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Computer Networking: A Top-Down Approach Featuring the Internet, 3/e Pearson Education India A Practical Approach to Corporate Networks Engineering CRC Press A Practical Approach to Corporate Networks Engineering is dedicated to corporate network design and engineering, covering the different levels of network design and deployment. The main theoretical concepts are explained and the different functioning mechanisms are illustrated with practical experiments. Using an open source network simulator that is able to emulate real network equipment and run concrete network scenarios (Graphical Network Simulator), the authors present several realistic network scenarios that illustrate the different network protocols and mechanisms and can be easily replicated by readers at home. Readers will be able to configure the different network equipments, run the scenarios and capture traffic at the different network links on their own, ordinary PC, acquiring a deep knowledge of the underlying network protocols and mechanisms. This interactive and practical teaching approach is very motivating and effective, since students can easily follow the explanations that are given throughout the book, making this work a valuable addition to the existing literature. **Understanding Bitcoin Cryptography, Engineering and Economics John Wiley & Sons** Discover Bitcoin, the cryptocurrency that has the finance world buzzing Bitcoin is arguably one of the biggest developments in finance since the advent of fiat currency. With Understanding Bitcoin, expert author Pedro Franco provides finance professionals with a complete technical guide and resource to the cryptography, engineering and economic development of Bitcoin and other cryptocurrencies. This comprehensive, yet accessible work fully explores the supporting economic realities and technological advances of Bitcoin, and presents positive and negative arguments from various economic schools regarding its continued viability. This authoritative text provides a step-by-step description of how Bitcoin works, starting with public key cryptography and moving on to explain transaction processing, the blockchain and mining technologies. This vital resource reviews Bitcoin from the broader perspective of digital currencies and explores historical attempts at cryptographic currencies. Bitcoin is, after all, not just a digital currency; it's a modern approach to the secure transfer of value using cryptography. This book is a detailed guide to what it is, how it works, and how it just may jumpstart a change in the way digital value changes hands. Understand how Bitcoin works, and the technology behind it Delve into the economics of Bitcoin, and its impact on the financial industry Discover alt-coins and other available cryptocurrencies Explore the ideas behind Bitcoin 2.0 technologies Learn transaction protocols, micropayment channels, atomic cross-chain trading, and more Bitcoin challenges the basic assumption under which the current financial system rests: that currencies are issued by central governments, and their supply is managed by central banks. To fully understand this revolutionary technology, Understanding Bitcoin is a uniquely complete, reader-friendly guide. **Interactive Computer Graphics A Top-down Approach with OpenGL Addison Wesley** Graphics systems and models. Graphics programming. Input and interaction. Geometric objects and transformations. Viewing, shading. Implementation of a renderer. Hierarchical and object-oriented graphics ... **FCC Record A Comprehensive Compilation of Decisions, Reports, Public Notices, and Other Documents of the Federal Communications Commission of the United States A Guide to the Project Management Body of Knowledge (PMBOK® Guide) - Seventh Edition and The Standard for Project Management (BRAZILIAN PORTUGUESE) Project Management Institute** PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide & Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners' current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide: • Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.); • Provides an entire section devoted to tailoring the development approach and processes; • Includes an expanded list of models, methods, and artifacts; • Focuses on not just delivering project outputs but also enabling outcomes; and • Integrates with PMI standards+™ for information and standards application content based on project type, development approach, and industry sector. **The Future of the Internet Innovation, Integration and Sustainability Nomos Verlag** Das Internet zeichnet sich durch eine starke Dynamik und vielfältige Innovationen aus. Das Internet der Dinge verändert die traditionellen Netzsektoren sowie die ganze App-Ökonomie grundlegend. Disruptive Innovationen beschränken sich nicht mehr auf Kommunikationsanwendungen, sondern treiben den Übergang zu intelligenten (smarten) Netzindustrien voran. Kritische Anforderungen sind dabei QoS-differenzierte All-IP-Bandbreitenkapazitäten in Kombination mit Sensornetzen, Geopositioning-Diensten und Big Data. In diesem Band präsentieren führende internationale Experten ihre neuesten Ergebnisse zur Dynamik des zukünftigen Internets zu einer Vielzahl aktueller und hochrelevanter Themen rund um das Internet der Dinge, 5G, Zusammenschaltungsvereinbarungen, Innovationen im Internet-Ökosystem und

