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GALLEGOS EUGENE

Advanced Low-Power Digital Circuit Techniques Springer
The book investigates the intersection of citizenship, civil society, and development in today's global world. The multi-disciplinary collection considers the notion of citizenship in connection with the neoliberal development agendas, participation, security discourses and legal environments. The contributions analyse the development-citizenship nexus grounded in empirical work in African, Latin American, European and global contexts. The book opens exciting avenues to reflect on the notion of citizenship and explores the following pertinent questions: Does citizenship matter for development research? Do international development policy and

practice promote certain normative registers for how people should make sense of their social relations and, in particular, how they relate to public authorities? What are their responses? Contributors from various academic backgrounds, such as anthropology, law, and political science, affirm the importance of citizenship for the study of contemporary development processes. Chapters provide empirical analysis of the processes of water privatization in Ghana, the promulgation of new 'NGO Law' in Ethiopia, environmental politics in former Yugoslavia, and the global interconnections between the Arab Spring and the Occupy Wall Street movement. The book is relevant for students and scholars of political science and development studies as well as development practitioners globally. This book was published as a special issue of the Journal of Civil Society.

Chromatin Signaling and Neurological Disorders

Springer

Biochar is the carbon-rich product when biomass (such as wood, manure or crop residues) is heated in a closed container with little or no available air. It can be used to improve agriculture and the environment in several ways, and its stability in soil and superior nutrient-retention properties make it an ideal soil amendment to increase crop yields. In addition to this, biochar sequestration, in combination with sustainable biomass

production, can be carbon-negative and therefore used to actively remove carbon dioxide from the atmosphere, with major implications for mitigation of climate change. Biochar production can also be combined with bioenergy production through the use of the gases that are given off in the pyrolysis process. This book is the first to synthesize the expanding research literature on this topic. The book's interdisciplinary approach, which covers engineering, environmental sciences, agricultural sciences, economics and policy, is a vital tool at this stage of biochar technology development. This comprehensive overview of current knowledge will be of interest to advanced students, researchers and professionals in a wide range of disciplines.

Computer Science and Convergence CRC Press

Debilitating food shortages and tragic famines have been among the major problems facing many Sub-Saharan countries in Africa since the early 1970s. Ethiopia is one of the most severely affected countries in the region. The country's drought prone areas, on which this study focuses, are suffering from severe ecological degradation and food insecurity. The general trend in these areas represents the prevalence of disharmony between the natural resource base and the population to be sustained. This research explores the relationship between growing

ecological degradation and declining agricultural productivity on the one hand and increasing population density on the other. It presents profound discussion on public awareness and perception about rural resources degradation and uncovers the social and demographic consequences of ecological degradation and food insecurity based on primary micro-level data collected from selected drought prone communities in Northern Ethiopia. Specifically, it attempts to measure the demographic changes that have taken place in the period 1984-1994 and interpret them in the context of demographic transition theory. It is argued that stress due to degradation of resources has compelled local people to realize the disadvantage of having a large number of children and apparently has led to fertility decline.

Destin dome 56 unit development and production plan and right-of-way pipeline application ILRI (aka ILCA and ILRAD)

NSCA’s Essentials of Tactical Strength and Conditioning is the ideal preparatory guide for those seeking TSAC-F certification. The book is also a great reference for fitness trainers who work with tactical populations such as military, law enforcement, and fire and rescue personnel.

Environmental Degradation: Causes and Remediation Strategies Purdue University Press

"Climate-smart agriculture, forestry and fisheries (CSA),

contributes to the achievement of sustainable development goals. It integrates the three dimensions of sustainable development (economic, social and environmental) by jointly addressing food security and climate challenges. It is composed of three main pillars: sustainably increasing agricultural productivity and incomes; adapting and building resilience to climate change; reducing and/or removing greenhouse gases emissions, where possible. The purpose of the sourcebook is to further elaborate the concept of CSA and demonstrate its potential, as well as limitations. It aims to help decision makers at a number of levels (including political administrators and natural resource managers) to understand the different options that are available for planning, policies and investments and the practices that are suitable for making different agricultural sectors, landscapes and food systems more climate-smart. This sourcebook is a reference tool for planners, practitioners and policy makers working in agriculture, forestry and fisheries at national and subnational levels." -- Back cover.

