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Wearable Robots José L. Pons 2008-04-15 A wearable robot is a mechatronic system that is designed around the shape and function of the human body, with segments and joints corresponding to those of the person it is externally coupled with. Teleoperation and power amplification were the first applications, but after recent technological advances the range of application fields has widened. Increasing recognition from the scientific community means that this technology is now employed in telemanipulation, man-amplification, neuromotor control research and rehabilitation, and to assist with impaired human motor control. Logical in structure and original in its global orientation, this volume gives a full overview of wearable robotics, providing the reader with a complete understanding of the key applications and technologies suitable for its development. The main topics are demonstrated through two detailed case studies; one on a lower limb active orthosis for a human leg, and one on a wearable robot that suppresses upper limb tremor. These examples highlight the difficulties and potentialities in this area of technology, illustrating how design decisions should be made based on these. As well as discussing the cognitive interaction between human and robot, this comprehensive text also covers: the mechanics of the wearable robot and it's biomechanical interaction with the user, including state-of-the-art technologies that enable

sensory and motor interaction between human (biological) and wearable artificial (mechatronic) systems; the basis for bioinspiration and biomimeticism, general rules for the development of biologically-inspired designs, and how these could serve recursively as biological models to explain biological systems; the study on the development of networks for wearable robotics. Wearable Robotics: Biomechatronic Exoskeletons will appeal to lecturers, senior undergraduate students, postgraduates and other researchers of medical, electrical and bio engineering who are interested in the area of assistive robotics. Active system developers in this sector of the engineering industry will also find it an informative and welcome resource.

Discrete Networked Dynamic Systems Magdi S. Mahmoud 2020-11-09

Discrete Networked Dynamic Systems: Analysis and Performance provides a high-level treatment of a general class of linear discrete-time dynamic systems interconnected over an information network, exchanging relative state measurements or output measurements. It presents a systematic analysis of the material and provides an account to the math development in a unified way. The topics in this book are structured along four dimensions: Agent, Environment, Interaction, and Organization, while keeping global (system-centered) and local (agent-centered) viewpoints. The focus is on the wide-sense consensus problem in discrete networked dynamic systems. The authors rely heavily on algebraic graph theory and topology to derive their results. It is known that graphs play an important role in the analysis of interactions between multiagent/distributed systems. Graph-theoretic analysis provides insight into how topological interactions play a role in achieving coordination among agents. Numerous types of graphs exist in the literature, depending on the edge set of G . A simple graph has no self-loop or edges. Complete graphs are simple graphs with an edge connecting any pair of vertices. The vertex set in a bipartite graph can be partitioned into disjoint non-empty vertex sets, whereby there is an edge connecting every vertex in one set to every vertex in the other set. Random graphs have fixed vertex sets, but the edge set exhibits stochastic behavior modeled by probability functions. Much of the studies in coordination control are based on deterministic/fixed graphs, switching graphs, and random graphs. This book addresses advanced analytical tools for characterization control, estimation and design of networked dynamic systems over fixed, probabilistic and time-varying graphs Provides coherent results on adopting a set-theoretic framework for critically examining problems of the analysis, performance and design of discrete distributed systems over graphs Deals with both homogeneous and heterogeneous systems to guarantee the generality of design results Genetic Algorithms in Search, Optimization, and Machine Learning David Edward Goldberg 1989 A gentle introduction to genetic algorithms. Genetic

algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

Women and Smoking United States. Public Health Service. Office of the Surgeon General 2001 The second report from the U.S. Surgeon General devoted to women and smoking. Includes executive summary, chapter conclusions, full text chapters, and references.

The Harriet Lane Handbook Harriet Lane Service 2017-05-01

Innovations and Interdisciplinary Solutions for Underserved Areas Jessica P. R. Thorn 2020-08-05 This book constitutes the refereed post-conference proceedings of the 4th EAI International Conference on Innovations and Interdisciplinary Solutions for Underserved Areas, InterSol 2020, held in Nairobi, Kenya, in March 2020. Due to the COVID-19 pandemic the conference is postponed to a later date in 2020. The 20 papers presented were selected from 50 submissions and issue different problems in underserved and unserved areas. They face problems in almost all sectors such as energy, water, communication, climate, food, education, transportation, social development, and economic growth.

