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Human Embryonic Stem Cells - Arlene Chiu 2003-08-01

A discussion of all the key issues in the use of human pluripotent stem cells for treating degenerative diseases or for replacing tissues lost from trauma. On the practical side, the topics range from the problems of deriving human embryonic stem cells and driving their differentiation along specific lineages, regulating their development into mature cells, and bringing stem cell therapy to clinical trials. Regulatory issues are addressed in discussions of the ethical debate surrounding the derivation of human embryonic stem cells and the current policies governing their use in the United States and abroad, including the rules and conditions regulating federal funding and questions of intellectual property.

Investigation of management problems at Los Alamos National Laboratory - United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Oversight and Investigations 2003

Cloud Security Guidelines for IBM Power Systems - Turgut Aslan 2016-03-09

This IBM® Redbooks® publication is a comprehensive guide that covers cloud security considerations for IBM Power Systems™. The first objectives of this book are to examine how Power Systems can fit into the current and developing cloud computing landscape and to outline the proven Cloud Computing Reference Architecture (CCRA) that IBM employs in building private and hybrid cloud environments. The book then looks more closely at the underlying technology and hones in on the security aspects for the following subsystems: IBM Hardware Management Console IBM PowerVM IBM PowerKVM IBM PowerVC IBM Cloud Manager with OpenStack IBM Bluemix This publication is for professionals who are involved in security design with regard to planning and deploying cloud infrastructures using IBM Power Systems.

“The” Information Age - Manuel Castells 2010

Software Studies - Matthew Fuller 2008

This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

[View From the Top](#) - D. Michael Lindsay 2014-05-05

Learn leadership from the best—proven insights from the power elite in business, government, and beyond. [View from the Top](#) brings readers inside the corridors of power and relates the personal stories and powerful findings from the Platinum Study, a groundbreaking study of 550 elite American CEOs, senior government leaders, and nonprofit executives based on ten years of research. The largest study of its kind, the Platinum Study delves into the domains of the elite with stories that illustrate both the use and misuse of power across the landscape of prominent American institutions such as AT&T, Harvard University, Under Armour, JP Morgan Chase, Bain & Company, and the White House. The book explores not only how leaders wield power, but it also provides readers with insight into applying the strategies of the successful in their own lives. In the United States, only a few thousand individuals make the decisions that influence the lives of over 300 million people. Whether in the government, business, higher education, or the arts, these individuals direct policy and set the terms of national debates, yet remain virtually unknown. [View from the Top](#) explores the real lives of the elite and the social worlds they inhabit, revealing lessons about

influence at the top, and the seven principles that shape those in power. The results of the Platinum Study include unexpected truths such as: Being born into wealth is a poor predictor of leadership success One program can set you on the path to leadership It doesn't matter what college you attend A leader's best work never sees the light of day Time-crushed executives are better situated than most to manage their family lives Crisis is the quickest way for a leader to shape an institution Working longer does not mean working better The book examines the different paths to power and describes the essence of leadership and the fundamental traits that distinguish a leader from the pack. For anyone seeking sharpen their leadership skills and impact the world around them, [View from the Top: An Inside Look at How People in Power See and Shape the World](#) provides the roadmap to taking charge and inspiring change.

Who's who in Finance and Business - 2008

Supervising Investigator - National Learning Corporation 2016

The Supervising Investigator Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam.

The Cortisol Connection - Shawn M. Talbott 2007

Explores the documented relationship between levels of the stress hormone cortisol and a range of health disorders including obesity, depression, and hypertension, outlining how to control cortisol with supplements. Simultaneous.

Services Computing - Liang-Jie Zhang 2008-08-07

This book bridges the gap between Business and IT services and proposes an original life-cycle view of the modern service industry. Major solution architectures, technologies and research methods are discussed in the lifecycle of services innovation research. The book provides readers with new research and solution methods to enable IT services and computing technology to better create and manage business services, which is the goal of Services Computing.