Index to Theses with Abstracts Accepted for Higher Degrees by the Universities of Great Britain and Ireland and the Council for National Academic Awards John Wiley & Sons

Parallel processing is now becoming a household word among computer researchers and

designers. This work contains 29 contributions from leading experts in the field attending the 1992 NATUG conference.

Land Degradation and Strategies for Sustainable Land Management in the Ethiopian Highlands DIANE Publishing

The compliance of this book is helpful for academicians, researchers, students, as well as other people seeking the relevant material in current trends of studies on the topic of environmental degradation.

Biochar for Environmental Management Springer Nature

A consummate classic with a fresh approach to pediatric dermatology Children´s skin is different. Maturation affects the epidermal barrier, the cutaneous microbiome, adnexal structures, vasculature, and transcutaneous absorption of drugs. The immature skin is more susceptible to pathogens and environmental disruption. Many genetic disorders are either present at birth or manifest early in childhood. Skin diseases thus present differently in children than in adults. Pediatric dermatology has seen significant advances over the last decade, particularly in the field of molecular genetics research, which has furthered our understanding of the pathogenesis of many skin diseases and the development of new approaches to treatment. This fourth edition of the Harper classic provides

state-of-the-art information on all aspects of skin disease in children. It covers the diagnosis and treatment of all conditions - both common and rare - with a consistently evidence-based approach. Existing content has been refreshed and fully updated to reflect emerging thinking and to incorporate the latest in research and clinical data - especially at the genetic level. This new fourth edition includes: Greater focus on the genetics behind skin disease, including new genes/genodermatoses, progress in genetic analysis, and stem cell transplants Increased coverage of lasers and other technologies used to treat skin disease More summary tables, learning points, tables of differential diagnosis, and clinical algorithms for diagnosis and management Additional online features, including patient information links and multiple choice questions Harper's Textbook of Pediatric Dermatology delivers crucial clinical insights and up-to-date research information that spans the breadth of the field. As the most comprehensive reference book on this subject available, this revised fourth edition will support and guide the daily practice of both dermatologists and pediatricians across the world.

Shear and Punching Shear in RC and FRC Elements

Taylor & Francis

Ethiopia is facing environmental and poverty challenges, and urgently needs effective

management of its environmental resources. Much of the Ethiopian landscape has been significantly altered and reshaped by centuries of human activities, and three-quarters of the rural population is living on degraded land. Over the past two decades the country has seen rapid economic and population growth and unparalleled land use change. This book explores the challenges of sustaining the resource base while fuelling the economy and providing for a growing population that is greatly dependent on natural resources for income and livelihoods. Adopting a political ecology perspective, this book comprehensively examines human impacts on the environment in Ethiopia, defining the environment both in terms of the quantity and quality of renewable and non-renewable natural resources. With high levels of economic production and consumption also come unintended side effects: waste discharges, emissions of pollutants, and industrial effluents. These pollutants can degrade the quality of water, air, land, and forests as well as harm the health of people, animals, and other living organisms if untreated or disposed of improperly. This book demonstrates how the relationship between society and environment is inherently and delicately interwoven, providing an account of Ethiopia’s current environment and natural resource base and future considerations for

