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DIGITAL DESIGN

WITH AN INTRODUCTION TO THE VERILOG HDL

Pearson Academic For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. Digital Design, fifth edition is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

DIGITAL LOGIC AND COMPUTER DESIGN

Pearson Education India This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design.

DIGITAL DESIGN

Pearson Educación For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. & Digital Design, fourth edition is a modern update of the classic authoritative text on digital design.& This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

LOGIC AND COMPUTER DESIGN FUNDAMENTALS

Featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages, synthesis and verification, this text focuses on the ever-evolving applications of basic computer design concepts.

DIGITAL DESIGN: PRINCIPLES AND PRACTICES, 4/E

Pearson Education India

REGISTRIES FOR EVALUATING PATIENT OUTCOMES

A USER'S GUIDE

Government Printing Office This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform

Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

SCHWARTZ'S CLINICAL HANDBOOK OF PEDIATRICS

Lippincott Williams & Wilkins Organized by chief complaint, this comprehensive, pocket-sized handbook for medical students and early residents covers the diagnosis and management of more than 80 common problems found in children, focusing on symptoms, differential diagnosis, laboratory assessment, and various treatment options for each problem. Customers & reviewers note that the major strengths of this book are its readability and ease of use. It contains the perfect amount of detail and emphasizes high-yield topics that appear on end-of-rotation and in-service exams and really helps direct one's thinking process.

COMPUTER SYSTEMS

DIGITAL DESIGN, FUNDAMENTALS OF COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE

Springer This textbook covers digital design, fundamentals of computer architecture, and assembly language. The book starts by introducing basic number systems, character coding, basic knowledge in digital design, and components of a computer. The book goes on to discuss information representation in computing; Boolean algebra and logic gates; sequential logic; input/output; and CPU performance. The author also covers ARM architecture, ARM instructions and ARM assembly language which is used in a variety of devices such as cell phones, digital TV, automobiles, routers, and switches. The book contains a set of laboratory experiments related to digital design using Logisim software; in addition, each chapter features objectives, summaries, key terms, review questions and problems. The book is targeted to students majoring Computer Science, Information System and IT and follows the ACM/IEEE 2013 guidelines. • Comprehensive textbook covering digital design, computer architecture, and ARM architecture and assembly • Covers basic number system and coding, basic knowledge in digital design, and components of a computer • Features laboratory exercises in addition to objectives, summaries, key terms, review questions, and problems in each chapter

COMPUTER SYSTEM ARCHITECTURE

Prentice Hall

THE FUTURE OF NURSING

LEADING CHANGE, ADVANCING HEALTH

National Academies Press The Future of Nursing explores how nurses' roles, responsibilities, and education should change significantly to meet the increased demand for care that will be created by health care reform and to advance improvements in America's increasingly complex health system. At more than 3 million in number, nurses make up the single largest segment of the health care work force. They also spend the greatest amount of time in delivering patient care as a profession. Nurses therefore have valuable insights and unique abilities to contribute as partners with other health care professionals in improving the quality and safety of care as envisioned in the Affordable Care Act (ACA) enacted this year. Nurses should be fully engaged with other health professionals and assume leadership roles in redesigning care in the United States. To ensure its members are well-prepared, the profession should institute residency training for nurses, increase the percentage of nurses who attain a bachelor's degree to 80 percent by 2020, and double the number who pursue doctorates. Furthermore, regulatory and institutional obstacles -- including limits on nurses' scope of practice -- should be removed so that the health system can reap the full benefit of nurses' training, skills, and knowledge in patient care. In this book, the Institute of Medicine makes recommendations for an action-oriented blueprint for the future of nursing.

THE STROKE BOOK

Cambridge University Press Designed for use by busy professionals who need quick answers, this revised and updated second edition of The Stroke Book is a concise and practical reference for anyone involved in managing critically ill cerebrovascular patients. • Covers a wide range of common conditions such as ischemic and hemorrhagic strokes, subarachnoid hemorrhages and intracranial aneurysms • Provides focused protocols for assessing and treating stroke patients in the emergency room, intensive care unit or general hospital setting • A new chapter summarizes key clinical trials for stroke therapies • User-friendly format • Packed with algorithms, tables and summary boxes for immediate access to key information • A color plate section illustrates key pathology and diagnostic imaging Written by experienced contributors from leading stroke centers, this is an essential companion for navigating stroke-related clinical situations successfully and making informed decisions about treatment.

