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The small business is an often underestimated asset of both the modern economy and the commercial workforce. Those employed by small businesses make up a large percentage of both the U.S. and Canadian populations, and with the internet and other technologies connecting us like never before, the opportunity is present for even the smallest company to reach a global scale. Strategic Utilization of Information Systems in Small Business explores the possibilities not just in expanding a business, but in assisting a business in meeting its full potential, no matter its size. Including a variety of perspectives on what it means to be a small business and how to bring that business to maturity, this book is an essential reference source for small business owners, managers, and employees, as well as students, researchers, and aspiring entrepreneurs. This publication features chapters on the different aspects of management processes, e-commerce, and e-businesses, including the characteristics of a smart entrepreneur, success vs. failure, longevity, technology adoption, the types of different information systems and how to implement them, data and decision making, theories for investigating small businesses, business strategy, and competitive advantage.

Technological developments have created new opportunities for contemporary businesses. Online stores can now utilize a specific branch of marketing in order to

maximize the revenue of their business and increase website traffic. Driving Traffic and Customer Activity Through Affiliate Marketing is an essential reference publication highlighting the latest scholarly research on the method of increasing online business traffic and sales by external referrals. Featuring extensive coverage on a broad range of topics and perspectives such as networking, program management, and customer satisfaction, this book is ideally designed for academicians, practitioners, and students seeking current information on ways to increase customer activity.

Up-to-Date Coverage of Microwave Transmission Networks Fully revised for the latest North American and ITU standards, Microwave Transmission Networks, Second Edition covers all stages of terrestrial point-to-point microwave network build-out, from planning and feasibility studies to system deployment and testing. This definitive volume is thoroughly updated with new information, including details on the impact of Ethernet and IP communications on microwave links. Useful formulas for solving microwave design-related problems are contained in this practical resource. Find out how to: Plan, design, and build microwave point-to-point networks Determine network capacity, dimensions, architecture, budget, schedules, and work force requirements Understand microwave link engineering Calculate loss/attention, fading and fade margins, and link quality and availability Perform interference analysis Determine, procure, and install required hardware and power systems Manage the microwave project and its regulatory issues, ethical dilemmas, logistical concerns, and organizational challenges

Test the microwave system throughout every stage of development and deployment Handle maintenance, troubleshooting, and upgrades
Although there are many competing visions of information infrastructure, there is universal agreement that standards will play a critical role. The history of OSI, the Internet, and industry consortia shows that standards development has become a rich, multifaceted process, critically linked to market strategy and major issues of public policy. The thirty-three contributions to this book present a comprehensive picture of the state of the art in standards development for information technology and the options for federal policy. The book includes both independent analysis and the perspectives of major stakeholders and other interested parties--such as AT&T, the American National Standards Institute, the European Commission, and the Society of Motion Picture and Television Engineers. A Publication of the Information Infrastructure Project at Harvard University
In fields as diverse as research and development, governance, and international trade, success depends on effective communication. However, limited research exists on how professionals can express themselves consistently across disciplines. Modern Trends Surrounding Information Technology Standards and Standardization within Organizations showcases the far-ranging economic and societal ramifications incited by technical standardization between individuals, organizations, disciplines, and nations. This publication serves as a valuable model for inter-disciplinary scholars, IT

researchers, and professionals interested in the link between technology and social change in an increasingly networked and interconnected global society.

It is clear that the digital age has fully embraced music production, distribution, and transcendence for a vivid audience that demands more music both in quantity and versatility. However, the evolving world of digital music production faces a calamity of tremendous proportions: the asymmetrically increasing online piracy that devastates radio stations, media channels, producers, composers, and artists, severely threatening the music industry. Digital Tools for Computer Music Production and Distribution presents research-based perspectives and solutions for integrating computational methods for music production, distribution, and access around the world, in addition to challenges facing the music industry in an age of digital access, content sharing, and crime. Highlighting the changing scope of the music industry and the role of the digital age in such transformations, this publication is an essential resource for computer programmers, sound engineers, language and speech experts, legal experts specializing in music piracy and rights management, researchers, and graduate-level students across disciplines.