Environmental Change and Agricultural Sustainability in the Mekong Delta Mart A. Stewart 2011-05-13 The Mekong Delta of Vietnam is one of the most productive agricultural areas in the world. The Mekong River fans out over an area of about 40,000 sq kilometers and over the course of many millennia has produced a region of fertile alluvial soils and constant flows of energy. Today about a fourth of the Delta is under rice cultivation, making this area one of the premier rice granaries in the world. The Delta has always proven a difficult environment to manipulate, however, and because of population pressures, increasing acidification of soils, and changes in the Mekong's flow, environmental problems have intensified. The changing way in which the region has been linked to larger flows of commodities and capital over time has also had an impact on the region: For example, its re-emergence in recent decades as a major rice-exporting area has linked it inextricably to global markets and their vicissitudes. And most recently, the potential for sea level increases because of global warming has added a new threat. Because most of the region is on average only a few meters above sea level and because any increase of sea level will change the complex relationship between tides

and down-river water flow, the Mekong Delta is one of the areas in the world most vulnerable to the effects of climate change. How governmental policy and resident populations have in the past and will in coming decades adapt to climate change as well as several other emerging or ongoing environmental and economic problems is the focus of this collection.

The Field Artillery Journal 1915

Reducing Racial/Ethnic Disparities in Reproductive and Perinatal Outcomes

Arden Handler 2010-11-23 Among women's health concerns, reproductive issues, both prenatal and postpartum, hold particular prominence. Yet despite the many programs dedicated to improving women's reproductive health, maternal and infant morbidity and mortality rates in minority communities remain unchanged—or have increased. Confronting this alarming statistic head-on, *Reducing Racial/Ethnic Disparities in Reproductive and Perinatal Outcomes* is the first book systematically examining public health interventions designed toward meeting this important and elusive goal. Its contributors offer the best thinking and practice on this complicated topic, clarifying the relationship between evidence-based medicine and evidence-based public health and its potential for increasing parity, considering interventions in the multiple contexts of women's lives, reviewing the evidence base for each program or initiative featured, and describing methodologies for evaluating interventions. The resulting volume advocates for an integrative lifespan approach, including topics related to: Family planning STI and HIV/AIDS screening and treatment Smoking cessation and reducing exposure to environmental smoke Preconceptional well-woman care Depression screening and treatment Labor/delivery approaches and intrapartum care Emerging prenatal care interventions, from centering pregnancy to doula support For professionals and graduate students in psychiatry, psychology, sociology, women's health, and public health, *Reducing Racial/Ethnic Disparities in Reproductive and Perinatal Outcomes* reframes a set of ongoing issues and guides the reader toward state-of-the-art solutions.

Hydrocracking Science and Technology Julius Scherzer 1996-08-06 Presents advances in the field of hydrocracking. The volume includes catalytic materials, reaction mechanisms and pathways, as well as hydrocracking processes and applications. It discusses hydrocracking processes and hydrocracking technology in catalytic dewaxing, resid upgrading, and fluid catalytic cracking feedstock improvement

Racism and Human Development Luciana Dutra-Thomé 2021-11-19 This book addresses the lifelong effects of racism, covering its social, psychological, family, community and health impacts. The studies brought together in this contributed volume discuss experiences of discrimination, prejudice and exclusion experienced by children, young people, adults, older

adults and their families; the processes of socialization, emotional regulation and construction of ethnic-racial identities; and stress-producing events associated with racism. This volume intends to contribute to a growing international effort to develop an antiracist agenda in developmental psychology by showcasing studies developed mainly in Brazil, the country with the largest black population in the world outside of Africa. Racism as an ideology that structures social relations and attributes superiority to one race over the others have developed in different ways in different countries. As a response to the 2020 social and health crisis, some North American developmental psychologists have started promoting initiatives to openly challenge racism. This book intends to contribute to this movement by bringing together studies conducted mainly in Brazil, but also in Germany and Norway, that adopt a racially informed approach to different topics in developmental psychology. Racism and Human Development intends to be an inspiration to students, scholars and practitioners who are seeking tools and examples of studies of race and racism from a developmental perspective. The establishment of an antiracist agenda in developmental psychology will never be possible without a commitment to the study of race as an indispensable social marker of human ontogeny in any society. This book is another step towards racial equity and towards a developmental science that leaves no one behind.