Microsoft Exchange Server 2007 Administrator's Companion - Walter Glenn 2008-06-18

Get your mission-critical messaging and collaboration systems up and running with the essential guide to deploying and managing Exchange Server 2007, now updated for SP1. This comprehensive administrator's reference covers the full range of server and client deployments, unified communications, security features, performance optimization, troubleshooting, and disaster recovery. It also includes four chapters on security policy, tools, and techniques to help protect messaging systems from viruses, spam, and phishing. Written by expert authors Walter Glenn and Scott Lowe, this reference delivers comprehensive information to deploy and operate effective, reliable, and security-enhanced messaging and collaboration services.

[Handbook of Cloud Computing](#) - Borko Furht 2010-09-11

Cloud computing has become a significant technology trend. Experts believe cloud computing is currently reshaping information technology and the IT marketplace. The advantages of using cloud computing include cost savings, speed to market, access to greater computing resources, high availability, and scalability. [Handbook of Cloud Computing](#) includes contributions from world experts in the field of cloud computing from academia, research laboratories and private industry. This book presents the systems, tools, and services of the leading providers of cloud computing; including Google, Yahoo, Amazon, IBM, and

Microsoft. The basic concepts of cloud computing and cloud computing applications are also introduced. Current and future technologies applied in cloud computing are also discussed. Case studies, examples, and exercises are provided throughout. Handbook of Cloud Computing is intended for advanced-level students and researchers in computer science and electrical engineering as a reference book. This handbook is also beneficial to computer and system infrastructure designers, developers, business managers, entrepreneurs and investors within the cloud computing related industry.

Greater Than the Sum - 2007

Guidelines for Sewerage Systems - Natural Resource Management Ministerial Council 2005

Advanced Guide to Python 3 Programming - John Hunt 2019-09-18

Advanced Guide to Python 3 Programming delves deeply into a host of subjects that you need to understand if you are to develop sophisticated real-world programs. Each topic is preceded by an introduction followed by more advanced topics, along with numerous examples, that take you to an advanced level. There are nine different sections within the book covering Computer Graphics (including GUIs), Games, Testing, File Input and Output, Databases Access, Logging, Concurrency and Parallelism, Reactive programming, and Networking. Each section is self-contained and can either be read on its own or as part of the book as a whole. This book is aimed at the those who have learnt the basics of the Python 3 language but want to delve deeper into Python's eco system of additional libraries and modules, to explore concurrency and parallelism, to create impressive looking graphical interfaces, to work with databases and files and to provide professional logging facilities.

Encyclopedia of Computer Science and Technology - Harry Henderson 2009

Presents an illustrated A-Z encyclopedia containing approximately 600 entries on computer and technology related topics.

Data Center Virtualization Fundamentals - Gustavo Alessandro Andrade Santana 2013-06-21

Data Center Virtualization Fundamentals For many IT organizations, today's greatest challenge is to drive more value, efficiency, and utilization from data centers. Virtualization is the best way to meet this challenge. Data Center Virtualization Fundamentals brings together the comprehensive knowledge Cisco professionals need to apply virtualization throughout their data center environments. Leading data center expert Gustavo A. A. Santana thoroughly explores all components of an end-to-end data center virtualization solution, including networking, storage, servers, operating systems, application optimization, and security. Rather than focusing on a single product or technology, he explores product capabilities as interoperable design tools that can be combined and integrated with other solutions, including VMware vSphere. With the author's guidance, you'll learn how to define and implement highly-efficient architectures for new, expanded, or retrofit data center projects. By doing so, you can deliver agile application provisioning without purchasing unnecessary infrastructure, and establish a strong foundation for new cloud computing and IT-as-a-service initiatives. Throughout, Santana illuminates key theoretical concepts through realistic use cases, real-world designs, illustrative configuration examples, and verification outputs. Appendixes provide valuable reference information, including relevant Cisco data center products and CLI principles for IOS and NX-OS. With this approach, Data Center Virtualization Fundamentals will be an indispensable resource for anyone preparing for the CCNA Data Center, CCNP Data Center, or CCIE Data Center certification exams. Gustavo A. A. Santana, CCIE® No. 8806, is a Cisco Technical Solutions Architect working in enterprise and service provider data center projects that require deep integration across technology areas such as networking, application optimization, storage, and servers. He has more than 15 years of data center experience, and has led and coordinated a team of specialized Cisco engineers in Brazil. He holds two CCIE certifications (Routing & Switching and Storage Networking), and is a VMware Certified Professional (VCP) and SNIA Certified Storage Networking Expert (SCSN-E). A frequent speaker at Cisco and data center industry events, he blogs on data center virtualization at gustavoasantana.net. Learn how virtualization can transform and improve traditional data center network topologies Understand the key characteristics and value of each data center virtualization technology Walk through key decisions, and transform choices into architecture Smoothly migrate existing

