

40 45mb Into The Still Blue Under The Never Sky 3 By

This book describes Smart Cities and the information technologies that will provide better living conditions in the cities of tomorrow. It brings together research findings from 27 countries across the globe, from academia, industry and government. It addresses a number of crucial topics in state of the arts of technologies and solutions related to smart cities, including big data and cloud computing, collaborative platforms, communication infrastructures, smart health, sustainable development and energy management.

Information Innovation Technology in Smart Cities is essential reading for researchers working on intelligence and information communication systems, big data, Internet of Things, Cyber Security, and cyber-physical energy systems. It will be also invaluable resource for advanced students exploring these areas.

Analysis of downward-directed infrared irradiances measured in the lower stratosphere indicated that reasonable limits on the gaseous components of the atmosphere were not able to account for the irradiances observed between 14 and 24 km. Additional emitters were therefore assumed to exist at these altitudes. Information on the spatial and temporal distributions of the stratospheric emitter was obtained from an analysis of some 400 measurements taken during the 1962-1967 period. The results indicate that while this phenomenon is global in scope, it is most evident in the tropics at altitudes between 15 and 18 km. Time series of daily radiometersonde ascents carried out during the Line Islands Experiment indicated that the emitter has a high persistence in the tropics. A series of synoptic-scale ascents made over the central United States on one night indicated that the emitter has a great variability in the mid-latitudes. No long-term trends in the concentration of the emitter in the tropics or in the mid-latitudes could be determined.

(Author).

This two-volume set LNCS 4275/4276 constitutes the refereed proceedings of the four confederated conferences CoopIS 2006, DOA 2006, GADA 2006, and ODBASE 2006 held as OTM 2006 in Montpellier, France in October/November 2006. The 106 revised full and 9 short papers presented together with 4 keynote speeches were carefully reviewed and selected from a total of 361 submissions. Corresponding with the four OTM 2006 main conferences CoopIS, ODBASE, GADA, and DOA, the papers are organized in topical sections on distributed information systems, workflow modelling, workflow management and discovery, dynamic and adaptable workflows, services metrics and pricing, formal approaches to services, trust and security in cooperative IS, P2P systems, collaborative systems design and development, collaborative systems development, cooperative IS applications, foundations, metadata, design, ontology mappings, information integration, agents, contexts, similarity and matching, resource selection and management, P2P-based systems, grid file transfer, parallel applications, scheduling in grid environments, autonomous and autonomic computing, grid infrastructures for data analysis, access control and security, programming aspects for developing scientific grid components, databases and data grids, distributed applications, evaluation, services, communications, searching techniques, types and notations, adaptivity, middleware, distribution support, and self-organisation.

Advances in Multimedia Information Processing - PCM 2009/10th Pacific Rim Conference on Multimedia, Bangkok, Thailand, December 15-18, 2009. Proceedings Springer Science & Business Media

Structural genomics is the study of the DNA of living organisms. Evolutionary genomics is the study of the history of the genome. These subjects are closely interlinked. They are approached in this book using as a guideline the investigations carried out in the author's laboratory, relevant literature is critically reviewed and some general conclusions are presented. The author and his collaborators have studied a vast number of genomes, ranging from prokaryotes to human, using different approaches, including physical chemistry of DNA, viral integration and molecular cytogenetics. As the subtitle indicates the book discusses the fundamental importance of natural selection in shaping genomes. In terms of numbers, neutral and nearly neutral mutations represent most mutations, but a "regional" control is exerted by natural selection (essentially negative or purifying selection). A "neo-selectionist" model is proposed for genome evolution. - Summarizes the existing knowledge on genome organization and evolution in a self-contained book -

Discusses important open problem, without refraining from criticism whenever appropriate

The two-volume set LNCS 9452 and 9453 constitutes the refereed proceedings of the 21st International Conference on the Theory and Applications of Cryptology and Information Security, ASIACRYPT 2015, held in Auckland, New Zealand, in November/December 2015. The 64 revised full papers and 3 invited talks presented were carefully selected from 251 submissions. They are organized in topical sections on indistinguishability obfuscation; PRFs and hashes; discrete logarithms and number theory; signatures; multiparty computation; public key encryption; ABE and IBE; zero-knowledge; attacks on ASASA; number field sieve; hashes and MACs; symmetric encryption; foundations; side-channel attacks; design of block ciphers; authenticated encryption; symmetric analysis; cryptanalysis; privacy and lattices.