environmentally sustainable development. **Understanding Soils of Mountainous Landscapes** Springer Understanding Soils of Mountainous Landscapes: Sustainable Use of Soil Ecosystem Services and Management focuses on the patterns and processes of mountainous soils, including threats due to the fragile nature of mountain ecosystems, and the conservation and management of soil ecosystem services and restoration processes. The book covers a balanced approach to land and resource management, ensuring that environmentally and socio-culturally sound interventions are developed and applied in the complex geophysical, ecological, and social landscapes of the world's mountain systems. The book provides holistic understanding of mountain soils to help environmental and soil scientists gain insight and develop new problem-solving approaches. With obvious up- and downstream linkages (e.g., a large proportion of urban canters globally depend on water that originates in the mountains) as well as globalization (e.g., continental-scale impacts of air pollution and climate change on glaciers), the long-range success of conservation measures in mountain regions requires that the following discrete but interconnected interventions be pursued concurrently: (1) the protection of biodiversity and ecosystem services, (2) empowerment of

mountain communities (including family farming), and (3) elaboration of more thoughtful, context-specific policy environments for sustainable mountain development. Offers comprehensive coverage of all aspects of mountain soils including climate change, ecosystem services, and threats Focuses on exploring the human and anthropogenic challenges associated with the sustainable management of soils in mountain landscapes Includes content on biochar-mediated microbial community dynamics Inducing Targeted Protein Degradation Routledge Advanced Low-Power Digital Circuit Techniques presents several novel high performance digital circuit designs that emphasize low-power and low-voltage operation. These circuits represent a wide range of circuits that are used in state-of-the-art VLSI systems and hence serve as good examples for low-power design. Each chapter contains a brief introduction that serves as a quick background and gives the motivation behind the design. Each chapter also ends with a summary that briefly explains the contributions contained therein. This makes the book very readable. The reader can skim through the chapters very quickly to get a feel for the design problems presented in the book and the solutions proposed by the authors. Examples of circuits used in systems where low-power is important from reliability and portability points of

view (such as general-purpose and DSP processors) are presented in Chapters 2, 3 and 4. Chapters 5 and 7 give examples of circuits used in systems where reliability and more system integration are the main driving forces behind lowering the power consumption. Chapter 6 gives an example of a general purpose high-performance low-power circuit design. Advanced Low-Power Digital Circuit Techniques is a real designer's book. It investigates alternative circuit styles, as well as architectural alternatives, and gives quantitative results for comparison in realistic technologies. Several of the circuits presented have been fabricated so that simulations can be checked. The circuits covered are the most important building blocks for many designs, so the text will be of direct use to designers. MOS designs are covered, as well as BiCMOS, and there are several novel circuits.

Molecular Mechanisms of Cockayne Syndrome

Academic Press

This book is a richly illustrated account of the clinical features, microscopic anatomy, and management of acne, acne-like disorders, and rosacea. The coverage includes all aspects of these diseases, from physiology to pathology, bacteriology, and endocrinology; special emphasis is placed on histopathology. Moreover, the full spectrum of pharmacological and physical methods of controlling the disorders are critically examined

and the widely experienced team of authors present in detail their personal strategies for successful treatment. Since it was first published, Acne and Rosacea has become a well-known classic. This fourth edition has been completely revised and updated, with entirely new chapters on topics such as etiopathogenesis, auto-inflammatory acne syndromes, the role of nutrition, and novel therapies. The text is supplemented by selected references and a wealth of clinical and histopathological pictures, including additional high-definition photographs. The book is designed for all those physicians – dermatologists, general practitioners, pediatricians, gynecologists, pharmacologists, and surgeons – who must identify and treat the many different forms of acne and rosacea.

Harper's Textbook of Pediatric Dermatology

CRC Press

Cockayne syndrome (CS) is a rare autosomal genetic disorder that was first identified almost 62 years ago by Alfred Cockayne and was named after him. The earliest publication record (PubMed) available is a paper by Marie et al in 1958. Since then 815 research papers including excellent reviews have been published (PubMed, December 2008), yet we are