data centers toward greater virtualization Burst silos that have traditionally made data centers inefficient Master foundational technologies such as VLANs, VRF, and virtual contexts Use virtual PortChannel and FabricPath to overcome the limits of STP Optimize cabling and network management with fabric extender (FEX) virtualized chassis Extend Layer 2 domains to distant data center sites using MPLS and Overlay Transport Virtualization (OTV) Use VSANs to overcome Fibre Channel fabric challenges Improve SAN data protection, environment isolation, and scalability Consolidate I/O through Data Center Bridging and FCoE Use virtualization to radically simplify server environments Create server profiles that streamline "bare metal" server provisioning "Transcend the rack" through virtualized networking based on Nexus 1000V and VM-FEX Leverage opportunities to deploy virtual network services more efficiently Evolve data center virtualization toward full-fledged private clouds -Reviews - "The variety of material that Gustavo covers in this work would appeal to anyone responsible for Data Centers today. His grasp of virtualization technologies and ability to relate it in both technical and non-technical terms makes for compelling reading. This is not your ordinary tech manual. Through use of relatable visual cues, Gustavo provides information that is easily recalled on the subject of virtualization, reaching across Subject Matter Expertise domains. Whether you consider yourself well-versed or a novice on the topic, working in large or small environments, this work will provide a clear understanding of the diverse subject of virtualization." -- Bill Dufresne, CCIE 4375, Distinguished Systems Engineer, Cisco (Americas) ".this book is an essential reference and will be valuable asset for potential candidates pursuing their Cisco Data Center certifications. I am confident that in reading this book, individuals will inevitably gain extensive knowledge and hands-on experience during their certification preparations. If you're looking for a truly comprehensive guide to virtualization, this is the one!" -- Yusuf Bhaiji, Senior Manager, Expert Certifications (CCIE, CCDE, CCAr), Learning@Cisco "When one first looks at those classic Cisco Data Center blueprints, it is very common to become distracted with the overwhelming number of pieces and linkages. By creating a solid theoretical foundation and providing rich sets of companion examples to illustrate each concept, Gustavo's book brings hope back to IT Professionals from different areas of expertise. Apparently complex topics are demystified and the insertion of products, mechanisms, protocols and technologies in the overall Data Center Architecture is clearly explained, thus enabling you to achieve robust designs and successful deployments. A must read... Definitely!" -- Alexandre M. S. P. Moraes, Consulting Systems Engineer -- Author of "Cisco Firewalls" The History of Medical Informatics in the United States - Morris F. Collen 2015-10-08

This is a meticulously detailed chronological record of significant events in the history of medical informatics and their impact on direct patient care and clinical research, offering a representative sampling of published contributions to the field. The History of Medical Informatics in the United States has been restructured within this new edition, reflecting the transformation medical informatics has undergone in the years since 1990. The systems that were once exclusively institutionally driven - hospital, multihospital, and outpatient information systems - are today joined by systems that are driven by clinical subspecialties, nursing, pathology, clinical laboratory, pharmacy, imaging, and more. At the core is the person - not the clinician, not the institution - whose health all these systems are designed to serve. A group of world-renowned authors have joined forces with Dr Marion Ball to bring Dr Collen's incredible work to press. These recognized leaders in medical informatics, many of whom are recipients of the Morris F. Collen Award in Medical Informatics and were friends of or mentored by Dr Collen, carefully reviewed, editing and updating his draft chapters. This has resulted in the most thorough history of the subject imaginable, and also provides readers with a roadmap for the subject well into later in the century.