Proceedings of the 28th Annual International Conference on Very Large Data Bases held in Hong Kong, China on August 20-23, 2002. Organized by the VLDB Endowment, VLDB is the premier international conference on database technology.

Illustrates and lists the current market value of Avon bottles, glass decanters, soaps, and jewelry

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Newnes Circuits Manuals and Users' Handbooks by Ray Marston cover a wide range of electronics subjects in an easy-to-read and non-mathematical manner, presenting the reader with many practical applications and circuits. They are specifically written for the practising design engineer, technician, and the experimenter, as well as the electronics student and amateur. The ICs and other devices used in the practical circuits are modestly priced and readily available types, with universally recognized type numbers.

Topics in Lightwave Transmission Systems is a second volume of a treatise on optical fiber communications that is devoted to the science, engineering, and application of information transmission via optical fibers. The first volume, published in 1985, dealt exclusively with fiber fabrication. The present volume contains topics that pertain to subsystems and systems. The book contains five chapters and begins with discussions of transmitters and receivers, which are basic to systems now operating in the field. Subsequent chapters cover topics relating to coherent systems: frequency and phase modulation of the optical carrier, and systems considerations and experiments. The last chapter reviews the fundamentals of nonlinear effects in optical fibers and considers how systems are affected by various nonlinear phenomena.

The history of livestock started with the domestication of their wild ancestors: a restricted number of species allowed to be tamed and entered a symbiotic relationship with humans. In exchange for food, shelter and protection, they provided us with meat, eggs, hides, wool and draught power, thus contributing considerably to our economic and cultural development. Depending on the species, domestication took place in different areas and periods. After domestication, livestock spread over all inhabited regions of the earth, accompanying human migrations and becoming also trade objects. This required an adaptation to different climates and varying styles of husbandry and resulted in an enormous phenotypic diversity. Approximately 200 years ago, the situation started to change with the rise of the concept of breed. Animals were selected for the same visible characteristics, and crossing with different phenotypes was reduced. This resulted in the formation of different breeds, mostly genetically isolated from other populations. A few decades ago, selection pressure was increased again with intensive production focusing on a limited range of types and a subsequent loss of genetic diversity. For short-term economic reasons, farmers have abandoned traditional breeds. As a consequence, during the 20th century, at least 28% of farm animal breeds became extinct, rare or endangered. The situation is alarming in developing countries, where native breeds adapted to local environments and diseases are being replaced by industrial breeds. In the most marginal areas, farm animals are considered to be essential for viable land use and, in the developing world, a major pathway out of poverty. Historic documentation from the period before the breed formation is scarce. Thus, reconstruction of the history of livestock populations depends on archaeological, archeo-zoological and DNA analysis of extant populations. Scientific research into genetic diversity takes advantage of the rapid advances in molecular genetics. Studies of mitochondrial DNA, microsatellite DNA profiling and Y-chromosomes have revealed details on the process of domestication, on the diversity retained by breeds and on relationships between breeds. However, we only see a small part of the genetic information and the advent of new technologies is most timely in order to answer many essential questions. High-throughput single-nucleotide polymorphism genotyping is about to be available for all major farm animal species. The recent development of sequencing techniques calls for new methods of data management and analysis and for new ideas for the extraction of information. To make sense of this information in practical conditions, integration of geo-environmental and socio-economic data are key elements. The study and management of farm animal genomic resources (FAnGR) is indeed a major multidisciplinary issue. The goal of the present Research Topic was to collect contributions of high scientific quality relevant to biodiversity management, and applying new methods to either new genomic and bioinformatics approaches for characterization of FAnGR, to the development of FAnGR conservation methods applied ex-situ and in-situ, to socio-economic aspects of FAnGR conservation, to transfer of lessons between wildlife and livestock biodiversity conservation, and to the contribution of FAnGR to a transition in agriculture (FAnGR and agro-ecology).