AN INTRODUCTION TO GLOBAL STUDIES

John Wiley & Sons Taking an interdisciplinary approach, An Introduction to Global Studies presents readers with a solid introduction to the complex, interconnected forces and issues confronting today's globalized world. Introduces readers to major theories, key terms, concepts, and notable theorists Equips readers with the basic knowledge and conceptual tools necessary for thinking critically about the complex issues facing the global community Includes a variety of supplemental features to facilitate learning and enhance

readers' understanding of the material

DIGITAL DESIGN, GLOBAL EDITION

For introductory courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. A clear and accessible approach to teaching the basic tools, concepts, and applications of digital design. A modern update to a classic, authoritative text, Digital Design, 6th Edition teaches the fundamental concepts of digital design in a clear, accessible manner. The text presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications. Like the previous editions, this edition of Digital Design supports a multimodal approach to learning, with a focus on digital design, regardless of language. Recognising that three public-domain languages-Verilog, VHDL, and SystemVerilog-all play a role in design flows for today's digital devices, the 6th Edition offers parallel tracks of presentation of multiple languages, but allows concentration on a single, chosen language.

DIGITAL DESIGN (CD) 3RD EDITION

COMPREHENSIVE REVIEW IN CLINICAL NEUROLOGY

A MULTIPLE CHOICE QUESTION BOOK FOR THE WARDS AND BOARDS

Lippincott Williams & Wilkins This new review textbook, written by residents and an experienced faculty member from Cleveland Clinic, is designed to ensure success on all sorts of standardized neurology examinations. Presented in a comprehensive question-and-answer format, with detailed rationales, Comprehensive Review in Clinical Neurology is a must-have for both aspiring and practicing neurologists and psychiatrists preparation to take the RITE, the American Board of Psychiatry and Neurology written exams, and various recertification exams.

UROLOGIC SURGICAL PATHOLOGY E-BOOK

Elsevier Health Sciences Completely revised with practical guidance in daily urological pathology sign-out and the latest recommended diagnostic approaches, the new edition of this comprehensive reference equips you to accurately diagnose specimens of the entire urinary tract and male reproductive system plus the adrenal glands. It begins with a look at normal anatomy and histology for each organ system...followed by discussions of the pathology of congenital anomalies, inflammations, non-neoplastic diseases and neoplasia. An emphasis on clinicopathologic and radiographic-pathologic correlations makes this a true diagnostic

decision-making guide. A consistent format enables you to locate critical information quickly, and morethan 1500 high-quality illustrations — most in full color — make diagnosis even easier. Presents the practice-proven experience of today's authorities to enable you to diagnose with confidence. Limits coverage of general mechanisms of disease and anatomy to the most relevant information needed to fully comprehend the clinical picture. Includes boxed lists of types and causes of diseases, differential diagnosis, characteristic features of diseases, complications, classifications, and staging that help you quickly locate the specific information you need. Presents two brand-new chapters covering urinary cytology and fine needle aspiration to keep you up to date. Covers newly described entities and application of ancillary study for precise diagnosis. Features integration of new molecular techniques and immunohistochemical analysis for differential diagnosis. Equips you with the latest recommended diagnostic approaches help you make the most informed decisions. Provides you with a critical review of the current classifications of cancer and disease. Features more than 1500 high-quality illustrations-in full color—providing a complete visual perspective of the conditions encountered in pathology.

EDUCATIONAL NEUROSCIENCE

John Wiley & Sons Educational Neuroscience presents a series of readings from educators, psychologists, and neuroscientists that explore the latest findings in developmental cognitive neurosciences and their potential applications to education. Represents a new research area with direct relevance to current educational practices and policy making Features individual chapters written collaboratively by educationalist, psychologists, and neuroscientists to ensure maximum clarity and relevance to a broad range of readers Edited by a trio of leading academics with extensive experience in the field

ESSENTIALS OF NURSING LEADERSHIP AND MANAGEMENT

F A Davis Company This new edition focuses on preparing your students to assume the role as a significant member of the health-care team and manager of care, and is designed to help your students transition to professional nursing practice. Developed as a user-friendly text, the content and style makes it a great tool for your students in or out of the classroom. (Midwest).

