

Atm Comparison Guide 2014

This book aims to perform an impartial analysis to evaluate the implications of the environmental costs and impacts of a wide range of technologies and energy strategies. This information is intended to be used to support decision-making by groups, including researchers, industry, regulators, and policy-makers. Life cycle assessment (LCA) and technoeconomic analysis can be applied to a wide variety of technologies and energy strategies, both established and emerging. LCA is a method used to evaluate the possible environmental impacts of a product, material, process, or activity. It assesses the environmental impact throughout the life cycle of a system, from the acquisition of materials to the manufacture, use, and final disposal of a product. Technoeconomic analysis refers to cost evaluations, including production cost and life cycle cost. Often, in order to carry out technoeconomic analysis, researchers are required to obtain data on the performance of new technologies that operate on a very small scale in order to subsequently design configurations on a commercial scale and estimate the costs of such expansions. The results of the developed models help identify possible market applications and provide an estimate of long-term impacts. These methods, together with other forms of decision analysis, are very useful in the development and improvement of energy objectives, since they will serve to compare different decisions, evaluating their political and economic feasibility and providing guidance on potential financial and technological risks.

Give your students a strong foundation in Java programming and the confidence to build successful mobile applications. ANDROID BOOT CAMP FOR DEVELOPERS USING JAVA: A GUIDE TO CREATING YOUR FIRST ANDROID APPS, by award-winning technology author Corinne Hoisington, helps prepare students with a thorough introduction to Java and the keys to creating effective mobile applications. Designed for a first-semester course in programming, the book can be used by students with no prior Java experience. The book offers an intensive, hands-on tutorial approach with clear, step-by-step instruction and numerous screen shots to guide readers efficiently through tasks with real-life app examples. Practical callouts and industry tips, exercises that extend learning beyond the book, and a variety of leveled cases and assignments help reinforce students' understanding of programming logic and Java tools for Android. Effectively prepare student programmers to meet growing business demand for mobile apps with this engaging text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book explores the ways in which the adoption of new paradigms, processes, and technologies can lead to greater revenue, cost efficiency and control, as well as improved business agility in the insurance industry.

Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. --Master Cisco CCIE R&S v5.0 exam topics, including BGP, QoS, WANs, IP multicast, security, and MPLS --Assess your knowledge with chapter-opening quizzes --Review key concepts with exam preparation tasks This is the eBook edition of the CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert instructors Narbik Kocharians and Terry Vinson share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This second of two volumes covers IP BGP routing, quality of service (QoS), wide area networks, IP multicast, network security, and Multiprotocol Label Switching (MPLS) topics. This complete study package includes --A test-preparation routine proven to help you pass the exams --"Do I Know This Already?" quizzes, which enable you to decide how much time you need to spend on each section --Chapter-ending exercises, which help you drill on key concepts you must know thoroughly --The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports --A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies --Study plan suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. The official study guide helps you master topics on the CCIE Routing and Switching v5.0 exams, including: --BGP operations and routing policies --QoS --WANs --IP Multicast --Device and network security and tunneling technologies --MPLS

Violent Crimes Against Property

Air Traffic Management

The Guide for Business and Technology Managers

Tuberculosis: A Clinical Practice Guide

Drones

World Development Indicators 2014

Lubkin's Chronic Illness, Ninth Edition is an essential text for nursing students who seek to understand the various aspects of chronic illness affecting both patients and the only text of its kind that truly addresses not only the physical aspects but the important psychosocial issues that individuals and families deal with on a daily basis. An application to practice-based approach by covering impact/issues, interventions and outcomes. The Ninth Edition has been heavily revised to include updated and expanded content on the illness experience, health policy, uncertainty and the advanced practice nurse in chronic illness. Each chapter employs a theoretical approach to the concept followed by an impact or issues of the concept, nursing interventions and potential outcomes. Two new chapters focused on Loss and Spirituality have also been included. New to this edition are Expanded personal and real-life comments from the perspective of the caregiver.