Netzneutralität. Mit Beiträgen von Günter Knieps, Volker Stocker, Bert Sadowski, Onder Nomaler, Jason Whalley, Thomas Fetzner, Johannes M. Bauer, William Lehr, Iris Henseler-Unger, Falk von Bornstaedt, Marlies Van der Wee, Frederic Vannieuwenborg, Sofie Verbrugge, Christopher S. Yoo, Jesse Lambert **Six Sigma in Transactional and Service Environments Gower Publishing, Ltd.** This volume provides a historical context for Six Sigma and charts the benefits it has brought to business from its inception up to the present. It also provides guidelines on the use of Six Sigma as a business strategy and shows how it can be combined with other management practices. **Software Design for Six Sigma A Roadmap for Excellence John Wiley & Sons** This proposal constitutes an algorithm of design applying the design for six sigma thinking, tools, and philosophy to software design. The algorithm will also include conceptual design frameworks, mathematical derivation for Six Sigma capability upfront to enable design teams to disregard concepts that are not capable upfront, learning the software development cycle and saving development costs. The uniqueness of this book lies in bringing all those methodologies under the umbrella of design and provide detailed description about how these methods, QFD, DOE, the robust method, FMEA, Design for X, Axiomatic Design, TRIZ can be utilized to help quality improvement in software development, what kinds of different roles those methods play in various stages of design and how to combine those methods to form a comprehensive strategy, a design algorithm, to tackle any quality issues in the design stage. **Cyber Threat Intelligence Springer** This book provides readers with up-to-date research of emerging cyber threats and defensive mechanisms, which are timely and essential. It covers cyber threat intelligence concepts against a range of threat actors and threat tools (i.e. ransomware) in cutting-edge technologies, i.e., Internet of Things (IoT), Cloud computing and mobile devices. This book also provides the technical information on cyber-threat detection methods required for the researcher and digital forensics experts, in order to build intelligent automated systems to fight against advanced cybercrimes. The ever increasing number of cyber-attacks requires the cyber security and forensic specialists to detect, analyze and defend against the cyber threats in almost real-time, and with such a large number of attacks is not possible without deeply perusing the attack features and taking corresponding intelligent defensive actions – this in essence defines cyber threat intelligence notion. However, such intelligence would not be possible without the aid of artificial intelligence, machine learning and advanced data mining techniques to collect, analyze, and interpret cyber-attack campaigns which is covered in this book. This book will focus on cutting-edge research from both academia and industry, with a particular emphasis on providing wider knowledge of the field, novelty of approaches, combination of tools and so forth to perceive reason, learn and act on a wide range of data collected from different cyber security and forensics solutions. This book introduces the notion of cyber threat intelligence and analytics and presents different attempts in utilizing machine learning and data mining techniques to create threat feeds for a range of consumers. Moreover, this book sheds light on existing and emerging trends in the field which could pave the way for future works. The inter-disciplinary nature of this book, makes it suitable for a wide range of audiences with backgrounds in artificial intelligence, cyber security, forensics, big data and data mining, distributed systems and computer networks. This would include industry professionals, advanced-level students and researchers that work within these related fields. **Network Routing Fundamentals, Applications, and Emerging Technologies John Wiley & Sons** Network Routing: Fundamentals, Applications