Thinking about Deterrence Air Univeristy Press 2014-09-01 With many scholars and analysts questioning the relevance of deterrence as a valid strategic concept, this volume moves beyond Cold War nuclear deterrence to show the many ways in which deterrence is applicable to contemporary security. It examines the possibility of applying deterrence theory and practice to space, to cyberspace, and against non-state actors. It also examines the role of nuclear deterrence in the twenty-first century and reaches surprising conclusions.

Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making Cengiz Kahraman 2019-07-05 This book includes the proceedings of the Intelligent and Fuzzy Techniques INFUS 2019 Conference, held in Istanbul, Turkey, on July 23–25, 2019. Big data analytics refers to the strategy of analyzing large volumes of data, or big data, gathered from a wide variety of sources, including social networks, videos, digital images, sensors, and sales transaction records. Big data analytics allows data scientists and various other users to evaluate large volumes of transaction data and other data sources that traditional business systems would be unable to tackle. Data-driven and knowledge-driven approaches and techniques have been widely used in intelligent decision-making, and they are increasingly attracting attention due to their importance and effectiveness in addressing uncertainty and

incompleteness. INFUS 2019 focused on intelligent and fuzzy systems with applications in big data analytics and decision-making, providing an international forum that brought together those actively involved in areas of interest to data science and knowledge engineering. These proceedings feature about 150 peer-reviewed papers from countries such as China, Iran, Turkey, Malaysia, India, USA, Spain, France, Poland, Mexico, Bulgaria, Algeria, Pakistan, Australia, Lebanon, and Czech Republic.

International Relations Since the End of the Cold War Geir Lundestad 2013 In International Relations Since the End of the Cold War many of the world's leading scholars examine the Cold War legacy. The authors examine several key issues including: the relationship between democracy and peace, the Cold War and the Third World, superpowers, the role of post-Cold War nuclear weapons.

Pediatric Nutrition in Practice B. Koletzko 2015-04-17 There is no other time in life when the provision of adequate and balanced nutrition is of greater importance than during infancy and childhood. During this dynamic phase characterized by rapid growth, development and developmental plasticity, a sufficient amount and appropriate composition of nutrients both in health and disease are of key importance for growth, functional outcomes such as cognition and immune response, and the metabolic programming of long-term health and well-being. This compact reference text provides concise information to readers who seek quick guidance on practical issues in the nutrition of infants, children and adolescents. After the success of the first edition, which sold more than 50'000 copies in several languages, the editors prepared this thoroughly revised and updated second edition which focuses again on nutritional challenges in both affluent and poor populations around the world. Serving as a practical reference guide, this book will contribute to further improving the quality of feeding of healthy infants and children, as well as enhancing the standards of nutritional care in sick children.

What Deters and Why Michael J. Mazarr 2018-11-01 The challenge of deterring territorial aggression is taking on renewed importance, yet discussion of it has lagged in U.S. military and strategy circles. The authors aim to provide a fresh look, with two primary purposes: to review established concepts about deterrence, and to provide a framework for evaluating the strength of deterrent relationships. They focus on a specific type of deterrence: extended deterrence of interstate aggression.

Brain Disorders in Critical Illness Robert D. Stevens 2013 Brain dysfunction is a major clinical problem in intensive care, with potentially debilitating long-term consequences for post-ICU patients of any age. The resulting extended length of stay in the ICU and post-discharge cognitive dysfunction are now recognized as major healthcare burdens. This comprehensive clinical text

provides intensivists and neurologists with a practical review of the pathophysiology of brain dysfunction and a thorough account of the diagnostic and therapeutic options available. Initial sections review the epidemiology, outcomes, relevant behavioral neurology and biological mechanisms of brain dysfunction. Subsequent sections evaluate the available diagnostic options and preventative and therapeutic interventions, with a final section on clinical encephalopathy syndromes encountered in the ICU. Each chapter is rich in illustrations, with an executive summary and a helpful glossary of terms. Brain Disorders in Critical Illness is a seminal reference for all physicians and neuroscientists interested in the care and outcome of severely ill patients.