This book conveys, in a self-contained manner, the fundamental concepts for classifying types of contact, the essential mathematical methods for the formulation of contact problems and the numerical methods required for their solution. In addition to the methodologies, it covers a broad range of applications, including contact problems in mechanics, microelectronics and nanomechanics. All chapters provide both substantial background on the theory and numerical methods, and in-depth treatments of cutting-edge research and applications. The book is primarily intended for doctoral students of applied mathematics, mechanics, engineering and physics with a strong interest in the theoretical and numerical simulation and experimental characterization of contact problems in technology. It will also benefit researchers in the above mentioned and neighbouring fields in academia or at private research and development centres who are interested in a concise yet comprehensive overview of contact mechanics, from its fundamental mechanical background, to the computational methods and the experimental techniques currently available for the solution of contact problems.

This book constitutes the refereed proceedings of the 20th International Working Conference on Requirements Engineering: Foundation for Software Quality, REFSQ 2013, Essen, Germany, in April 2013. The 23 papers presented together with 1 keynote were carefully reviewed and selected from 62 submissions. The REFSQ'15 conference is a three-day symposium. The REFSQ'15 has chosen a special conference theme "I heard it first at RefsQ". Two conference days were devoted to presentation and discussion of papers. The two days connect to the conference theme with a keynote, an invited talk and poster presentations. There were two parallel tracks on the third day: the new Research Methodology Track. REFSQ 2015 seeks reports of novel ideas and techniques that enhance the quality of RE's products and processes, as well as reports on current research and industrial RE practices.

Do you know how banking and money will look like in the new digital age? This book collects the voices of leading scholars, entrepreneurs, policy makers and consultants whose expertise and keen analytical skills, are best positioned to picture from various angles the ongoing technological revolution in banking and finance. You will learn how borrowing can exist without banks; how new forms of money can compete to better serve different society needs; how new technologies are banking the unbanked and the poorest parts of the world, and how ideas and small projects can be financed by the crowds without the need to rely upon banks. You will learn how, in the new digital age, to interact with new self-organised and autonomous companies that operate without any human involvement, based on a set of programmed and incorruptible rules. You will learn how new business models will emerge thanks to technology-enabled platforms, upon which one can build new forms of non-hierarchical cooperation between strangers. And you will learn that new forms of risks and threats are emerging that will destabilise our systems and jeopardise the stability of our financial order.

Wiley CPAexcel Exam Review 2014 Study Guide

Safety Risk Management for the Next Evolution of Flight

Modeling and Simulation of Tribological Problems in Technology

Business Innovation in the Post-Crisis Era

CCIE Routing and Switching v5.0 Official Cert Guide, Volume 1, Fifth Edition

Commodity Option Pricing

Note: This book was previously published in print format as "Landed: The guide to buying property in Japan," ISBN 978-98817147-3-2. The ebook edition contains a new introduction. Landed: The guide to buying property in Japan is a resource for anyone purchasing—or thinking of purchasing—real estate in Japan. Whether you're looking for a family home, a ski chalet or an investment property, Landed Japan will save you time, money and effort.

Ten Strategies of a World-Class Cyber Security Operations Center conveys MITRE's accumulated expertise on enterprise-grade computer network defense. It covers ten key qualities of leading Cyber Security Operations Centers (CSOCs), ranging from their structure and organization, to processes that best enable smooth operations, to approaches that extract maximum value from key CSOC technology investments. This book offers perspective and context for key decision points in structuring a CSOC, such as what capabilities to offer, how to architect large-scale data collection and analysis, and how to prepare the CSOC team for agile, threat-based response. If you manage, work in, or are standing up a CSOC, this book is for you. It is also available on MITRE's website, www.mitre.org.

Being able to make and receive payments is an essential facet of modern life. It is integral to the banking and finance systems, and it touches all global citizens. In some areas, payment systems are rapidly evolving - moving swiftly from paper payment instruments, to electronic, to real-time - but in others, underdeveloped payment systems hold back economic and social development. This book is intended to assist the reader in navigating the payments landscape. The author explores highly topical areas, such as the role of payment systems in enabling commerce to contribute to the development of emerging economies, the evolution of payment systems from paper instruments to computerization, the role of cryptocurrencies, and the slow decline of plastic credit and debit cards owing to alternative forms of payment being introduced. Altogether, this book provides a comprehensive overview of the evolution of payment and offers projections for the future, encouraging readers to explore their own predictions, using the framework that the book has provided. It is vital reading for technologists, marketers, executives and investors in the FinTech sector, as well as academics teaching business and technology courses.

