance and combined effects with salinity; effects on arbuscular mycorrhizal and on saprophytic soil fungi; heavy metal resistance by streptomycetes; trace element determination of environmental samples; the use of microbiological communities as indicators; phytostabilization of lead polluted sites by native plants; effects of soil earthworms on removal of heavy metals and the remediation of heavy metal contaminated tropical land. **Solutions Manual to Accompany Fundamentals of Engineering Thermodynamics Bandit Algorithms** Cambridge University Press A comprehensive and rigorous introduction for graduate students and researchers, with applications in sequential decision-making problems. **Essentials of Understanding Abnormal Behavior** Cengage Learning **ESSENTIALS OF UNDERSTANDING ABNORMAL BEHAVIOR**, 3rd Edition offers the same multidimensional focus, multicultural emphasis, topical coverage, and engaging style as its comprehensive counterpart -- UNDERSTANDING ABNORMAL BEHAVIOR -- in a condensed, student-friendly format. Updated to reflect DSM-5 and the newest scientific, psychological, multicultural, and psychiatric research, the text introduces and integrates the Multipath Model of Mental Disorders to explain how biological, psychological, social, and sociocultural factors interact to cause mental disorders. A focus on resilience highlights prevention and recovery from the symptoms of various disorders, and the book also continues its emphasis on the multicultural, sociocultural, and diversity aspects of abnormal psychology. The authors present material in a lively and engaging manner, connecting topics to real-world case studies, current events, and issues of particular importance and relevance to college students. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **The European Blood and Marrow Transplantation Textbook for Nurses Under the Auspices of EBMT** Springer This book is open access under a CC BY 4.0 license. This textbook, endorsed by the European Society for Blood and Marrow Transplantation (EBMT), provides adult and paediatric nurses with a full and informative guide covering all aspects of transplant nursing, from basic principles to advanced concepts. It takes the reader on a journey through the history of transplant nursing, including essential and progressive elements to help nurses improve their knowledge and benefit the patient experience, as well as a comprehensive introduction to research and auditing methods. This new volume specifically intended for nurses, complements the ESH-EBMT reference title, a popular educational resource originally developed in 2003 for physicians to accompany an annual training course also serving as an educational tool in its own right. This title is designed to develop the knowledge of nurses in transplantation. It is the first book of its kind specifically targeted at nurses in this specialist field and acknowledges the valuable contribution that nursing makes in this area. This volume presents information that is essential for the education of nurses new to transplantation, while also offering a valuable resource for more experienced nurses who wish to update their knowledge. **Globalization and the Third World A Study of Negative Consequences** Springer The impact of globalization on the world's developing economies is not conclusive: studies show conflicting conclusions to the same problems in the context of globalization in developing countries. It is this analytical inconclusiveness that is at the heart of this collection, which makes a fresh attempt to study the real impact of globalization. **Mapping the Sacred Religion, Geography and Postcolonial Literatures** Rodopi Interweaving the interpretative methods of religious studies, literary criticism and cultural geography, the essays in this volume focus on issues associated with the representation of place and space in the writing and reading of the postcolonial. The collection charts the ways in which contemporary writers extend and deepen our awareness of the ambiguities of economic, social and political relations implicated in "sacred space" - the sense of spiritual significance associated with those concrete locations in which adherents of different religious traditions, past and present, maintain a ritual sense of the sanctity of life and its cycles. Part I, "Land, Religion and Literature after Britain," explores how postcolonial writers dramatize the contested processes of colonization, resistance and decolonization by which lands and landscapes may be viewed as now sacred, now desacralized, now resacralized. Part II, "Sacred Landscapes and Postcoloniality across International Literatures," draws upon postcolonial theory to inquire into how contemporary fiction, drama and poetry represent themes of divine dispensation, dispossession and reclamation in regions as diverse as Haiti, Israel, Bosnia-Herzegovina, the Arctic, and the North American frontier. A critical "Afterword" considers the implications