Case Studies in Pain Management Rino V. Shah 2014-10-16 Edited by internationally recognized pain experts, this book offers 73 clinically relevant cases, accompanied by discussion in a question-and-answer format.

The ESC Textbook of Cardiovascular Medicine A. John Camm 2019

Intelligent Human Computer Interaction Madhusudan Singh 2021-02-05 The two-volume set LNCS 12615 + 12616 constitutes the refereed proceedings of the 12th International Conference on Intelligent Human Computer Interaction, IHCI 2020, which took place in Daegu, South Korea, during November 24-26, 2020. The 75 full and 18 short papers included in these proceedings were carefully reviewed and selected from a total of 185 submissions. The papers were organized in topical sections named: cognitive modeling and systems; biomedical signal processing and complex problem solving; natural language, speech, voice and study; algorithms and related applications; crowd sourcing and information analysis; intelligent usability and test system; assistive living; image processing and deep learning; and human-centered AI applications.

Applications of Networks, Sensors and Autonomous Systems Analytics Jyotsna Kumar Mandal 2021-11-27 This book presents high-quality research papers presented at International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSAA 2020), held during December, 11 – 12, 2020, at JIS College of Engineering, Kalyani, West Bengal, India. The major topics covered are cyber-physical systems and sensor networks, data analytics and autonomous systems and MEMS and NEMS with applications in biomedical devices. It includes novel and innovative work from experts, practitioners, scientists, and decision-makers from academia and industry.

Technological and Industrial Applications Associated with Intelligent Logistics Alberto Ochoa-Zezzatti 2021-09-08 This book helps the reader to identify how different organizations in the context of diverse societies deploy their resources and leverage their capabilities to achieve better performance of its various labor skills, marketing, social responsibility and management capacity. Intelligent Logistics is a complex phenomenon that has become critical for

companies to reach their development locally and internationally. On the one hand, macro-factors and market structure influence in business competitiveness, but also in a regional or sector context. The internal aspects and the use of various business tools contribute to the ability to create value in an organization. It is of utmost importance to understand the relevance of crucial aspects in the technological future that should be known and implemented by the Z generation of its incidence in the use of organizational models linked to artificial intelligence. Every innovative aspect in the use of new technologies for the distribution of goods and services will be crucial in a globalized world. An avant-garde society will require improved decision-making regarding Logistics 4.0 and its implementation in our lives respecting the environment and being sustainable together with invaluable principles of generating tacit knowledge for future generations.

Multiple Heterogeneous Unmanned Aerial Vehicles Aníbal Ollero 2007-10-25 Complete with online files and updates, this cutting-edge text looks at the next generation of unmanned flying machines. Aerial robots can be considered as an evolution of the Unmanned Aerial Vehicles (UAVs). This book provides a complete overview of all the issues related to aerial robotics, addressing problems ranging from flight control to terrain perception and mission planning and execution. The major challenges and potentials of heterogeneous UAVs are comprehensively explored.

International Conference on Innovative Computing and Communications Deepak Gupta 2020-07-30 This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on 21–23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Toilers of the Sea Victor Hugo 1866

Mobile Computing, Applications, and Services Gerard Memmi 2014-03-04 This book constitutes the thoroughly refereed post-conference proceedings of the 5th International Conference on Mobile Computing, Applications, and Services (MobiCASE 2013) held in Paris, France, in November 2013. The 13 full, 5 short and 9 poster papers were carefully reviewed and selected from 64 submissions, and are presented together with 3 papers from the Workshop on Near Field Communication for Mobile Applications (NFS). The conference papers are covering mobile applications development, mobile social networking, novel user experience and interfaces, mobile services and

platforms such as Android, iOS, BlackBerry OS, Windows phone, Bada, mobile software engineering and mobile Web, mobile payments and M2M infrastructure, mobile services such as novel hardware add-ons, energy aware services or tools, NFC-based services, authentication services.