EMERGENCY CARE FOR CHILDREN

GROWING PAINS

National Academies Press Children represent a special challenge for emergency care providers, because they have unique medical

needs in comparison to adults. For decades, policy makers and providers have recognized the special needs of children, but the system has been slow to develop an adequate response to their needs. This is in part due to inadequacies within the broader emergency care system. Emergency Care for Children examines the challenges associated with the provision of emergency services to children and families and evaluates progress since the publication of the Institute of Medicine report Emergency Medical Services for Children (1993), the first comprehensive look at pediatric emergency care in the United States. This new book offers an analysis of: • The role of pediatric emergency services as an integrated component of the overall health system. • System-wide pediatric emergency care planning, preparedness, coordination, and funding. • Pediatric training in professional education. • Research in pediatric emergency care. Emergency Care for Children is one of three books in the Future of Emergency Care series. This book will be of particular interest to emergency health care providers, professional organizations, and policy makers looking to address the pediatric deficiencies within their emergency care systems.

WINE TASTING

A PROFESSIONAL HANDBOOK

Academic Press From OIV-award-winning author, Ronald S. Jackson, Wine Tasting: A Professional Handbook, Third Edition, is an essential guide for any professional or serious connoisseur seeking to understand both the theory and practice of wine tasting. From techniques for assessing wine properties and quality, including physiological, psychological, and physicochemical sensory evaluation, to the latest information on the types of wine, the author guides the reader to a clear and applicable understanding of the wine tasting process. With its inclusion of illustrative data and testing technique descriptions, the book is ideal for both those who train tasters, those involved in designing wine tastings, and the connoisseur seeking to maximize their perception and appreciation of wine. Contains revised and updated coverage, notably on the physiology and neurology of taste and odor perception Includes expanded coverage of the statistical aspect of wine tasting (specific examples to show the process), qualitative wine tasting, wine language, the origins of wine quality, and food and wine combination Provides a flow chart of wine tasting steps and production procedures Presents practical details on wine storage and the problems that can occur both during and following bottle opening

MAGNESIUM INTAKE AND HUMAN HEALTH

MDPI This book is a printed edition of the Special Issue "Magnesium Intake and Human Health" that was published in Nutrients

DIGITAL PRINTING OF TEXTILES

Woodhead Publishing At present the textile industry produces the majority of its 34 billion square yards of printed textile fabric by screen printing. However as we move into the digital age developments in digital printing of paper are being adapted more and more for the textile market. Inkjet textile printing is growing while growth in analog textile printing remains stagnant. As digital print technologies improve offering faster production and larger cost-effective print runs, digital printing will grow to become the technology that provides the majority of the world's printed textiles. This comprehensive introduction to the subject is broken into five sections. After two introductory chapters, it goes on to look in a number of detailed chapters at printer and print head technologies. The next section examines the printer software required for successful colour design and management. The digital printing colouration process is explored next, with chapters on substrate preparation, pigmented ink, aqueous inkjet ink, pre-treatment and printing on cationized cotton with reactive inks. The book is concluded with three chapters on the design and business aspect of digital printing. Digital printing of textiles contains fundamental technical explanations along with recent research, and is an invaluable guide for product developers, retailers, designers and academic researchers. Provides coverage of all the current developments in digital textile printing Covers important areas such as printer and print head technologies, printer software, digital printing colouration and design and business for digital printing

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS. THE PATH TO DIGITAL TRANSFORMATION AND INNOVATION OF PRODUCTION MANAGEMENT SYSTEMS