This book, the first of a two-volume set, focuses on the basic physical principles of blackbody radiometry and describes artificial sources of blackbody radiation, widely used as sources of optical radiation, whose energy characteristics can be calculated on the base of fundamental physical laws. Following a review of radiometric quantities, radiation laws, and radiative heat transfer, it introduces the basic principles of blackbody radiators design, details of their practical implementation, and methods of measuring their defining characteristics, as well as metrological aspects of blackbody-based measurements. Chapters are dedicated to the effective emissivity concept, methods of increasing effective emissivities, their measurement and modeling using the Monte Carlo method, techniques of blackbody radiators heating, cooling, isothermalization, and measuring their temperature. An extensive and comprehensive reference source, this book is of considerable value to students, researchers,

and engineers involved in any aspect of blackbody radiometry.
CCIE Routing and Switching v5.0 Official Cert Guide Library
21st International Working Conference, REFSQ 2015, Essen, Germany, March 23-26, 2015. Proceedings

New Technologies in Cancer Diagnostics and Therapeutics
Alpha Bravo Brazil
Requirements Engineering: Foundation for Software Quality

Explains how to set up and customize QuickBooks to manage small business finances, covering such topics as creating invoices, tracking inventory, running payroll, monitoring sales, and securing data.

CCIE Routing and Switching v5.0 Official Cert Guide Library, Fifth Edition Assessment, review, and practice package for the CCIE R&S v5.0 exams Includes CCIE Routing and Switching v5.0 Official Cert Guide, Volume 1, Fifth Edition, and CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2, Fifth Edition. This is the eBook version of the print title. The eBook edition does not provide access to the test engine software or the practice tests that accompany the print book These official study guides help you master all the topics on the CCIE R&S v5.0 exams, including Virtual LANs and VLAN Trunking Spanning Tree Protocol (STP) IP services (ARP, NTP, DHCP, NAT, SNMP, NetFlow, and more) IPv2 and IPv4 EIGRP OSPFv2 and v3 IS-IS Route redistribution, route summarization, default routing, and performance routing BGP operations and routing policies QoS WANs IP Multicast Device and network security and tunneling technologies MPLS CCIE Routing and Switching v5.0 Official Cert Guide Library, Fifth Edition from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. In the two books included in this package, expert instructors Narbik Kocharians, Peter Palúch, and Terry Vinson share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The first volume covers LAN switching, IP networking, and IP IGP routing topics. The second volume covers IP BGP routing, quality of service (QoS), wide area networks, IP multicast, network security, and Multiprotocol Label Switching (MPLS) topics. Together, these two books cover all the topics on the new v5.0 blueprint. This complete study package includes A test-preparation routine proven to help you pass the exams “Do I Know This Already?” quizzes, which enable you to decide how much time you need to spend on each section Chapter-ending exercises, which help you drill on key concepts you must know thoroughly A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies Study plan suggestions and templates to help you organize and optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCIE Routing and Switching v5.0 Official Cert Guide Library, Fifth Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com. This volume is part of the Official Cert Guide series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears.

World Development Indicators (WDI) is the World Bank s premier annual compilation of data about development. This year s print edition and e-book have been redesigned to allow users the convenience of easily linking to the latest data on-line.

Single-cell omics is a progressing frontier that stems from the sequencing of the human genome and the development of omics technologies, particularly genomics, transcriptomics, epigenomics and proteomics, but the sensitivity is now improved to single-cell level. The new generation of methodologies, especially the next generation sequencing (NGS) technology, plays a leading role in genomics related fields; however, the conventional techniques of omics require number of cells to be large, usually on the order of millions of cells, which is hardly accessible in some cases. More importantly, harnessing the power of omics technologies and applying those at the single-cell level are crucial since every cell is specific and unique, and almost every cell population in every systems, derived in either vivo or in vitro, is heterogeneous. Deciphering the heterogeneity of the cell population hence becomes critical for recognizing the mechanism and significance of the system. However, without an extensive examination of individual cells, a massive analysis of cell population would only give an average output of the cells, but neglect the differences among cells. Single-cell omics seeks to study a number of individual cells in parallel for their different dimensions of molecular profile on genome-wide scale, providing unprecedented resolution for the interpretation of both the structure and function of an organ, tissue or other system, as well as the interaction (and communication) and dynamics of single cells or subpopulations of cells and their lineages. Importantly single-cell omics enables the identification of a minor subpopulation of cells that may play a critical role in biological process over a dominant subpopulation such as a cancer and a developing organ. It provides an ultra-sensitive tool for us to clarify specific molecular mechanisms and pathways and reveal the nature of cell heterogeneity. Besides, it also empowers the clinical investigation of patients when facing a very low quantity of cell available for analysis, such as noninvasive cancer screening with circulating tumor cells (CTC), noninvasive prenatal diagnostics (NIPD) and preimplantation genetic test (PGT) for in vitro fertilization. Single-cell omics greatly promotes the understanding of life at a more fundamental level, bring vast applications in medicine. Accordingly, single-cell omics is also called as single-cell analysis or single-cell biology. Within only a couple of years, single-cell omics, especially transcriptomic sequencing (scRNA-seq), whole genome