and Emerging Technologies serves as single point of reference for both advanced undergraduate and graduate students studying network routing, covering both the fundamental and more moderately advanced concepts of routing in traditional data networks such as the Internet, and emerging routing concepts currently being researched and developed, such as cellular networks, wireless ad hoc networks, sensor networks, and low power networks. **Computer Systems Architecture CRC Press** Computer Systems Architecture provides IT professionals and students with the necessary understanding of computer hardware. It addresses the ongoing issues related to computer hardware and discusses the solutions supplied by the industry. The book describes trends in computing solutions that led to the current available infrastructures, tracing the initial need for computers to recent concepts such as the Internet of Things. It covers computers' data representation, explains how computer architecture and its underlying meaning changed over the years, and examines the implementations and performance enhancements of the central processing unit (CPU). It then discusses the organization, hierarchy, and performance considerations of computer memory as applied by the operating system and illustrates how cache memory significantly improves performance. The author proceeds to explore the bus system, algorithms for ensuring data integrity, input and output (I/O) components, methods for performing I/O, various aspects relevant to software engineering, and nonvolatile storage devices, such as hard drives and technologies for enhancing performance and reliability. He also describes virtualization and cloud computing and the emergence of software-based systems' architectures. Accessible to software engineers and developers as well as students in IT disciplines, this book enhances readers' understanding of the hardware infrastructure used in software engineering projects. It enables readers to better optimize system usage by focusing on the principles used in hardware systems design and the methods for enhancing performance. **Document Analysis Systems VI 6th International Workshop, DAS 2004, Florence, Italy, September 8-10, 2004, Proceedings Springer** This volume contains papers selected for presentation at the 6th IAPR Workshop on Document Analysis Systems (DAS 2004) held during September 8-10, 2004 at the University of Florence, Italy. Several papers represent the state of the art in a broad range of "traditional" topics such as layout analysis, applications to graphics recognition, and handwritten documents. Other contributions address the description of complete working systems, which is one of the strengths of this workshop. Some papers extend the application domains to other media, like the processing of Internet documents. The peculiarity of this 6th workshop was the large number of papers related to digital libraries and to the processing of historical documents, a taste which frequently requires the analysis of color documents. A total of 17 papers are associated with these topics, whereas two years ago (in DAS 2002) only a couple of papers dealt with these problems. In our view there are three main reasons for this new wave in the DAS community. From the scientific point of view, several research fields reached a thorough knowledge of techniques and problems that can be effectively solved, and this expertise can now be applied to new domains. Another incentive has been provided by several research projects funded by the EC and the NSF on topics related to digital libraries. **Systems Analysis and Design in a Changing World Cengage Learning** Refined and streamlined, SYSTEMS ANALYSIS AND DESIGN IN A CHANGING WORLD, 7E helps students develop the conceptual, technical, and managerial foundations for systems analysis design and implementation as well as project management principles for systems development. Using case driven techniques, the succinct 14-chapter text focuses on content that is key for