Safety-critical Computer Systems - Neil Storey 1996

Increasingly microcomputers are being used in applications where their correct operation is vital to ensure the safety of the public and the environment: from anti-lock braking systems in automobiles, to fly-by-wire aircraft, to shut-down systems at nuclear power plants. It is, therefore, vital that engineers be aware of the safety implications of the systems they develop. This book is an introduction to the field of safety-critical computer systems written for any engineer who uses microcomputers within real-time embedded systems. It assumes no prior knowledge of safety, or of any specific computer hardware or programming language. This text is intended for both engineering and computer science students, and for practising engineers within computer related industries. The approach taken is equally suited to engineers who consider

computers from a hardware, software or systems viewpoint.

The Pandemic Century: One Hundred Years of Panic, Hysteria, and Hubris - Mark Honigsbaum 2019-04-09

With a New Chapter and Updated Epilogue on Coronavirus A Financial Times Best Health Book of 2019 and a New York Times Book Review Editors' Choice "Honigsbaum does a superb job covering a century's worth of pandemics and the fears they invariably unleash." —Howard Markel, MD, PhD, director of the Center for the History of Medicine, University of Michigan How can we understand the COVID-19 pandemic? Ever since the 1918 Spanish influenza pandemic, scientists have dreamed of preventing such catastrophic outbreaks of infectious disease. Yet despite a century of medical progress, viral and bacterial disasters continue to take us by surprise, inciting panic and dominating news cycles. In *The Pandemic Century*, a lively account of scares both infamous and less known, medical historian Mark Honigsbaum combines reportage with the history of science and medical sociology to artfully reconstruct epidemiological mysteries and the ecology of infectious diseases. We meet dedicated disease detectives, obstructive or incompetent public health officials, and brilliant scientists often blinded by their own knowledge of bacteria and viruses—and see how fear of disease often exacerbates racial, religious, and ethnic tensions. Now updated with a new chapter and epilogue.

Director's Memorandum - United States. Bureau of Alcohol, Tobacco, and Firearms 1992

Flow Equalization - United States. Environmental Protection Agency. Office of Technology Transfer 1974 Discusses equalization of wastewater flows at municipal wastewater treatment plants. Focuses on equalization of dry weather flows. Includes performance and case histories.

How Burrowing Owls Lead to Vomiting Anarchists Or S. F. 's Housing Crisis Explained - Kim-Mai Cutler 2017-08-10

Published first by TechCrunch in April 2014, ¿How Burrowing Owls Lead to Vomiting Anarchists (Or S.F.'s Housing Crisis Explained)¿ quickly became the most important piece of prose written about the ongoing housing crisis in the San Francisco Bay Area. Kim-Mai Cutler pens an incisive analysis of the factors behind the region's out-of-control housing prices and lays out the solution: build more housing! Read the original essay that launched a thousand Yes In My Back Yard groups fighting to make the Bay Area and other regions of economic opportunity more affordable and inclusive. Now fully illustrated by Kelsey Westphal and expanded with updated commentary from the author, this groundbreaking essay is more accessible than ever.e