and exome sequencing (scWGS, scWES), has become robust and broadly accessible. Besides the existing technologies, recently, multiplexing barcode design and combinatorial indexing technology, in combination with microfluidic platform exemplified by Drop-seq, or even being independent of microfluidic platform but using a regular PCR-plate, enable us a greater capacity of single cell analysis, switching from one single cell to thousands of single cells in a single test. The unique molecular identifiers (UMIs) allow the amplification bias among the original molecules to be corrected faithfully, resulting in a reliable quantitative measurement of omics in single cells. Of late, a variety of single-cell epigenomics analyses are becoming sophisticated, particularly single cell chromatin accessibility (scATAC-seq) and CpG methylation profiling (scBS-seq, scRRBS-seq). High resolution single molecular Fluorescence in situ hybridization (smFISH) and its revolutionary versions (ex. seqFISH, MERFISH, and so on), in addition to the spatial transcriptome sequencing, make the native relationship of the individual cells of a tissue to be in 3D or 4D format visually and quantitatively clarified. On the other hand, CRISPR/cas9 editing-based In vivo lineage tracing methods enable dynamic profile of a whole developmental process to be accurately displayed. Multi-omics analysis facilitates the study of multi-dimensional regulation and relationship of different elements of the central dogma in a single cell, as well as permitting a clear dissection of the complicated omics heterogeneity of a system. Last but not the least, the technology, biological noise, sequence dropout, and batch effect bring a huge challenge to the bioinformatics of single cell omics. While significant progress in the data analysis has been made since then, revolutionary theory and algorithm logics for single cell omics are expected. Indeed, single-cell analysis exert considerable impacts on the fields of biological studies, particularly cancers, neuron and neural system, stem cells, embryo development and immune system; other than that, it also tremendously motivates pharmaceutical RD, clinical diagnosis and monitoring, as well as precision medicine. This book hereby summarizes the recent developments and general considerations of single-cell analysis, with a detailed presentation on selected technologies and applications. Starting with the experimental design on single-cell omics, the book then emphasizes the consideration on heterogeneity of cancer and other systems. It also gives an introduction of the basic methods and key facts for bioinformatics analysis. Secondary, this book provides a summary of two types of popular technologies, the fundamental tools on single-cell isolation, and the developments of single cell multi-omics, followed by descriptions of FISH technologies, though other popular technologies are not covered here due to the fact that they are intensively described here and there recently. Finally, the book illustrates an elastomer-based integrated fluidic circuit that allows a connection between single cell functional studies combining stimulation, response, imaging and measurement, and corresponding single cell sequencing. This is a model system for single cell functional genomics. In addition, it reports a pipeline for single-cell proteomics with an analysis of the early development of Xenopus embryo, a single-cell qRT-PCR application that defined the subpopulations related to cell cycling, and a new method for synergistic assembly of single cell genome with sequencing of amplification product by phi29 DNA polymerase. Due to the tremendous progresses of single-cell omics in recent years, the topics covered here are incomplete, but each individual topic is excellently addressed, significantly interesting and beneficial to scientists working in or affiliated with this field.

Ten Strategies of a World-Class Cybersecurity Operations Center

A Global Guide to FinTech and Future Payment Trends

Fundamentals of Clinical Data Science

Ultimate Guide to Outpatient Care

A Guide to Banking Services in the Twenty-First Century

Life Cycle & Technoeconomic Modeling

Doing Business and Investing in Malaysia Guide - Strategic and Practical Information

Tuberculosis is an infection of the lungs caused by Mycobacterium tuberculosis and related species. It is prevalent in tropical regions and continues to occur in more than 10 million new individuals annually and despite many advances in medicine, still results in 1.3 million deaths annually. This clinical practice handbook presents information on all topics related to the disease, including its epidemiology, microbiology, clinical features, diagnostic procedures, treatments, BCG vaccination and infection control in health facilities. Special topics such as the treatment of tuberculosis in pediatric patients, surgery, multi-drug resistance and adverse reactions to tuberculosis drugs are also covered. Information is presented in 16 simple easy-to read chapters with key figures, tables and references that help to explain relevant topics. Tuberculosis: A Clinical Practice Guide is an ideal reference manual for medical students and healthcare personnel seeking information about tuberculosis.