of such multi-disciplinary approaches to postcolonial literatures for present and future research in the field. Writers discussed in the essays include Russell Banks; James K. Baxter; Ursula Bethell; Erna Brodber; Marcus Clarke; Allen Curnow; Edwidge Danticat; Mak Dizdar; Sara Jeannette Duncan; Zee Edgell; "Grey Owl"; Haruki Murakami; Seamus Heaney; Peter Høeg; Hugh Hood; Janette Turner Hospital; James Houston; Dany Laferrière; B. Kojo Laing; Lee Kok Liang; K.S. Maniam; Mudrooroo; R.K. Narayan; Ngugi wa Thiong'o; Ben Okri; Chava Pinchas-Cohen; Mary Prince; Nancy Prince; Nayantara Sahgal; Ken Saro-Wiwa; Ibrahim Tahir; Amos Tutuola; W.D. Valgardson; Derek Walcott; and Rudy Wiebe. Maps accompany almost every essay. **The Origins of Development Economics How Schools of Economic Thought Have Addressed Development** Zed Books A history of the emergence of development economics as a distinct sub-discipline. **Maternal and Child Health Nursing Care of the Childbearing and Childrearing Family** Lippincott Williams & Wilkins Adele Pillitteri aims to ensure that today's students have a technical understanding, without losing the importance of compassion in their role as a nurse. The text presents pediatrics and maternity as a continuum of knowledge, taking a holistic approach and viewing maternity and pediatric content as a family event. The text links theory closely with application that helps students gain a deeper understanding of content and be better prepared to practice in their careers."--Provided by publisher. **Productivity Graphene Science Handbook Nanostructure and Atomic Arrangement** CRC Press Examines the Low Resistivity, High Mobility, and Zero Bandgap of Graphene The Graphene Science Handbook is a six-volume set that describes graphene's special structural, electrical, and chemical properties. The book considers how these properties can be used in different applications (including the development of batteries, fuel cells, photovoltaic cells, and supercapacitors based on graphene) and produced on a massive and global scale. Volume One: Fabrication Methods Volume Two: Nanostructure and Atomic Arrangement Volume Three: Electrical and Optical Properties Volume Four: Mechanical and Chemical Properties Volume Five: Size-Dependent Properties Volume Six: Applications and Industrialization This handbook describes the fabrication methods of graphene; the nanostructure and atomic arrangement of graphene; graphene's electrical and optical properties; the mechanical and chemical properties of graphene; the size effects in graphene, characterization, and applications based on size-affected properties; and the application and industrialization of graphene. Volume two is dedicated to nanostructure and atomic arrangement and covers: The potential applications of graphene heterostructures, particularly, graphene/h-BN heterostructures Atomic-scale defects in graphene and the huge impact they have on its low-energy electronic structure Recent findings on graphene plasmonics The storage of hydrogen between graphene and inside graphene-oxide frameworks (GOFs) The nitrogen contents, species, synthesis methods, and application on nitrogen-doped graphene Modification methods and applications of graphene and graphene oxide Phonon spectra and vibrational thermodynamic characteristics of graphene nanofilms The imaging of graphene by scanning electron microscopy (SEM) Advances in the formation of graphene-based three-dimensional (3D) architectures and more **Veterinary Herbal Medicine** Elsevier Health Sciences This full-color text and practical clinical reference provides comprehensive information on herbal remedies for both large and small animal species. Key coverage includes clinical uses of medicinal plants, specific information on how to formulate herbal remedies, a systems-based review of plant-based medicine, and in-depth information on the different animal species--dog, cat, avian and exotic, equine, food animal, and poultry. **Fundamentals of Quality Control and Improvement 2e** Custom Pub This book covers the foundations of modern methods of quality control and improvement that are used in the manufacturing and service industries. Quality is key to surviving tough competition. Consequently, business needs technically competent people who are well-versed in statistical quality control and improvement. This book should serve the needs of students in business and management and students in engineering, technology, and other related disciplines. Professionals will find this book to be a valuable reference in the field. **Finance & Development, September 2014** International Monetary Fund This chapter discusses various past and future aspects of the global economy. There has been a huge transformation of the global economy in the last several years. Articles on the future of energy in the global economy by Jeffrey Ball and on measuring inequality by Jonathan Ostry and Andrew Berg are also illustrated. Since the 2008 global crisis, global