Accounting for Universities - Earle Leroy Washburn 1926

Practical Probabilistic Programming - Avi Pfeffer 2016-03-29

Summary Practical Probabilistic Programming introduces the working programmer to probabilistic programming. In it, you'll learn how to use the PP paradigm to model application domains and then express those probabilistic models in code. Although PP can seem abstract, in this book you'll immediately work on practical examples, like using the Figaro language to build a spam filter and applying Bayesian and Markov networks, to diagnose computer system data problems and recover digital images. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The data you accumulate about your customers, products, and website users can help you not only to interpret your past, it can also help you predict your future! Probabilistic programming uses code to draw probabilistic inferences from data. By applying specialized algorithms, your programs assign degrees of probability to conclusions. This means you can forecast future events like sales trends, computer system failures, experimental outcomes, and many other critical concerns. About the Book Practical Probabilistic Programming introduces the working programmer to probabilistic programming. In this book, you'll immediately work on practical examples like building a spam filter, diagnosing computer system data problems, and recovering digital images. You'll discover probabilistic inference, where algorithms help make extended predictions about issues like social media usage. Along the way, you'll learn to use functional-style programming for text analysis, object-oriented models to predict social phenomena like the spread of tweets, and open universe models to gauge real-life social media usage. The book also has

chapters on how probabilistic models can help in decision making and modeling of dynamic systems. What's Inside Introduction to probabilistic modeling Writing probabilistic programs in Figaro Building Bayesian networks Predicting product lifecycles Decision-making algorithms About the Reader This book assumes no prior exposure to probabilistic programming. Knowledge of Scala is helpful. About the Author Avi Pfeffer is the principal developer of the Figaro language for probabilistic programming. Table of Contents PART 1 INTRODUCING PROBABILISTIC PROGRAMMING AND FIGARO Probabilistic programming in a nutshell A quick Figaro tutorial Creating a probabilistic programming application PART 2 WRITING PROBABILISTIC PROGRAMS Probabilistic models and probabilistic programs Modeling dependencies with Bayesian and Markov networks Using Scala and Figaro collections to build up models Object-oriented probabilistic modeling Modeling dynamic systems PART 3 INFERENCE The three rules of probabilistic inference Factored inference algorithms Sampling algorithms Solving other inference tasks Dynamic reasoning and parameter learning

Handbook of Clinical Obstetrics - E. Albert Reece, MD, PhD, MBA 2008-04-15

The second edition of this quick reference handbook for obstetricians and gynecologists and primary care physicians is designed to complement the parent textbook *Clinical Obstetrics: The Fetus & Mother* The third edition of *Clinical Obstetrics: The Fetus & Mother* is unique in that it gives in-depth attention to the two patients - fetus and mother, with special coverage of each patient. *Clinical Obstetrics* thoroughly reviews the biology, pathology, and clinical management of disorders affecting both the fetus and the mother. *Clinical Obstetrics: The Fetus & Mother - Handbook* provides the practising physician with succinct, clinically focused information in an easily retrievable format that facilitates diagnosis, evaluation, and treatment. When you need fast answers to specific questions, you can turn with confidence to this streamlined, updated reference.

Cloud Computing - Jaydip Sen 2017-06-14

In the era of Internet of Things and with the explosive worldwide growth of electronic data volume, and associated need of processing, analysis, and storage of such humongous volume of data, it has now become mandatory to exploit the power of massively parallel architecture for fast computation. Cloud computing provides a cheap source of such computing framework for large volume of data for real-time applications. It is, therefore, not surprising to see that cloud computing has become a buzzword in the computing fraternity over the last decade. This book presents some critical applications in cloud frameworks along with some innovation design of algorithms and architecture for deployment in cloud environment. It is a valuable source of knowledge for researchers, engineers, practitioners, and graduate and doctoral students working in the field of cloud computing. It will also be useful for faculty members of graduate schools and universities.

The Orbitofrontal Cortex - David Zald 2006-10-12

The orbitofrontal cortex plays a critical role in emotion, learning, and behavioural flexibility. This volume provides a reference for established clinicians and researchers as well as trainees in neurology, neurosurgery, psychiatry, psychology, and neuroscience.--[Source inconnue].

Stanford - 1998

Bioinformatics Computing - Bryan P. Bergeron 2003

Comprehensive and concise, this handbook has chapters on computing visualization, large database designs, advanced pattern matching and other key bioinformatics techniques. It is a practical guide to computing in the growing field of Bioinformatics--the study of how information is represented and transmitted in biological systems, starting at the molecular level.