Commodity Option Pricing: A Practitioner's Guide covers commodity option pricing for quantitative analysts, traders or structurers in banks, hedge funds and commodity trading companies. Based on the author's industry experience with commodity derivatives, this book provides a thorough and mathematical introduction to the various market conventions and models used in commodity option pricing. It introduces the various derivative products typically traded for commodities and describes how these models can be calibrated and used for pricing and risk management. The book has been developed with input from traders and examples using real world data, together with relevant up to date academic research. The book includes practical descriptions of market conventions and quote codes used in commodity markets alongside typical products seen in broker quotes and used in calibration. Also discussed are commodity models and their mathematical derivation and

volatility surface modelling for traded commodity derivatives. Gold, silver and other precious metals are addressed, including gold forward and gold lease rates, as well as copper, aluminium and other base metals, crude oil and natural gas, refined energy and electricity. There are also sections on the products encountered in commodities such as crack spread and spark spread options and alternative commodities such as carbon emissions, weather derivatives, bandwidth and telecommunications trading, plastics and freight. Commodity Option Pricing is ideal for anyone working in commodities or aiming to make the transition into the area, as well as academics needing to familiarize themselves with the industry conventions of the commodity markets.

The perfect way to prepare for exams, build problem-solving skills, and get the grade you want! For Chapters 1-22, this manual contains detailed solutions to approximately 20% of the problems per chapter (indicated in the textbook with boxed problem numbers). The manual also features a skills section, important notes from key sections of the text, and a list of important equations and concepts. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Upstate New York

12th International Conference, ICSI 2021, Qingdao, China, July 17–21, 2021, Proceedings, Part II

Implementing SAP® CRM

Android Boot Camp for Developers Using Java: A Guide to Creating Your First Android Apps

Advances in Swarm Intelligence

Study Guide with Student Solutions Manual, Volume 1 for Serway/Jewett's Physics for Scientists and Engineers

Soil is the most important natural non-renewable resource developed over a longer period of time due to weathering of rocks and subsequently enrichment of organic matter. Soil provides habitat for numerous microorganisms and serves as a natural medium for plant growth, thereby providing the plants with anchorage, nutrients and water to sustain the growth. Soil also serves as a universal sink for all types of pollutants, purifies ground water and is a major reserve of carbon in the universe. The role of soils to provide ecosystem services, maintenance of environmental/human health and ensuring the food security makes it as the most important and basic natural resource. Soil Science helps us to elaborate and understand how the soils provide all these services. Soil Science also provides us the basic knowledge dealing with the origin of the soil parent material, weathering of parent material and the formation of soils, morphological, physico-chemical and biological features of soils, classification of soils and role of soils in the provision and maintenance of ecosystem services, food security and environmental quality. This book encompasses the various processes, functions and behaviour of soils very comprehensively to acquaint the students of soil, plant and environmental sciences about their role to perform different agricultural and environmental functions.

Everything today's CPA candidates need to pass the CPA Exam Published annually, this Auditing and Attestation volume of the comprehensive four-volume paperback reviews all current AICPA content requirements in auditing and attestation. Many of the questions are taken directly from previous CPA exams. With 2,800 multiple-choice questions in all four volumes, these study guides provide all the information candidates need to master in order to pass the computerized Uniform CPA Examination. Its unique modular format helps you zero in on those areas that need more attention and organize your study program. Complete sample exam The most effective system available to prepare for the CPA exam—proven for over thirty years Timely—up-to-the-minute coverage for the computerized exam Contains all current AICPA content requirements in auditing and attestation Unique modular format—helps candidates zero in on areas that need work, organize their study program, and concentrate their efforts Comprehensive questions—over 2,800 multiple-choice questions and their solutions in the four volumes Guidelines, pointers, and tips—show how to build knowledge in a logical and reinforcing way Other titles by Whittington: Audit Sampling: An Introduction, Fifth Edition Wiley CPA Exam Review 2014 arms test-takers with detailed outlines, study guidelines, and skill-building problems to help candidates identify, focus on, and master the specific topics that need the most work.