IFIP WG 5.7 INTERNATIONAL CONFERENCE, APMS 2020, NOVI SAD, SERBIA, AUGUST 30 – SEPTEMBER 3, 2020, PROCEEDINGS, PART I

Springer Nature The two-volume set IFIP AICT 591 and 592 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2020, held in Novi Sad, Serbia, in August/September 2020. The 164 papers presented were carefully reviewed and selected from 199 submissions. They discuss globally pressing issues in smart manufacturing, operations management, supply chain management, and Industry 4.0. The papers are organized in the following topical sections: Part I: advanced modelling, simulation and data analytics in production and supply networks; advanced, digital and smart manufacturing; digital and virtual quality management systems; cloud-manufacturing; cyber-physical production systems and digital twins; IIOT interoperability; supply chain planning and optimization; digital and smart supply chain management; intelligent logistics networks management; artificial intelligence and blockchain technologies in logistics and DSN; novel production planning and

control approaches; machine learning and artificial intelligence; connected, smart factories of the future; manufacturing systems engineering: agile, flexible, reconfigurable; digital assistance systems: augmented reality and virtual reality; circular products design and engineering; circular, green, sustainable manufacturing; environmental and social lifecycle assessments; socio-cultural aspects in production systems; data-driven manufacturing and services operations management; product-service systems in DSN; and collaborative design and engineering Part II: the Operator 4.0: new physical and cognitive evolutionary paths; digital transformation approaches in production management; digital transformation for more sustainable supply chains; data-driven applications in smart manufacturing and logistics systems; data-driven services: characteristics, trends and applications; the future of lean thinking and practice; digital lean manufacturing and its emerging practices; new reconfigurable, flexible or agile production systems in the era of industry 4.0; operations management in engineer-to-order manufacturing; production management in food supply chains; gastronomic service system design; product and asset life cycle management in the circular economy; and production ramp-up strategies for product

100% RENEWABLE ENERGY TRANSITION

PATHWAYS AND IMPLEMENTATION

MDPI Energy markets are already undergoing considerable transitions to accommodate new (renewable) energy forms, new (decentral) energy players, and new system requirements, e.g. flexibility and resilience. Traditional energy markets for fossil fuels are therefore under pressure, while not-yet-mature (renewable) energy markets are emerging. As a consequence, investments in large-scale and capital intensive (traditional) energy production projects are surrounded by high uncertainty, and are difficult to hedge by private entities. Traditional energy production companies are transforming into energy service suppliers and companies aggregating numerous potential market players are emerging, while regulation and system management are playing an increasing role. To address these increasing uncertainties and complexities, economic analysis, forecasting, modeling and investment assessment require fresh approaches and views. Novel research is thus required to simulate multiple actor interplays and idiosyncratic behavior. The required approaches cannot deal only with energy supply, but need to include active demand and cover systemic aspects. Energy market transitions challenge policy-making. Market coordination failure, the removal of barriers hindering restructuring and the combination of market signals with command-and-control policy measures are some of the new aims of policies. The aim of this Special Issue is to collect research papers that address the above issues using novel methods from any adequate perspective, including economic analysis, modeling of systems, behavioral forecasting, and policy assessment. The issue will include, but is not be limited to: Local control schemes and algorithms for distributed generation systems Centralized and decentralized sustainable energy

management strategies Communication architectures, protocols and properties of practical applications Topologies of distributed generation systems improving flexibility, efficiency and power quality Practical issues in the control design and implementation of distributed generation systems Energy transition studies for optimized pathway options aiming for high levels of sustainability

LEARNING FROM OTHERS

THE AUTOBIOGRAPHY OF SYED BABAR ALI

DRUG ABUSE HANDBOOK, SECOND EDITION

CRC Press Following the well-received first edition, the Drug Abuse Handbook, Second Edition is a thorough compendium of the knowledge of the pharmacological, medical, and legal aspects of drugs. The book examines criminalistics, pathology, pharmacokinetics, neurochemistry, treatment, as well as drugs and drug testing in the workplace and in sports, and the ethical, legal, and practical issues involved. Dr. Karch gathers contributions from 80 leading experts in their respective fields to update and revise this second edition with more than 40 percent new material. New topics include genetic testing in drug death investigation, the neurochemistry of nicotine and designer amphetamines, genetic doping in sports, and the implications of the Daubert ruling on the admissibility of scientific evidence in federal court. Packed with the latest information in an easily accessible format, the book includes tables of all Scheduled Drugs, methods of Drug Quantitative Analysis, and a glossary of forensic toxicology terms. Vivid pictures and diagrams illustrate the pathological effects of drugs and the chemical make-up and breakdown of abused drugs. It includes more than 6000 references to the best sources in medicine, pharmacology, and the law. This book addresses specific problems in drug testing, drug-related medical emergencies, and the physical, neurochemical, and sociological phenomenon of addiction. With unparalleled detail and the highest level of authoritative information, The Drug Abuse Handbook, Second Edition is the definitive resource for drug related issues.