Cytogenetics is the study of the structure and function of chromosomes in relation to phenotypic expression. Chromosomal abnormalities underlie the development of a wide variety of diseases and disorders ranging from Down syndrome to cancer, and are of widespread interest in both basic and clinical research. Cytogenetic Abnormalities: Chromosomal, FISH, and Microarray-Based Clinical Reporting is a practical guide that describes cytogenetic abnormalities, their clinical implications and how best to report and communicate laboratory findings in research and clinical settings. The text first examines chromosomal, FISH, and microarray-based analyses in constitutional disorders. Using these same methodologies, the book's focus shifts to acquired abnormalities in cancers. Both sections provide illustrative examples of cytogenetic abnormalities and how to communicate these findings in standardized laboratory reports. Providing both a wealth of cytogenetic information, as well as practical guidance on how best to communicate findings to fellow research and medical professionals, Cytogenetic Abnormalities will be an essential resource for cytogeneticists, laboratory personnel, clinicians, research scientists, and students in the field. A guide to interpreting and reporting cytogenetic laboratory results involved in constitutional disorders and cancers Guides the reader on implementing the International System for Human Cytogenetic Nomenclature in written reports Provides information to allow scientists and medical professionals to fully understand and communicate cytogenetic abnormalities Describes a wide array of cytogenetic abnormalities observed in the laboratory Divided into user-friendly sections

devoted to methodologies and implications of specific diseases

This book constitutes the proceedings of the 10th Pacific Rim Conference on Multimedia, held in Bangkok, Thailand during December 15-18, 2009. The papers presented in the volume were carefully reviewed and selected from 171 submissions. The topics covered are exploring large-scale videos: automatic content genre classification, repair, enhancement and authentication, human behavior classification and recognition, image and video coding perceptual quality improvement, image annotation, retrieval, and classification, object detection and tracking, networking technologies, audio processing, 3DTV and mulit-view video, image watermarking, multimedia document search and retrieval, intelligent multimedia security and forensics, multimedia content management, image analysis and matching, coding, advanced image processing techniques, multimedia compressioin and optimization, multimedia security rights and management.

The ASI 'Topics in Atomic and Nuclear Collisions' was organized in Predeal from August 31 to September 11. It brought together people with a broad interest in Atomic and Nuclear Physics from several research institutes and universities in Ro mania and 16 other countries. The school continues a tradition that started on a small scale back in 1968, fo cussing mainly on current problems in nuclear physics. Though the organizing of this edition started very late and in very uncertain economic and financial conditions, it turned out to be the largest meeting of this type ever organized in Romania, both in topics and participation. There were many applicants for participation and grants, considerably more than could be handled. The selection made by the local organizing committee was based on the following criteria: a proper balance of atomic and nuclear physicists, a broad representation of people from Research Institutes and Universities, a balanced par ticipat!on with respect to age, sex, nationality and observance of ASI requirements.

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Lenovo System x® and BladeCenter® servers and Lenovo Flex System™ compute nodes help to deliver a dynamic infrastructure that provides leadership quality and service that you can trust. This document (simply known as xREF) is a quick reference guide to the specifications of the currently available models of each System x and BladeCenter server. Each page can be used in a stand-alone format and provides a dense and comprehensive summary of the features of that particular server model. Links to the related Product Guide are also provided for more information. An easy-to-remember link you can use to share this guide: <http://lenovopress.com/xref> Also available is xREF for Products Withdrawn Prior to 2012, a document that contains xREF sheets of System x, BladeCenter, and xSeries servers, and IntelliStation workstations that were withdrawn from marketing prior to 2012. Changes in the May 18 update: Added the Flex System Carrier-Grade Chassis See the Summary of changes in the document for a complete change history.

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