Intelligent Human Computer Interaction Uma Shanker Tiwary 2020-04-11 This volume constitutes the proceedings of the 11th International Conference on Intelligent Human Computer Interaction, IHCI 2019, held in Allahabad, India, in December 2019. The 25 full papers presented in this volume were carefully reviewed and selected from 73 submissions. The papers are grouped in the following topics: EEG and other biological signal based interactions; natural language, speech and dialogue processing; vision based interactions; assistive living and rehabilitation; and applications of HCI.

Nanoparticles in medicine and environment J.C. Marijnissen 2014-12-13 A huge effort is put into the science of nanoparticles and their production. In many cases it is unavoidable that nanoparticles are released into the environment, either during the production processes or during the use of a product made from these particles. It is also realized that combustion processes like traffic and power plants release nanoparticles into the atmosphere. However it is not known how nanoparticles interact with the human body, especially upon inhalation. At the same time research activities are devoted to understand how nano-sized medicine particles can be used to administer medicines via inhalation. In any case it is absolutely necessary to know how the nanoparticles interfere with the inhalation system, how they deposit and affect on the human system. Three main themes are discussed: Nanoparticle sources and production Nanoparticle inhalation and deposition Toxicological and medical consequences of nanoparticles Each theme is covered comprehensively, starting at nano-quantum effects up to technical and medical applications such as measuring equipment and inhalation instrumentation. This book brings together all sub-disciplines in the field related to aerosol nanoparticles. Each chapter is written by a world expert, giving the state of the art information and challenging open questions. The last chapter summarizes in an interdisciplinary way what is already known and what still is ahead of us.

Environment and Post-Soviet Transformation in Kazakhstan's Aral Sea Region William Wheeler 2021-10-25 The Aral Sea is well known for its devastating regression over the second half of the twentieth century, and for its recent partial restoration. Environment and Post-Soviet Transformation in Kazakhstan's Aral Sea Region is the first book to explore what these monumental changes have meant to those living on the sea's shores. Following the fluctuating fortunes of the pre-Soviet, Soviet and post-Soviet fisheries, the book shows how the vast environmental changes the region has

undergone cannot be disentangled from the transformations of Soviet socialism and postsocialism. This ethnographic perspective prompts a critical rethinking of the category of environmental disaster through which the region is predominantly known. Tracing how the sea's retreat and partial return have been apprehended by diverse local actors in the former port of Aral'sk and surrounding fishing villages, as well as by scientists, bureaucrats and international development workers, William Wheeler draws out the multiple meanings environmental change acquires within different contexts. This study of how people make their lives amidst overlapping ecological and political-economic upheavals is rich in ethnographic detail that is both rooted in Soviet legacies and alive to the new transnational connections that are reshaping the region. Offering a rigorous political ecology of Soviet socialism and after, the book is a major contribution to the nascent environmental anthropology of Central Asia. It will be of interest to environmental anthropologists, environmental historians, and scholars of all disciplines working on Central Asia and the former USSR.

Greater Than the Sum 2007

Nuclear Weapons and Coercive Diplomacy Todd S. Sechser 2017-02-02 Are nuclear weapons useful for coercive diplomacy? This book argues that they are useful for deterrence but not for offensive purposes.

Science Citation Index 1994 Vols. for 1964- have guides and journal lists.

Textbook of Pediatric Infectious Diseases 1998

Basic Issues in Police Performance 1982 Since the complexity of police services does not lend itself to standardized performance measures, measurement techniques should be designed to inform more about what police do and how they affect their communities. This report reviews conventional police measurement practices and offers ways to improve the management value of performance information. Traditional performance measurement has emphasized the measurement of individual departments' effectiveness in preventing crime. This approach fails to consider the broad range of other police duties, citizens' expectations of police, and how police activities produce social change. Police can be evaluated in terms of efficiency, effectiveness, equity, and accountability, but citizens disagree about which of these performance criteria are the most important because community/police problems are too diverse. Instead of developing uniform, inflexible performance standards to apply globally to entire departments, evaluators should ask more detailed questions about common police processes and their results. Sketchy knowledge of how policing works now produces many hypotheses, but rarely standards worthy of emulation. Evaluators should develop better theories about police functions, obtain more reliable data, and control data collection costs with the aid of police managers

so that measures inform departmental policymakers. Tables, diagrams, and 197 references are given. Appendixes include police services study data and a list of problem codes.