success in today's market. The authors' highly effective presentation teaches both traditional (structured) and object-oriented (OO) approaches to systems analysis and design. The book highlights use cases, use diagrams, and use case descriptions required for a modeling approach, while demonstrating their application to traditional, web development, object-oriented, and service-oriented architecture approaches. The Seventh Edition's refined sequence of topics makes it easier to read and understand than ever. Regrouped analysis and design chapters provide more flexibility in course organization. Additionally, the text's running cases have been completely updated and now include a stronger focus on connectivity in applications. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Introduction to Reference Sources in the Health Sciences, Sixth Edition American Library Association Prepared in collaboration with the Medical Library Association, this completely updated, revised, and expanded edition lists classic and up-to-the-minute print and electronic resources in the health sciences, helping librarians find the answers that library users seek. Included are electronic versions of traditionally print reference sources, trustworthy electronic-only resources, and resources that library users can access from home or on the go through freely available websites or via library licenses. In this benchmark guide, the authors include new chapters on health information seeking, point-of-care sources, and global health sources. Focus on works that can be considered foundational or essential, in both print and electronic formats. Address questions librarians need to consider in developing and maintaining their reference collections. When it comes to questions involving the health sciences, this valuable resource will point both library staff and the users they serve in the right direction.

Treasure Chest of Six Sigma Growth Methods, Tools, and Best Practices (Adobe Reader) Pearson Education This reference is the first comprehensive how-to collection of Six Sigma tools, methodologies, and best practices. Leading implementer Lynne Hambleton covers the entire Six Sigma toolset, including more than 70 different tools—ranging from rigorous statistical and quantitative tools, to “softer” techniques. The toolset is organized in an easy-to-use, alphabetical encyclopedia and helps professionals quickly select the right tool, at the right time for every business challenge. Hambleton systematically discusses which questions each tool is designed to answer; how the tool compares with similar tools; when to use it; how to use it step-by-step; how to analyze and apply the output; and which other tool to use with it. To further illustrate and clarify tool usage, she presents hundreds of figures, along with never-before-published hints, tips, and real-world, “out-of-the-box” examples. Coverage includes · Real-world guidance to help practitioners raise the most important questions and determine the best resolution · Statistical techniques, including ANOVA, multi-vari charts, Monte Carlo simulations, normal probability plots, and regression analysis · Benchmarks, capability and cost/benefit analyses, Porter’s Five Forces, scorecards, stakeholder analysis, and brainstorming techniques · CPM, CTQ, FMEA, HOQ, and GOSPA · GANTT, PERT chart, and other Six Sigma project management tools · 7QC: cause and effect diagrams, checklists, control charts, fishbone diagram, flowchart, histogram, Pareto chart, process maps, run chart, scatter diagram, and the stratification tool · 7M: AND, affinity diagrams, interrelationship diagrams, matrix diagrams, prioritization matrices, PDPC, and tree diagrams · Crystal Ball, Minitab, and Quality Companion 2 software to facilitate the use of statistical and analytical tools and more to help you become a more effective Six Sigma practitioner · This book is also available in a highly-searchable eBook format at www.prenhallprofessional.com/title/0136007376 and other online booksellers. From start to finish, this book delivers fast, thorough and reliable answers—knowledge you’ll rely on in every Six Sigma project, for years to come.

Autonomous Control for a Reliable Internet of Services Methods, Models, Approaches, Techniques, Algorithms, and Tools Springer This open access book was prepared as a Final Publication of the COST Action IC1304 “Autonomous Control for a Reliable Internet of Services (ACROSS)”. The book contains 14 chapters and constitutes a show-case of the main outcome of the Action in line with its scientific goals. It will serve as a valuable reference for undergraduate and post-graduate students, educators, faculty members, researchers, engineers, and research strategists working in this field. The explosive growth of the Internet has fundamentally changed the global society. The emergence of concepts like SOA, SaaS, PaaS, IaaS, NaaS, and Cloud Computing in general has catalyzed the migration from the information-oriented Internet into an Internet of Services (IoS). This has opened up virtually unbounded possibilities for the creation of new and innovative services that facilitate business processes and improve the quality of life. However, this also calls for new approaches to ensuring the quality and reliability of these services. The objective of this book is, by applying a systematic approach, to assess the state-of-the-art and consolidate the main research results achieved in this area.

Safety and Health Competence A Guide for Cultures of Prevention CRC Press Global and technological transformation is changing work and learning. A broader understanding of prevention and cultural change associated with it is putting new demands on companies and their employees. People and organizations need suitable competences to deal with this transformation. They need to be empowered to shape decent living and working conditions. Safety and Health Competence: A Guide for Cultures of Prevention is written in the context of work and health. The use of a social-constructive and a context sensitive approach to competence in occupational safety and health is new and forms a theoretical basis for putting into place the necessary learning processes for cultural transformation in companies and educational institutions. Covers a broad range of new demands placed on companies and employees in this age of global and technological transformation. Provides assistance with a better understanding of the current debate on occupational safety and health (OSH) competences. Presents a comprehensive source of information for OSH experts, human resource specialists, educational institutions, training development specialists, teachers, and trainers, allowing them to identify competence needs, promote competence development, and assess competences. Explains what the concept culture of prevention means. Offers real-life examples that will appeal to practitioners.