The most comprehensive, current guide to networking Build and administer high-performance networks of all sizes—from small home systems to enterprise internetworks—using the practical information in this detailed resource. Thoroughly revised to cover the latest technologies, Networking: The Complete Reference, Third

Edition offers concise explanations, start-to-finish deployment plans, real-world examples, and expert tips. Find out how to select a networking protocol, connect devices, set up wireless LANs and WANs, configure Internet servers, virtualize your network, and migrate to the cloud. Cutting-edge backup, tuning, and security techniques are fully explained. Filled with proven solutions to a wide array of networking issues, this comprehensive guide is ideal for beginners and seasoned IT professionals alike. Design, configure, and administer wireless and wired networks Work with interface cards, hubs, routers, switches, and repeaters Understand Ethernet, Token Ring, TCP/IP, and IPX protocols Build wireless LANs using WiFi, IEEE 802.11, and Bluetooth technology Deploy server clusters, multiprocessors, and Fibre Channel connections Deliver Web, FTP, e-mail, and Active Directory services Implement a cloud-based network infrastructure Set up, configure, and manage virtual networks Handle troubleshooting and network security Connect Macintosh and Unix systems to Windows networks

As technology continues to evolve in organizations, it is vital to understand the impact that these advances will have on different aspects of the business environment as well as the opportunity for further improvement. Effects of IT on Enterprise Architecture, Governance, and Growth explores the influence of emerging technology on different viewpoints associated with contemporary enterprise. Emphasizing an interdisciplinary approach to the comprehension of organizational structure and dynamics, this book is

an inclusive reference source for enterprise analysts, business managers, and IT managers, as well as upper-level students interested in a new framework for understanding business enterprise in the new digital era.

Conogethes is a group of moths distributed in Austral-Asian region from India to New Guinea, the Solomon Islands and Australia.The moths are also found in Hawaii and Great Britain. Conogethes is mostly known for the economic impact of its larvae on agricultural crops. Substantial research has been undertaken in order to understand the biology of these harmful insects and to develop strategies to confine their impact. Research on chemical communication between males and females via sex pheromones is in progress.Recent research has also focused on the acoustic communication of Conogethes. The moths can feed on more than 200 plants in diversified habitats. The borer moths have become major pest on Horticultural , Agricultural,Avenue trees and forest trees. Its a pest of Quarantine importance as it has been found in Exportable commodities. The book contains 22 chapters from a dozen countries. The authors are from China, Vietnam, Australia, Sri Lanka, Malaysia, Norway etc. This is the first book on the pest globally where interesting insights are provided. This is one of the book of its kind on single pest dealing with almost all aspects of its biology and management on cultivated crops.

Updated and easy-to-use, Linne & Ringsrud's Clinical Laboratory Science: The Basics and Routine Techniques, 6th Edition delivers a fundamental overview of the laboratory

skills and techniques essential for success in your classes and your career. Author Mary Louise Turgeon's simple, straightforward writing clarifies complex concepts, and a discipline-by-discipline approach helps you build the knowledge to confidently perform clinical laboratory tests and ensure accurate, effective results. Expert insight from respected educator and author Mary Louise Turgeon reflects the full spectrum of clinical laboratory science. Engaging full-color design and illustrations familiarize you with what you'll see under the microscope. Streamlined approach makes must-know concepts and practices more accessible. Broad scope provides an ideal introduction to clinical laboratory science at various levels, including MLS/MLT and Medical Assisting. Hands-on procedures guide you through the exact steps you'll perform in the lab. Learning objectives help you identify key chapter content and study more effectively. Case studies challenge you to apply concepts to realistic scenarios. Review questions at the end of each chapter help you assess your understanding and identify areas requiring additional study. A companion Evolve website provides convenient online access to procedures, glossary, audio glossary and links to additional information. Updated instrumentation coverage familiarizes you with the latest technological advancements in clinical laboratory science. Perforated pages make it easy for you to take procedure instructions with you into the lab. Enhanced organization helps you study more efficiently and quickly locate the information you need. Convenient glossary provides fast, easy access to definitions of key terms.

"This book offers insights into issues, challenges, and solutions related to the successful application and management aspects of electronic business, providing a comprehensive framework for researchers and practitioners in understanding the growing demand of e-business research"--Provided by publisher.

This book constitutes the refereed proceedings of the Third Asia Information Retrieval Symposium, AIRS 2006. The book presents 34 revised full papers and 24 revised poster papers. All current issues in information retrieval are addressed: applications, systems, technologies and theoretical aspects of information retrieval in text, audio, image, video and multi-media data. The papers are organized in topical sections on text retrieval, search and extraction, text classification and indexing, and more.