Demographic Responses to Ecological Degradation and Food Insecurity

Routledge

The thesis provides different opportunities

and ideas to face some current challenges in the electricity systems. It focuses on the effective and efficient integration of distributed low carbon technologies in the grid of the future. Planning and operation problems for different clean solutions, such as market bidding strategies for intermittent energy producers, demand side management algorithms for smart buildings, and electrical storage options for network operators, are studied for facilitating the integration of renewable energy sources in the power system chain. **NSCA'S Essentials of Tactical Strength and Conditioning** Agro Environ Media, Publication Cell of AESA, Agriculture and Environmental Science Academy, Training under venous blood flow restriction (BFR) has received considerable interest in sports science and sports medicine journals in recent years. Driven by the positive effects of BFR training on muscle mass and function, a growing number of clinical scientists are beginning to investigate this training therapy and its potential impact on health and disease. Muscle wasting due to age or disease is a catalyst for disease development in almost any condition. However, today's clinical training therapy has no suitable training methods to enable the majority of physically compromised patients to train in a way that provides the necessary intensity for muscle adaptations. While BFR training could fill a significant gap in this

regard, the implementation of a new training technique in clinical practice is accompanied by many challenges. Therefore, we would like to introduce the Research Topic "Clinical Application and Impact of Blood-Flow-Restriction Training", which is intended to be a collection of basic scientific work on the application of BFR training in clinical settings and primary descriptions of feasibility and effects. We hope that this will expand the range of BFR applications, illustrate positive as well as possible negative effects of BFR training in patient populations and provide a proven scientific basis for future work. This Research Topics covers all aspects of applicability of BFR and exercise physiology in clinical conditions. The aim is to expand the possibilities of this technique, to share experience in clinical practice and to describe and interpret the physiological adaptations under pathological conditions. Therefore, this Research Topic welcomes submissions on BFR applications in clinical trial groups, acute and chronic effects of training with patients as well as molecular and cellular changes in exercise physiology and effects of chronic diseases on muscle function.

Transputer Research and Applications 5

Human Kinetics

This two-volume set (CCIS 905 and CCIS 906) constitutes the refereed proceedings of the Second International Conference on Advances

in Computing and Data Sciences, ICACDS 2018, held in Dehradun, India, in April 2018. The 110 full papers were carefully reviewed and selected from 598 submissions. The papers are centered around topics like advanced computing, data sciences, distributed systems organizing principles, development frameworks and environments, software verification and validation, computational complexity and cryptography, machine learning theory, database theory, probabilistic representations.

The Chromaffin Cell

Springer Science & Business Media

fib Bulletin 57 is a collection of contributions from a workshop on "Recent developments on shear and punching shear in RC and FRC elements", held in Salò, Italy, in October 2010. Shear is one of a few areas of research into fundamentals of the behaviour of concrete structures where contention remains amongst researchers. There is a continuing debate between researchers from a structures perspective and those from a materials or fracture mechanics perspective about the mechanisms that enable the force flow through a concrete member and across cracks. In 2009, a Working Group was formed within fib Task Group 4.2 "Ultimate Limit State Models" to harmonise different ideas about design procedures for shear and punching. An important outcome of this

work was the ensuing discussions between experts and practitioners regarding the shear and punching provisions of the draft fib Model Code, which led to the organization of the Salò workshop. Invited experts in the field of shear and FRC gave 18 lectures at the workshop that was attended by 72 participants from 12 countries in 3 different continents. The contributions from this conference as compiled in this bulletin are believed to represent the best of the current state of knowledge. They certainly are of general interest to fib members and especially helpful in the finalization of the 2010 fibModel Code. It is hoped that this publication will stimulate further research in the field, to refine and harmonize the available analytical models and tools for shear and punching design.