Better Healthcare Through Math - Sanjeev Agrawal 2020-11-17

GETTING A DOCTOR'S APPOINTMENT SHOULDN'T BE HARDER THAN BOOKING A VACATION The US healthcare system excels in research, innovation, and clinical care, but is failing to keep up with the operational challenges of the digital age. Today's healthcare organizations face immense financial challenges, and their most valuable resources--people, rooms, and equipment--are being used inefficiently. The result? Long wait times for patients, overstressed staff, underused assets, and poor ROI for organizations. Why do health systems struggle with optimization? The fundamental problem is one of

matching an unpredictable demand for services with a constrained supply. The math being used to solve this problem is a holdover from the paper-and-pencil era. In *Better Healthcare Through Math*, authors Mohan Giridharadas and Sanjeev Agrawal show you that there is a better way. Healthcare systems can harness the power of sophisticated, analytics-driven mathematics to optimize the matching of supply and demand. By upgrading to software systems built on better math, they can enable staff to make data-based decisions to flatten peaks of demand and create smoother patient flow.

Psychology of Mindfulness - Kimiyo Murata-Soraci 2014-01-01

In our daily attempt to make sense of life and the world, we come to realize that appropriation of life hinges upon our mindfulness. Being alert to how we dwell in the interior and exterior landscapes of our existence may yet turn around the present modes of living into a salutary condition and/or a better direction. And yet, in what sense(s) does "mindfulness" matter to us for genuinely experiencing our mortal time and for (re-)creation of the world? How successfully does "mindfulness" intervene the psycho-somatic experience of predicaments and enable us to better cope with times of distress and suffering? This book is an interdisciplinary collection of studies on mindfulness explored and discussed by the authors from different walks of life, disciplines and interests. It offers a rich set of interventions related to the practice of mindfulness meditations which effectively reduces human predicaments of menstrual-stress, neurosis, loneliness, anxiety, trauma, forgetfulness, and distress over cancer, fear of dying alone, mourning, etc., gathered by the authors through their research, teaching, and practice from the fields of philosophy, psychology, medicine, therapy, social work, education and fine arts. The authors in this volume are thus attuned to the menace of recognizable objectivism and objectification of intrinsically interconnected lives of things, and are seeking, through their studies, ways of overcoming a tyranny of the "I" under a zenith of its objectivism in our cultural climate. Accordingly, this volume includes also three informative essays on the Mahayana Buddhist traditions in India and China, Japanese S?t? Zen practice of D?gen, and a comparative study of meditation between the Western and the Eastern traditions of spirituality, so as to shed light on the historical and philosophical backgrounds of mindfulness meditation of the far East. This collection of essays closes with mindfulness as an issue of "interspecies, human-animal relations." In order to find a step beyond the epoch of anthropocentrism, this book will extend our alertness to nonhuman animals wherein the essential traits of mankind have been repeatedly drawn and appropriated in the history of man. In conclusion, the book will examine new possibilities in the mind of the reader for seeking a way of authentic co-belonging with other species and of building a new ?thos beyond the age of objectivism and anthropocentrism.

Fundamentals of Performance Technology - Darlene Van Tiem 2004

Awakening the Heroes Within - Carol S. Pearson 2012-07-31

"The heroic quest is about saying 'yes' to yourself and in so doing, becoming more fully alive and more effective in the world. . . . The quest is replete with dangers and pitfalls, but it offers great rewards: the capacity to be successful in the world, knowledge of the mysteries of the human soul, and the opportunity to find and express your unique gifts in the world." In this bold and original work, Carol S. Pearson shows that the heroic quest isn't just for certain people under special circumstances. Exploring the many heroic paths available to each of us, at every point in our lives, her innovative program enables us to live heroically by activating and applying twelve archetypes in our lives. This companion to the bestselling *The Hero Within* outlines twelve archetypal patterns that can aid inner development and the quest for wholeness. These archetypes are inner guides that can help us prepare for the journey, by learning how to become successful members of society; embark upon the quest, by becoming initiated into the mysteries of the human soul; and return to transform our lives as a result of claiming our uniqueness and personal power. Writing for individuals seeking to realize their full potential and professionals engaged in empowering others, Pearson shows how journeys differ by the age, gender, and cultural background of the seeker, and how archetypes help awaken the capacities of our psyches. A unique diagnostic test, the Heroic Myth Index, and exercise are included to help us understand and awaken our inner guides.