DATA STRUCTURES AND ALGORITHM ANALYSIS IN C++

Pearson Education India The C++ language is brought up-to-date and simplified, and the Standard Template Library is now fully incorporated throughout the text. Data Structures and Algorithm Analysis in C++ is logically organized to cover advanced data structures topics from binary heaps to sorting to NP-completeness. Figures and examples illustrating successive stages of algorithms contribute to Weiss' careful, rigorous and in-depth analysis of each type of algorithm.

DIGITAL ELECTRONICS

PRINCIPLES, DEVICES AND APPLICATIONS

John Wiley & Sons The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

THE WILEY ENCYCLOPEDIA OF PACKAGING TECHNOLOGY

John Wiley & Sons The complete and authoritative guide to modern packaging technologies —updated and expanded From A to Z, The Wiley Encyclopedia of Packaging Technology, Third Edition covers all aspects of packaging technologies essential to the food and pharmaceutical industries, among others. This edition has been thoroughly updated and expanded to include important innovations and changes in materials, processes, and technologies that have occurred over the past decade. It is an invaluable resource for packaging technologists, scientists and engineers, students and educators, packaging material suppliers, packaging converters, packaging machinery manufacturers, processors, retailers, and regulatory agencies. In addition to updating and improving articles from the previous edition, new articles are also added to cover the recent advances and developments in packaging. Content new to this edition includes: Advanced packaging materials such as antimicrobial materials, biobased materials, nanocomposite materials, ceramic-coated films, and perforated films Advanced packaging technologies such as active and intelligent packaging, radio frequency identification (RFID), controlled release packaging, smart blending, nanotechnology, biosensor technology, and package integrity

inspection Various aspects important to packaging such as sustainable packaging, migration, lipid oxidation, light protection, and intellectual property Contributions from experts in all-important aspects of packaging Extensive cross-referencing and easy-to-access information on all subjects Large, double-column format for easy reference

SOLUTIONS ON EMBEDDED SYSTEMS

Springer Science & Business Media Embedded systems have an increasing importance in our everyday lives. The growing complexity of embedded systems and the emerging trend to interconnections between them lead to new challenges. Intelligent solutions are necessary to overcome these challenges and to provide reliable and secure systems to the customer under a strict time and financial budget. Solutions on Embedded Systems documents results of several innovative approaches that provide intelligent solutions in embedded systems. The objective is to present mature approaches, to provide detailed information on the implementation and to discuss the results obtained.

PIETY IN PIECES

HOW MEDIEVAL READERS CUSTOMIZED THEIR MANUSCRIPTS

Open Book Publishers Medieval manuscripts resisted obsolescence. Made by highly specialised craftspeople (scribes, illuminators, book binders) with labour-intensive processes using exclusive and sometimes exotic materials (parchment made from dozens or hundreds of skins, inks and paints made from prized minerals, animals and plants), books were expensive and built to last. They usually outlived their owners. Rather than discard them when they were superseded, book owners found ways to update, amend and upcycle books or book parts. These activities accelerated in the fifteenth century. Most manuscripts made before 1390 were bespoke and made for a particular client, but those made after 1390 (especially books of hours) were increasingly made for an open market, in which the producer was not in direct contact with the buyer. Increased efficiency led to more generic products, which owners were motivated to personalise. It also led to more blank parchment in the book, for example, the backs of inserted miniatures and the blanks ends of textual components. Book buyers of the late fourteenth and throughout the fifteenth century still held onto the old connotations of manuscripts—that they were custom-made luxury items—even when the production had become impersonal. Owners consequently purchased books made for an open market and then personalised them, filling in the blank spaces, and even adding more components later. This would give them an affordable product, but one that still smacked of luxury and met their individual needs. They kept older books in circulation by amending them, attached items to generic books to make them more relevant and valuable, and added new prayers with escalating indulgences as the culture of salvation shifted. Rudy considers ways in which book