Beyond Convergence National Defense University (US) 2017-08-24 The world order built upon the Peace of Westphalia is faltering. State fragility or failure are endemic, with no fewer than one-third of the states in the United Nations earning a "high warning"-or worse-in the Fragile States Index, and an equal number suffering a decline in sustainability over the past decade.¹ State weakness invites a range of illicit actors, including international terrorists, globally networked insurgents, and transnational criminal organizations (TCOs). The presence and operations of these entities keep states weak and incapable of effective governance, and limit the possibility of fruitful partnerships with the United States and its allies. Illicit organizations and their networks fuel corruption, eroding state legitimacy among the governed, and sowing doubt that the state is a genuine guardian of the public interest. These networks can penetrate the state, leading to state capture, and even criminal sovereignty.² A growing number of weak and corrupt states is creating gaping holes in the global rule-based system of states that we depend on for our security and prosperity. Indeed, the chapters of this book suggest the emergence of a highly adaptive and parasitic alternative ecosystem, based on criminal commerce and extreme violence, with little regard for what we commonly conceive of as the public interest or the public good. The last 10 years have seen unprecedented growth in interactivity between and among a wide range of illicit networks, as well as the emergence of hybrid organizations that use methods characteristic of both terrorist and criminal groups. In a convergence of interests, terrorist organizations collaborate with cartels, and trafficking organizations collude with insurgents. International terrorist organizations, such as al-Qaeda and Hezbollah, engage energetically in transnational crime to raise funds for their operations. Prominent criminal organizations like Los Zetas in Mexico and D-Company in Pakistan have adopted the symbolic violence of terrorists-the propaganda of the deed-to secure their "turf." And networked insurgents, such as the Islamic State of Iraq and the Levant (ISIL), the Revolutionary Armed Forces of Colombia (FARC), and the Liberation Tigers of Tamil Eelam (LTTE), have adopted the techniques of both crime and terror.

Writing in a Bilingual Program Carole Edelsky 1986 A year-long study of the writing development of 27 first through third graders in an English/Spanish bilingual program was conducted during the 1980-81 school year. Samples of the children's writing were collected at four intervals, coded for computer tallying, and analyzed in terms of code-switching, spelling, punctuation and segmentation, structural features, stylistic devices, and content. Additionally,

the context in which the writing developed was evaluated by classroom observations, teacher interviews, review of familial backgrounds, and a survey of the community language situation. Myths about bilingual language proficiency, biliteracy, bilingual education, teaching writing, and learning to write are all countered by evidence presented in this study. In a discussion of implications, the concept of a whole language approach to writing instruction is supported, in which authentic and functional texts are offered to and produced by children. Examples of the children's writing with appropriate translations are given along with various tables. Informal follow-up information is presented in three epilogues dealing with changes in the researcher's commitment to the study's original writing theories, the writing of some students a year after the study; and a chronological outline of the demise of the bilingual program used in the study. Appendices list interview questions used for teachers and aides and categories for coding the writing data. This book contains 134 references. (ALL)

The Routledge Handbook of Religions and Global Development Emma Tomalin 2015-02-11 This Handbook provides a cutting-edge survey of the state of research on religions and global development. Part one highlights critical debates that have emerged within research on religions and development, particularly with respect to theoretical, conceptual and methodological considerations, from the perspective of development studies and its associated disciplines. Parts two to six look at different regional and national development contexts and the place of religion within these. These parts integrate and examine the critical debates raised in part one within empirical case studies from a range of religions and regions. Different religions are situated within actual locations and case studies thus allowing a detailed and contextual understanding of their relationships to development to emerge. Part seven examines the links between some important areas within development policy and practice where religion is now being considered, including: Faith-Based Organisations and Development Public Health, Religion and Development Human rights, Religion and Development Sustainable Development, Climate Change and Religion Global Institutions and Religious Engagement in Development Economic Development and Religion Religion, Development and Fragile States Development and Faith-Based Education Taking a global approach, the Handbook covers Africa, Latin America, South Asia, East and South-East Asia, and the Middle East. It is essential reading for students and researchers in development studies and religious studies, and is highly relevant to those working in area studies, as well as a range of disciplines, from theology, anthropology and economics to geography, international relations, politics and sociology.