McGraw-Hill's Compilation of Data Communications StandardsHandbook of Research on E-Business Standards and Protocols: Documents, Data and Advanced Web TechnologiesDocuments, Data and Advanced Web TechnologiesIGI Global

The advancement of technology is a standard of modern daily life, whether it be the release of a new cellphone, computer, or a self-driving car. Due to this constant advancement, the networks on which these technologies operate must advance as well. Innovations in Software-Defined Networking and Network

Functions Virtualization is a critical scholarly publication that observes the advances made in network infrastructure through achieving cost efficacy while maintaining maximum flexibility for the formation and operation of these networks. Featuring coverage on a broad selection of topics, such as software-defined storage, openflow controller, and storage virtualization, this publication is geared toward professionals, computer engineers, academicians, students, and researchers seeking current and relevant research on the advancements made to network infrastructures.

This book provides a review of the principles and methods of drainage with an emphasis on design. The whole field of drainage is covered, and although the book concentrates mainly on the practice in North America, Europe and Britain, the practice in developing countries is also included. The book is directed primarily at the graduate engineer entering professional practice, but will also provide a useful reference for more senior engineers and for those in adjunct professions. Chapter 1 outlines the necessity for drainage on a large or small scale, for rural and urban areas. As the drainage engineer must decide how much unwanted water there will be and when it will occur, the chapter discusses climatic types, prediction of rainfall, evapotranspiration effects, return periods (of design storms and runoff events), river flow and flood prediction, and various

sensing systems for providing short term predictions of rainfall, runoff, streamflow and flood warning. Chapter 2 gives a thorough review of the properties of soil in the context of drainage design. The extensive mathematical theories which relate to the crucial area of soil water movement are outlined and due attention is paid to the growing importance of predicting soil water movement in partially saturated soils.

In the age of corporate responsibility, green technology and sustainability continue to grip the consciousness of businesses. However, the development of appropriate business-driven green computing applications requires an awareness of the best practices of the green agenda. Green Computing Strategies for Competitive Advantage and Business Sustainability provides emerging research on maintaining an eco-friendly environment regarding cloud computing and promoting reusability. While highlighting competitive advantages, power consumption, and project evaluation, readers will learn about various techniques for reducing energy consumption in cloud performance and information technology systems. This book is a vital resource for academics, researchers, students, professionals, and managers interested in novel trends in green computing applications and technology.

As the world becomes digitalized, developing countries are starting to see an

increase in technological advancements being integrated into their society. These advancements are creating opportunities to improve both the economy and the lives of people within these areas. Affordability Issues Surrounding the Use of ICT for Development and Poverty Reduction is a relevant scholarly publication that examines the importance of information and communications technology (ICT) and its ability to aid in developing countries and the methods to make such technologies more accessible and cost less. Featuring coverage on a wide range of topics, including community networks, infrastructure sharing, and the digital divide, this book is geared toward academics, technology developers, researchers, students, practitioners, and professionals interested in the importance of understanding technological innovations.

"This book examines related research in decision, management, and other behavioral sciences in order to exchange and collaborate on information among business, industry, and government, providing innovative theories and practices in operations research"--Provided by publisher.

The growing presence of smart phones and smart devices has caused significant changes to wireless networks. With the ubiquity of these technologies, there is now increasingly more available data for mobile operators to utilize. Big Data Applications in the Telecommunications Industry is a comprehensive reference

source for the latest scholarly material on the use of data analytics to study wireless networks and examines how these techniques can increase reliability and profitability, as well as network performance and connectivity. Featuring extensive coverage on relevant topics, such as accessibility, traffic data, and customer satisfaction, this publication is ideally designed for engineers, students, professionals, academics, and researchers seeking innovative perspectives on data science and wireless network communications.