owners adjusted the contents of their books from the simplest (add a marginal note, sew in a curtain) to the most complex (take the book apart, embellish the components with painted decoration, add more quires of parchment). By making sometimes extreme adjustments, book owners kept their books fashionable and emotionally relevant. This study explores the intersection of codicology and human desire. Rudy shows how increased modularisation of book making led to more standardisation but also to more opportunities for personalisation. She asks: What properties did parchment manuscripts have that printed books lacked? What are the interrelationships among technology, efficiency, skill loss and standardisation?

ENCYCLOPEDIA OF SOCIAL PROBLEMS

SAGE From terrorism to social inequality and from health care to environmental issues, social problems affect us all. The Encyclopedia will offer an interdisciplinary perspective into these and many other social problems that are a continuing concern in our lives, whether we confront them on a personal, local, regional, national, or global level.

ANTIBACTERIAL PEPTIDE PROTOCOLS

Springer Science & Business Media In Antibacterial Peptide Protocols, leading authorities review for the first time in one volume all the major biochemical, molecular, bacteriological, and physical techniques available to assess antimicrobial peptides. These state-of-the-art methods ensure easily reproducible results in such important procedures as the isolation and characterization of antimicrobial peptides, the molecular characterization of genes encoding antimicrobial peptides, and the use of expression systems to isolate peptides. Bioassays and microbial genetic techniques are also included, as are antibacterial assays as the final readout system. These methods detailed in Antibacterial Peptide Protocols will play an important role in the treatment of infectious diseases, particularly with the increasing problem of multidrug-resistant microbes and the relative dearth of new antibiotics being provided by pharmaceutical companies.

THE HANDBOOK OF CANNABIS THERAPEUTICS

FROM BENCH TO BEDSIDE

Routledge Learn the facts behind the pharmacology and pharmacokinetics of controversial cannabis therapeutics The Handbook of Cannabis Therapeutics: From Bench to Bedside sets aside the condemnation and hysteria of society's view of cannabis to concentrate on the medically sound aspects of cannabis therapeutics. The world's foremost experts provide a reasoned, thoroughly researched

overview of the controversial subject of cannabis, from its history as a medicine through its latest therapeutic uses. The latest studies on the botany, history, biochemistry, pharmacology, toxicology, clinical use for various illnesses such as AIDS, epilepsy, and multiple sclerosis, and side effects of marijuana are all examined and discussed in depth. This comprehensive resource is a compendium of articles from the Journal of Cannabis Therapeutics—with additional contemporary commentary. It presents startling research that explores and supports the medicinal value of cannabis use and its derivatives as a valid therapeutic resource for pain and inflammation, for several illnesses less responsive to other therapies, and even for certain veterinary uses. Cannabinoids such as nabilone, THC, levonantradol, ajulemic acid, dexanabinal, and others are extensively described, with a review of new indications for cannabinoid pharmaceuticals. The book is carefully referenced to encourage your examination of previous studies and provides tables and figures to enhance understanding of information. The Handbook of Cannabis Therapeutics discusses: the uses of cannabis in Arabic, Greek, Roman, and early English medicines absorption rates pharmacokinetics pharmacodynamics separate extracts versus the use of cannabis in its entirety the therapeutic value of the endocannabinoid system cannabinoids and newborn feeding a comparison of smoking versus oral preparations clinical research data on eating cannabis therapeutic uses as appetite stimulant treatments in obstetrics and gynecology medicinal treatments used in Jamaica the use of cannabis in the treatment of multiple sclerosis the benefits versus the adverse side effects of cannabis use The Handbook of Cannabis Therapeutics is a reference work certain to become crucial to physicians, psychologists, researchers, biochemists, graduate students, and interested members of the public.