Need for multiemissions legislation : hearing

Springer

This is the second volume in a 2-volume compendium that is the go-to source for both research- and practice-oriented information on the importance of branched chain amino acids in maintaining the nutritional status and overall health of individuals, especially those with certain disease conditions. Over 150 well recognized and respected contributors have come together to compile these up-to-date and well-referenced works. The volumes will serve the reader as the benchmarks in this complex area of interrelationships

between dietary protein intakes and individual amino acid supplementation, the unique role of the branched chain amino acids in the synthesis of brain neurotransmitters, collagen formation, insulin and glucose modulation and the functioning of all organ systems that are involved in the maintenance of the body’s metabolic integrity. Moreover, the physiological, genetic and pathological interactions between plasma levels of branched chain amino acids and aromatic amino acids are clearly delineated so that students as well as practitioners can better understand the complexities of these interactions. Branched Chain Amino Acids in Clinical Nutrition: Volume 2 covers the role of branched chain amino acids in healthy individuals, and branched chain amino acid status in disease states, liver diseases, and supplementation studies in certain patient populations.

Environment and Society in Ethiopia Elsevier Transition Metal Oxides for Electrochemical Energy Storage Explore this authoritative handbook on transition metal oxides for energy storage Metal oxides have become one of the most important classes of materials in energy storage and conversion. They continue to have tremendous potential for research into new materials and devices in a wide variety of fields. Transition Metal Oxides for Electrochemical

Energy Storage delivers an insightful, concise, and focused exploration of the science and applications of metal oxides in intercalation-based batteries, solid electrolytes for ionic conduction, pseudocapacitive charge storage, transport and 3D architectures and interfacial phenomena and defects. The book serves as a one-stop reference for materials researchers seeking foundational and applied knowledge of the titled material classes.

Transition Metal Oxides offers readers in-depth information covering electrochemistry, morphology, and both in situ and in operando characterization. It also provides novel approaches to transition metal oxide-enabled energy storage, like interface engineering and three-dimensional nanoarchitectures. Readers will also benefit from the inclusion of: A thorough introduction to the landscape and solid-state chemistry of transition metal oxides for energy storage An exploration of electrochemical energy storage mechanisms in transition metal oxides, including intercalation, pseudocapacitance, and conversion Practical discussions of the electrochemistry of transition metal oxides, including oxide/electrolyte interfaces and energy storage in aqueous electrolytes An examination of the characterization of transition metal oxides for energy storage Perfect for materials scientists,

electrochemists, inorganic chemists, and applied physicists, Transition Metal Oxides for Electrochemical Energy Storage will also earn a place in the libraries of engineers in power technology and professions working in the electrotechnical industry seeking a one-stop reference on transition metal oxides for energy storage.

Proceedings of the 18th International Conference on Environmental Degradation of Materials in Nuclear Power Systems – Water Reactors Springer

Computer Science and Convergence is proceedings of the 3rd FTRA International Conference on Computer Science and its Applications (CSA-11) and The 2011 FTRA World Convergence Conference (FTRA WCC 2011). The topics of CSA and WCC cover the current hot topics satisfying the world-wide ever-changing needs. CSA-11 will be the most comprehensive conference focused on the various aspects of advances in computer science and its applications and will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of CSA. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications in CSA. Furthermore, we expect that the conference and its publications will be a trigger for further related

research and technology improvements in this important subject. The main scope of CSA-11 is as follows: - Mobile and ubiquitous computing - Dependable, reliable and autonomic computing - Security and trust management - Multimedia systems and services - Networking and communications - Database and data mining - Game and software engineering - Grid, cloud and scalable computing - Embedded system and software - Artificial intelligence - Distributed and parallel algorithms - Web and internet computing - IT policy and business management WCC-11 is a major conference for scientists, engineers, and practitioners throughout the world to present the latest research, results, ideas, developments and applications in all areas of convergence technologies. The main scope of WCC-11 is as follows: - Cryptography and Security for Converged environments - Wireless sensor network for Converged environments - Multimedia for Converged environments - Advanced Vehicular Communications Technology for Converged environments - Human centric computing, P2P, Grid and Cloud computing for Converged environments - U-Healthcare for Converged environments - Strategic Security Management for Industrial Technology - Advances in Artificial Intelligence and Surveillance Systems