economists must change the way they look at the world. **Pregnancy Day By Day** Penguin The complete guide to pregnancy, day-by-day No other pregnancy book provides this level of detail, allied with such extraordinary photographs, 3D scans and illustrations which reveal in unprecedented clarity exactly what is happening to you and your baby every single day. From early fetal development to how your hormones prepare you for birth, learn from world-class experts. Plus, obstetricians, midwives and parents advise on your baby's development, medical matters, your changing body, diet, fitness and much more. A special hour-by-hour rundown of what to expect during and immediately after birth, plus further reassurance for the first two weeks of your baby's life, will give a helping hand through the culmination of your pregnancy, from pain relief to those first intimate and unique moments between you and your child. **Physiology of Crop Plants** Scientific Publishers This second edition of a text-book focused on crop physiology, reflects the many changes and expanded efforts have been made to facilitate the agronomist and the crop physiologist to integrate information, synthesize new levels of knowledge, and develop systems for problem solving. The emphasis is on two major purposes: to develop an understanding of the important principles underlying the practices used in the culture of crop plants and to develop the ability to apply these principles in production strategies. **Cumulated Index Medicus Ultrasound in Food Processing Recent Advances** John Wiley & Sons Part I: Fundamentals of ultrasound This part will cover the main basic principles of ultrasound generation and propagation and those phenomena related to low and high intensity ultrasound applications. The mechanisms involved in food analysis and process monitoring and in food process intensification will be shown. Part II: Low intensity ultrasound applications Low intensity ultrasound applications have been used for non-destructive food analysis as well as for process monitoring. Ultrasonic techniques, based on velocity, attenuation or frequency spectrum analysis, may be considered as rapid, simple, portable and suitable for on-line measurements. Although industrial applications of low-intensity ultrasound, such as meat carcass evaluation, have been used in the food industry for decades, this section will cover the most novel applications, which could be considered as highly relevant for future application in the food industry. Chapters addressing this issue will be divided into three subsections: (1) food control, (2) process monitoring, (3) new trends. Part III: High intensity ultrasound applications High intensity ultrasound application constitutes a way to intensify many food processes. However, the efficient generation and application of ultrasound is essential to achieving a successful effect. This part of the book will begin with a chapter dealing with the importance of the design of efficient ultrasonic application systems. The medium is essential to achieve efficient transmission, and for that reason the particular challenges of applying ultrasound in different media will be addressed. The next part of this section constitutes an up-to-date vision of the use of high intensity ultrasound in food processes. The chapters will be divided into four sections, according to the medium in which the ultrasound vibration is transmitted from the transducers to the product being treated. Thus, solid, liquid, supercritical and gas media have been used for ultrasound propagation. Previous books addressing ultrasonic applications in food processing have been based on the process itself, so chapters have

been divided in mass and heat transport, microbial inactivation, etc. This new book will propose a revolutionary overview of ultrasonic applications based on (in the authors' opinion) the most relevant factor affecting the efficiency of ultrasound applications: the medium in which ultrasound is propagated. Depending on the medium, ultrasonic phenomena can be completely different, but it also affects the complexity of the ultrasonic generation, propagation and application. In addition, the effect of high intensity ultrasound on major components of food, such as proteins, carbohydrates and lipids will be also covered, since this type of information has not been deeply studied in previous books. Other aspects related to the challenges of food industry to incorporate ultrasound devices will be also considered. This point is also very important since, in the last few years, researchers have made huge efforts to integrate fully automated and efficient ultrasound systems to the food production lines but, in some cases, it was not satisfactory. In this sense, it is necessary to identify and review the main related problems to efficiently produce and transmit ultrasound, scale-up, reduce cost, save energy and guarantee the production of safe, healthy and high added value foods.