This open access book comprehensively covers the fundamentals of clinical data science, focusing on data collection, modelling and clinical applications. Topics covered in the first section on data collection include: data sources, data at scale (big data), data stewardship (FAIR data) and related privacy concerns. Aspects of predictive modelling using techniques such as classification, regression or clustering, and prediction model validation will be covered in the second section. The third section covers aspects of (mobile) clinical decision support systems, operational excellence and value-based healthcare. Fundamentals of Clinical Data Science is an essential resource for healthcare professionals and IT consultants intending to develop and refine their skills in personalized medicine, using solutions based on large datasets from electronic health records or telemonitoring programmes. The book's promise is "no math, no code" and will explain the topics in a style that is optimized for a healthcare audience.

The book presents a qualitative and quantitative approach to understanding, managing, and collaborating outpatient care. Utilizing a sound theoretical and practical foundation and illustrating procedural techniques through scientific examples, this book provides a comprehensive overview of outpatient care whether it occurs via telemedicine or in a hospital, clinic, prison, school, or other settings.

Wiley CPAexcel Exam Review 2015 Study Guide (January)

A Practitioner's Guide

Volume 1: Fundamentals

Malaysia: Doing Business, Investing in Malaysia Guide Volume 1 Strategic, Practical Information, Regulations, Contacts

Enzymes for Solving Humankind's Problems

Fluid Therapy in Animals

Air Traffic Management: Economics Regulation and Governance provides the latest insights on approaches and issues surrounding the economic regulation and governance of air traffic management (ATM). The book begins by explaining what ATM is, showing its importance within the aviation industry. It then outlines the unique institutional characteristics that govern ATM, also discussing its implications for economic regulation and investment. Technological developments and the issues and approaches to safety regulation are also covered, as are the implications ATM has on airports. The book concludes with an exploration of future directions, including the entry of drones into airspace and the introduction of competition in ATM services. Air traffic management plays a critical role in air transport, impacting both air safety and the efficiency of air services. Yet air navigation services are shifting from government provision to private industry, creating the need for more critical analysis of governance and economic regulation within the ATM industry. Consolidates the latest economic regulation and reform material regarding air traffic management. Provides numerous practical examples and real-world case studies drawn from around the globe. Explores economic regulation in both larger and smaller economies. Written from an objective, informed and practical perspective by an experienced regulation practitioner and researcher.

The DK Eyewitness Argentina Travel Guide is your indispensable guide to this beautiful part of the world. The fully updated guide includes unique cutaways, floorplans and reconstructions of the must-see sites, plus street-by-street maps of all the fascinating cities and towns. The new-look guide is also packed with photographs and illustrations leading you straight to the best attractions on offer. Now available in PDF format. The uniquely visual DK Eyewitness Travel guide will help you to discover everything region-by-region; from local festivals and markets to day trips around the countryside. Detailed listings will guide you to the best hotels, restaurants, bars and shops for all budgets, whilst detailed practical information will help you to get around, whether by train, bus or car. Plus, DK's excellent insider tips and essential local information will help you explore every corner of Argentina effortlessly. DK Eyewitness Argentina Travel Guide - showing you what others only tell you.

This two-volume set LNCS 12689-12690 constitutes the refereed proceedings of the 12th International Conference on Advances in Swarm Intelligence, ICSI 2021, held in Qingdao, China, in July 2021. The 104 full papers presented in this volume were carefully reviewed and selected from 177 submissions. They cover topics such as: Swarm Intelligence and Nature-Inspired Computing; Swarm-based Computing Algorithms for Optimization; Particle Swarm Optimization; Ant Colony Optimization; Differential Evolution; Genetic Algorithm and Evolutionary Computation; Fireworks Algorithms; Brain Storm Optimization Algorithm; Bacterial Foraging Optimization Algorithm; DNA Computing Methods; Multi-Objective Optimization; Swarm Robotics and Multi-Agent System; UAV Cooperation and Control; Machine Learning; Data Mining; and Other Applications.