FEATURE PAPER IN ANTIBIOTICS FOR 2019

There has been much speculation about a possible antibiotic Armageddon; this would be the result of having untreatable post-operative infections, and similarly untreatable complications after chemotherapy. The now famous "O'Neill Report" (https: //amr-review.org/) suggests that more people could die from resistant bacterial infections by 2050 than from cancer. We are still learning about all the subtle drivers of antibiotic resistance, and realizing that we need a single "whole of health" co-ordinated policy. We ingest what we sometimes feed to animals. There do not seem to be any new classes of antibiotics on our horizon. Perhaps something that has been around "forever" will come to our rescue-bacteriophages! Nevertheless, we have to do things differently, use antibiotics appropriately, for the correct indication, for the correct duration and with the correct dose, and with that, practice good antibiotic stewardship. Whilst by no means comprehensive, this book does cover some of the many topics of antibiotic stewardship. It also addresses some of the older antibiotics, some new combinations, and even some new agents. Last, and by no means least, there are two excellent articles on bacteriophages.

ACTUARIAL MATHEMATICS

HISTORY OF MEAT ALTERNATIVES (965 CE TO 2014)

EXTENSIVELY ANNOTATED BIBLIOGRAPHY AND SOURCEBOOK

Soyinfo Center The world's most comprehensive, well documented and well illustrated book on this subject. With extensive index. 435 color photographs and illustrations. Free of charge in digital PDF format on Google Books.

RESEARCH IN THE ARCHIVAL MULTIVERSE

Within the past 15 years, the field of archival studies around the world has experienced unprecedented growth and archival studies graduate education programs today have among the highest enrollments in any information field. During the same period, there has also been unparalleled expansion and innovation in the diversity of methods and theories being applied in archival scholarship. Global in scope, Research in the Archival Multiverse compiles critical and reflective essays across a wide range of emerging research areas and interests in archival studies with the aim of providing current and future archival academics with a text addressing possible methods and theoretical frameworks that have been and might be used in archival scholarship. More than a collation of research methods for handy reference, this volume advocates for reflexive research practice as a means by which to lay bare the fuzziness and messiness of research. Whereas research in the form of published research papers and juried conference presentations provide a view of the study framed in terms of research questions and findings, reflexive research practice reveals the context of the study and chains of situations, choices, and decisions that influence the trajectories of the studies themselves. Such elucidations from the position of the researcher are instructive for others, who may be inspired to apply or adapt the method for their own research. (Series: ?Social Informatics) [Subject: Research Studies

FUNGAL ANTIGENS

ISOLATION, PURIFICATION, AND DETECTION

Springer Science & Business Media Three years ago when Professor Garry Cole visited our Mycology unit at the Pasteur Institute we discussed the possibility of organizing a small International Symposium on "Isolation, Purification and Detection of Fungal Antigens" limited to 8 American/Canadian scientists and to 8 French participants. The location chosen was the Pasteur Institute because of the

historical and current importance of the Institute as a Center for Research in Immunology and Medical Mycology. The interest demonstrated by all medical mycolo gists we contacted led us to expand the small original meeting to an international symposium in which all aspects of antigens of pathogenic and allergenic fungi and actinomycetes related to man, animals, and even plants would be discussed. Our wish was also to hold this Symposium in the same week as the Anniversary meeting of the French Society of Medical Mycology which was founded at the Pasteur Institute 30 years ago with my colleagues Gabriel Segretain and Francois Mariat.

DIGITAL VLSI SYSTEMS DESIGN

A DESIGN MANUAL FOR IMPLEMENTATION OF PROJECTS ON FPGAS AND ASICS USING VERILOG

Springer Science & Business Media This book provides step-by-step guidance on how to design VLSI systems using Verilog. It shows the way to design systems that are device, vendor and technology independent. Coverage presents new material and theory as well as synthesis of recent work with complete Project Designs using industry standard CAD tools and FPGA boards. The reader is taken step by step through different designs, from implementing a single digital gate to a massive design consuming well over 100,000 gates. All the design codes developed in this book are Register Transfer Level (RTL) compliant and can be readily used or amended to suit new projects.