Proceedings of the 6th International Conference on Civil Engineering, ICOCE 2022, Singapore Innovations in Civil Engineering Springer Nature The book presents a collection of articles from the 6th International Conference on Civil Engineering, 2022, held in Singapore. Important advances in the application of newly discovered technologies are highlighted in order to address many of society's contemporary problems in resilience, energy production, security, and bioproducts. Multiple fields of inquiry address the use of global engineering methods to promote governmental and industrial policies that reduce pollution, protect existing structures from natural disasters as well as discuss successful engineering management practices in a variety of countries throughout the world. This book consists of refereed submissions submitted by international scholars from multiple disciplines discussing emerging topics in civil and environmental engineering. The emphasis is on ideas that can influence public policy to promote energy management, air and water pollution control, and green infrastructure. The topics covered provide an excellent beginning for

interested students, researchers, and industry professionals to understand emerging trends in technical research on a worldwide basis. **Commercial Aviation Safety, Sixth Edition McGraw Hill Professional** Up-To-Date Coverage of Every Aspect of Commercial Aviation Safety Completely revised edition to fully align with current U.S. and international regulations, this hands-on resource clearly explains the principles and practices of commercial aviation safety—from accident investigations to Safety Management Systems. Commercial Aviation Safety, Sixth Edition, delivers authoritative information on today's risk management on the ground and in the air. The book offers the latest procedures, flight technologies, and accident statistics. You will learn about new and evolving challenges, such as lasers, drones (unmanned aerial vehicles), cyberattacks, aircraft icing, and software bugs. Chapter outlines, review questions, and real-world incident examples are featured throughout. Coverage includes: • ICAO, FAA, EPA, TSA, and OSHA regulations • NTSB and ICAO accident investigation processes • Recording and reporting of safety data • U.S. and international aviation accident statistics • Accident causation models • The Human Factors Analysis and Classification System (HFACS) • Crew Resource Management (CRM) and Threat and Error Management (TEM) • Aviation Safety Reporting System (ASRS) and Flight Data Monitoring (FDM) • Aircraft and air traffic control technologies and safety systems • Airport safety, including runway incursions • Aviation security, including the threats of intentional harm and terrorism • International and U.S. Aviation Safety Management Systems

Interactive Computer Graphics A Top-down Approach with Shader-based OpenGL Addison-Wesley Longman This book is suitable for undergraduate students in computer science and engineering, for students in other disciplines who have good programming skills, and for professionals. Computer animation and graphics—once rare, complicated, and comparatively expensive—are now prevalent in everyday life from the computer screen to the movie screen. Interactive Computer Graphics: A Top-Down Approach with Shader-Based OpenGL®, 6e, is the only introduction to computer graphics text for undergraduates that fully integrates OpenGL 3.1 and emphasizes application-based programming. Using C and C++, the top-down, programming-oriented approach allows for coverage of engaging 3D material early in the text so readers immediately begin to create their own 3D graphics. Low-level algorithms (for topics such as line drawing and filling polygons) are presented after readers learn to create graphics.