Spending Reductions - United States. Congress. House. Committee on Interstate and Foreign Commerce

1980

1000 Journals Project - 2007-03-08

"One thousand blank journals are currently circulating throughout the world, beckoning contributors who find the journals by chance on trains, in cafés, and anonymously left on doorsteps. Artist Someguy shares more than 250 of the best entries..."--Publisher description.

The Sound of Innovation - Andrew J. Nelson 2015-03-06

How a team of musicians, engineers, computer scientists, and psychologists developed computer music as an academic field and ushered in the era of digital music. In the 1960s, a team of Stanford musicians, engineers, computer scientists, and psychologists used computing in an entirely novel way: to produce and manipulate sound and create the sonic basis of new musical compositions. This group of interdisciplinary researchers at the nascent Center for Computer Research in Music and Acoustics (CCRMA, pronounced "karma") helped to develop computer music as an academic field, invent the technologies that underlie it, and usher in the age of digital music. In *The Sound of Innovation*, Andrew Nelson chronicles the history of CCRMA, tracing its origins in Stanford's Artificial Intelligence Laboratory through its present-day influence on Silicon Valley and digital music groups worldwide. Nelson emphasizes CCRMA's interdisciplinarity, which stimulates creativity at the intersections of fields; its commitment to open sharing and users; and its pioneering commercial engagement. He shows that Stanford's outsized influence on the emergence of digital music came from the intertwining of these three modes, which brought together diverse supporters with different aims around a field of shared interest. Nelson thus challenges long-standing assumptions about the divisions between art and science, between the humanities and technology, and between academic research and commercial applications, showing how the story of a small group of musicians reveals substantial insights about innovation. Nelson draws on extensive archival research and dozens of interviews with digital music pioneers; the book's website provides access to original historic documents and other material.

Principles of Pharmacogenetics and Pharmacogenomics - Russ B. Altman 2012-01-23

The study of pharmacogenetics and pharmacogenomics focuses on how our genes and complex gene systems influence our response to drugs. Recent progress in clinical therapeutics has led to the discovery of new biomarkers that make it technically easier to identify groups of patients which are more or less likely to respond to individual therapies. The aim is to improve personalised medicine - not simply to prescribe the right medicine, but to deliver the right drug at the right dose at the right time. This textbook brings together leading experts to discuss the latest information on how human genetics impacts drug response phenotypes. It presents not only the basic principles of pharmacogenetics, but also clinically valuable examples that cover a broad range of specialties and therapeutic areas. This textbook is an invaluable introduction to pharmacogenetics and pharmacogenomics for health care professionals, medical students, pharmacy students, graduate students and researchers in the biosciences.

Smoking and Health - 1976

Biological and Artificial Intelligence Environments - Bruno Apolloni 2007-11-04

The book reports the proceedings of the 15th Italian workshop on neural networks issued by the Italian Society on Neural Networks SIREN. The longevity recipe of this conference stands in three main points that normally renders the reading of these proceedings so interesting as appealing. 1. The topics of the neural networks is considered an attraction pole for a set of researches centered on the inherent paradigm of the neural networks, rather than on a specific tool exclusively. Thus, the subsymbolic management of the data information content constitutes the key feature of papers in various fields such as Pattern Recognition, Stochastic Optimization, Learning, Granular Computing, and so on, with a special bias toward bioinformatics operational applications. An excerpt of all these matters may be found in the book. 2.

Though managed at domestic level, the conference attracts contributions from foreign researchers as well, so that in the book the reader may capture the flavor of the state of the art in the international community. 3. The conference is a meeting of friends as well. Thus the papers generally reflect a relaxed atmosphere where researchers meet to generously exchange their thought and explain their actual results in view of a common cultural growing of the community.