Electrical Overstress (EOS) continues to impact semiconductor manufacturing, semiconductor components and systems as technologies scale from micro- to nano-electronics. This bookteaches the fundamentals of electrical overstress and how to minimize and mitigate EOS failures. The text provides a clear picture of EOS phenomena, EOS origins, EOS sources, EOS physics, EOS failure mechanisms, and EOS on-chip and system design. It provides an illuminating insight into the sources of EOS in manufacturing, integration of on-chip, and system level EOS protection networks, followed by examples in specific technologies, circuits, and chips. The book is unique in covering the EOS manufacturing issues from on-chip design and electronic design automation to factory-level EOS program management in today's modern world. Look inside for extensive coverage on: Fundamentals of electrical overstress, from EOS

physics, EOS time scales, safe operating area (SOA), to physical models for EOS phenomena EOS sources in today's semiconductor manufacturing environment, and EOS program management, handling and EOS auditing processing to avoid EOS failures EOS failures in both semiconductor devices, circuits and system Discussion of how to distinguish between EOS events, and electrostatic discharge (ESD) events (e.g. such as human body model (HBM), charged device model (CDM), cable discharge events (CDM), charged board events (CBE), to system level IEC 61000-4-2 test events) EOS protection on-chip design practices and how they differ from ESD protection networks and solutions Discussion of EOS system level concerns in printed circuit boards (PCB), and manufacturing equipment Examples of EOS issues in state-of-the-art digital, analog and power technologies including CMOS, LDMOS, and BCD EOS design rule checking (DRC), LVS, and ERC electronic design automation (EDA) and how it is distinct from ESD EDA systems EOS testing and qualification techniques, and Practical off-chip ESD protection and system level solutions to provide more robust systems Electrical Overstress (EOS): Devices, Circuits and Systems is a continuation of the author's series of books on ESD protection. It is an essential reference and a useful insight into the issues that confront modern technology as we enter the nano-electronic era.

Electronic business is a major force shaping the digital world. Yet, despite of years of research and standardization efforts, many problems persist that prevent e-business from achieving its full potential. Problems arise from different data vocabularies, classification schemas, document names, structures, exchange formats and their varying roles in business processes. Non-standardized business terminology, lack of common acceptable and understandable processes (grammar), and lack of common dialog rules (protocols) create barriers to improving electronic business processes. Handbook of Research on E-Business Standards and Protocols: Documents, Data and Advanced Web Technologies contains an overview of new achievements in the field of e-business standards and protocols, offers in-depth analysis of and research on the development and deployment of cutting-edge applications, and provides insight into future trends. This book unites new research that promotes harmony and agreement in business processes and attempts to choreograph business protocols and orchestrate semantic alignment between their vocabularies and grammar. Additionally, this Handbook of Research discusses new approaches to improving standards and protocols, which include the use of intelligent agents and Semantic Web technology.
The book, Teaching ELLs Across Content Areas: Issues and Strategies, is a unique, useful text written for K–12 teachers. This book is the culmination of the professional knowledge, expertise, and experience from the distinguished authors who represent the entire range of the content areas, including: language arts, science, mathematics, technology, arts, psychology, and Hispanic studies. The ELL school population has reached 5.3 million with the increase rate of 51 percent from School Year 1998-1999 to 2008-2009 (NCELA, 2012). By 2025, one out of four K-12 students will be ELLs (NEA Policy Brief, 2013). The NEA data states that the ELLs

are the fastest-growing student population group in our schools and providing them with high-quality services and programs is an important investment in America's future (NEA Policy Brief, 2013). With the fast growth of the ELLs in schools, basic information and strategies are needed by all K-12 teachers. This book provides useful information and strategies for all K-12 teachers in content classrooms. This book has three significances. First, the book provides the most needed information for K-12 teachers with issues and strategies that are important in content areas to help ELLs' success. With the fast growth of the ELLs in schools, K-12 teachers need this information in content classrooms. Second, the book fills the gap related to teaching ELLs in content areas. There are some existing books with titles on teaching ELLs across content areas; yet, these books provide general information with fewer books that really address specific content topics. This book is unique because it has the dedicated chapters for specific content areas, e.g., Language Arts, Science, Math, Social Studies with issues and strategies in these respective contents as well as general information, e.g., L2 theories for teachers to know and work with ELLs. Third, the book is reader-friendly with carefully crafted chapters. Each chapter begins with a scenario to catch the reader's attention, is followed by issues and strategies, and ends with a summary. A scenario begins with each chapter for teachers to get to know the ELLs with the content that focuses on the related information and teaching strategies. With the continued increase in the ELL school population, this book is intended helping all K-12 teachers in content areas have knowledge and strategies to better serve their ELLs.

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