This book presents specific key natural and artificial systems that are promising biocatalysts in the areas of health, agriculture, environment and energy. It provides a comprehensive account of the state of the art of these systems and outlines the significant progress made in the last decade using these systems to develop innovative, sustainable and environmentally friendly solutions. Chapters from expert contributors explore how natural enzymes and artificial systems tackle specific targets such as: climate change, carbon footprint and economy and carbon dioxide utilisation; nitrogen footprint and fixation and nitrous oxide mitigation; hydrogen production, fuel cells and energy from bacteria; biomass transformation and production of added-value compounds, as well as biosensors development. This book provides an important and inspiring account for the designing of new natural and artificial systems with enhanced properties, and it appeals not only to students and researchers working in the fields of energy, health, food and environment, but also to a wider audience of educated readers that are interested in these up-to-date and exciting subjects. Chapter "Carbon Dioxide Utilisation—The Formate Route" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

A Revised Framework

Introduction to Single Cell Omics

The Finding Guide to AIAA Meeting Papers
Auditing and Attestation
Digital Insurance

Natural and Artificial Systems in Health, Agriculture, Environment and Energy

This book is an everything-included approach to understanding drones, creating an organization around using unmanned aircraft, and outlining the process of safety to protect that program. It is the first-of-a-kind safety-focused text book for unmanned aircraft operations, providing the reader with a required understanding of hazard identification, risk analysis, mitigation, and promotion. It enables the reader to speak the same language as any civil aviation authority, and gives them the toolset to create a safety risk management program for unmanned aircraft. The main items in this book break down into three categories. The first approach is understanding how the drone landscape has evolved over the last 40 years. From understanding the military components of UAS to the standards and regulations evolution, the reader garners a keen understanding of where we came from and why it matters for moving forward. The second approach is in understanding how safety risk management in aviation can be applied to drones, and how that fits into the regulatory and legislative environment internationally. Lastly, a brief synopsis of the community landscape for unmanned aircraft is outlined with interviews from important leaders and stakeholders in the marketplace. Drones fills a gap in resources within the unmanned aircraft world. It provides a robust understanding of drones, while giving the tools necessary to apply for a certificate of authorization, enabling more advanced flight operations for any company, and developing safety risk management tools for students and career professionals. It will be a mainstay in all safety program courses and will be a required tool for any and all individuals looking to operate safely and successfully in the United States.

In today's competitive business environment, most companies realize that the better they can manage their customer relationships, the more successful they will become. Customer Relationship Management (CRM) software systems are key tools for companies to manage the customer-facing processes of their businesses. However, many companies have resisted implementing this most critical customer-oriented application due in large part to the lack of a single-point resource on implementing a CRM system. This book attempts to fill that gap. Implementing SAP® CRM will help technologists and managers come to grips with the vision, concept, and technology of CRM. It begins by laying out the groundwork for understanding CRM. It explains the concept and context of CRM and the tangible business benefits of CRM adoption. Demonstrating a professional approach to the evaluation and selection of SAP, it details the critical success factors (CSFs), patterns, and anti-patterns of a successful SAP CRM implementation. CRM implementations can add significant benefit to the company's bottom line only if the company first transforms itself into a customer-centric and customer-responsive enterprise. This book explains what it means to be a customer-centric and responsive enterprise, and provides a framework for business operations based on customer relationships, rather than the traditional four Ps (product, positioning, price, promotion). It further spells out business process reengineering (BPR) strategies to configure internal business processes and operations with SAP CRM to improve customer-facing strategies, services, and relationships.

In Brazil, what is known as Criminal Faction, a term used in academic and journalistic circles that has no particular definition, does not correspond to what is understood as Criminal Organization. This notion comes from the Palermo Convention and offers the Italian perspective on an issue related to mafia groups. It also reflects that we try to find in other countries solutions to issues that we alone have and Brazilians' low-self-reliance dilemmas, which the playwright and writer Nelson Rodrigues referred to as the "mongrel complex." This work, written by personnel of the police and the Public Prosecutor's Office, is a collection of studies conducted in Brazil that use Comparative Law to answer pressing national issues. It offers a new and fresh look at Public Safety and Police Science matters without being parochial or seeking for extraneous solutions.

ESP IT
14 Android iOS
IT

CCIE Routing and Switching v5.0 Official Cert Guide, Volume 2

IT

Economics, Regulation and Governance

Exa 21 Of Cer Gui ePub_5

Landed Japan