Advancing the Science of Cancer in Latinos Amelie G. Ramirez 2019-11-21

This open access book gives an overview of the sessions, panel discussions, and outcomes of the Advancing the Science of Cancer in Latinos conference, held in February 2018 in San Antonio, Texas, USA, and hosted by the Mays Cancer Center and the Institute for Health Promotion Research at UT Health San Antonio. Latinos – the largest, youngest, and fastest-growing minority group in the United States – are expected to face a 142% rise in cancer cases in coming years. Although there has been substantial advancement in cancer prevention, screening, diagnosis, and treatment over the past few decades, addressing Latino cancer health disparities has not nearly kept pace with progress. The diverse and dynamic group of speakers and panelists brought together at the Advancing the Science of Cancer in Latinos conference provided in-depth insights as well as progress and actionable goals for Latino-focused basic science research, clinical best practices, community interventions, and what can be done by way of prevention, screening, diagnosis, and treatment of cancer in Latinos. These insights have been translated into the chapters included in this compendium; the chapters summarize the presentations and include current knowledge in the specific topic areas, identified gaps, and top priority areas for future cancer research in Latinos. Topics included among the chapters: Colorectal cancer disparities in Latinos: Genes vs. Environment Breast cancer risk and mortality in women of Latin American origin Differential cancer risk in Latinos: The role of diet Overcoming barriers for Latinos on cancer clinical trials Es tiempo: Engaging Latinas in cervical cancer research Emerging policies in U.S. health care Advancing the Science of Cancer in Latinos proves to be an indispensable resource offering key insights into actionable targets for basic science research, suggestions for clinical best practices and community interventions, and novel strategies and advocacy opportunities to reduce health disparities in Latino communities. It will find an engaged audience among researchers, academics, physicians and other healthcare professionals, patient advocates, students, and others with an interest in the broad field of Latino cancer.

Toxic Chemical and Biological Agents Giovanni Sindona 2020-10-19 This book critically assesses the current state of knowledge on new and important detection technologies, e.g. mass spectrometry, tandem mass spectrometry, biosensor detection and tissue imaging, in connection with toxic chemical and biological agents. In general, the main topics discussed concern the risks and consequences of chemical and biological agents for human health in general, with special emphasis on all biochemical and metabolic pathways including the reproductive system. The exposome, genetic risks and the environment, various health hazard agents, risk assessment, environmental assessment and preparedness, and analysis of sub-lethal effects at the molecular level are

also discussed. In closing, the book provides comprehensive information on the diagnosis of exposure, and on health concerns related to toxic chemical and biological agents.

Critical Medical Anthropology Jennie Gamlin 2020-03-12 Critical Medical Anthropology presents inspiring work from scholars doing and engaging with ethnographic research in or from Latin America, addressing themes that are central to contemporary Critical Medical Anthropology (CMA). This includes issues of inequality, embodiment of history, indigeneity, non-communicable diseases, gendered violence, migration, substance abuse, reproductive politics and judicialisation, as these relate to health. The collection of ethnographically informed research, including original theoretical contributions, reconsiders the broader relevance of CMA perspectives for addressing current global healthcare challenges from and of Latin America. It includes work spanning four countries in Latin America (Mexico, Brazil, Guatemala and Peru) as well as the trans-migratory contexts they connect and are defined by. By drawing on diverse social practices, it addresses challenges of central relevance to medical anthropology and global health, including reproduction and maternal health, sex work, rare and chronic diseases, the pharmaceutical industry and questions of agency, political economy, identity, ethnicity, and human rights.