School, Family, and Community Partnerships Your Handbook for Action Corwin Press Strengthen family and community engagement to promote equity and increase student success! When schools, families, and communities collaborate and share responsibility for students' education, more students succeed in school. Based on 30 years of research and fieldwork, this fourth edition of a bestseller provides tools and guidelines to use to develop more effective and equitable programs of family and community engagement. Written by a team of well-known experts, this foundational text demonstrates a proven approach to implement and sustain inclusive, goal-oriented programs. Readers will find: Many examples and vignettes Rubrics and checklists for implementation of plans CD-ROM complete with slides and notes for workshop presentations

Essentials of Nursing Informatics, 6th Edition McGraw Hill Professional Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Discover how technology can improve patient care -- and enhance every aspect of a nurse's job performance, education, and career A Doody's Core Title for 2017! Written by leaders in nursing informatics, this comprehensive up-to-date text helps you understand how informatics can enhance every aspect of the nursing profession. This edition of Essentials of Nursing Informatics is highlighted by an outstanding team of international contributors and content that reflects the very latest concepts, technologies, policies, and required skills. Numerous case studies take the book beyond theory and add real-world relevance to the material. Essentials of Nursing Informatics is logically divided into ten sections edited by leading nurse informaticists: Nursing Informatics Technologies (Jacqueline Ann Moss) System Life Cycle (Virginia K. Saba) Informatics Theory Standards/Foundations of Nursing Informatics (Virginia K. Saba) Nursing Informatics Leadership (Kathleen Smith) Advanced Nursing Informatics in Practice (Gail E. Latimer) Nursing Informatics/Complex Applications (Kathleen A. McCormick) Educational Applications (Diane J. Skiba) Research Applications (Virginia K. Saba) Big Data Initiatives (Kathleen A. McCormick) International Perspectives (Susan K. Newbold) Essentials of Nursing Informatics is the best single resource for learning how technology can make the nursing experience as rewarding and successful as possible. New Feature! The 6th Edition introduces an online faculty resource to supplement classroom teaching, offering instructors PowerPoints with concise chapter outlines, learning objectives, key words, and explanatory illustrations and tables. To request Instructor PowerPoint slides: Visit www.EssentialsofNursingInformatics.com and under the "Downloads and Resources tab," click "Request PowerPoint" to access the PowerPoint request form. Also, for the first time, a companion study guide for the 6th Edition is available separately from McGraw-Hill (Essentials of Nursing Informatics Study Guide/ISBN: 978-007-184-5892; edited by Julianne Brixey, Jack Brixey, Virginia K. Saba, and Kathleen A. McCormick), presenting teaching modules for all major chapters, with content outlines, teaching tips, class preparation ideas, review questions, answer explanations, and online PowerPoint slides to aid understanding and retention of all major concepts covered in Essentials of Nursing Informatics, 6th Edition.

Cracking the Coding Interview 150 Programming Interview Questions and Solutions CreateSpace Now in the 5th edition, Cracking the Coding Interview gives you the interview preparation you need to get the top software developer jobs. This book provides: 150 Programming Interview Questions and Solutions: From binary trees to binary search, this list of 150 questions includes the most common and most useful questions in data structures, algorithms, and knowledge based questions. 5 Algorithm Approaches: Stop being blind-sided by tough algorithm questions, and learn these five approaches to tackle the trickiest problems. Behind the Scenes of the interview processes at Google, Amazon, Microsoft, Facebook, Yahoo, and Apple: Learn what really goes on during your interview day and how decisions get made. Ten Mistakes Candidates Make -- And How to Avoid Them: Don't lose your dream job by making these common mistakes. Learn what many candidates do wrong, and how to avoid these issues. Steps to Prepare for Behavioral and Technical Questions: Stop meandering through an endless set of questions, while missing some of the most important preparation techniques. Follow these steps to more thoroughly prepare in less time.

Design of Electromechanical Products A Systems Approach CRC Press Design, development and life-cycle management of any electromechanical product is a complex task that requires a cross-functional team spanning multiple organizations, including design, manufacturing, and service. Ineffective design techniques, combined with poor communication between various teams, often leads to delays in product launches, with last minute design compromises and changes. The purpose of Design of Electromechanical Products: A Systems Approach is to provide a practical set of guidelines and best practices for driving world-class design, development, and sustainability of electromechanical products.

The information provided within this text is applicable across the entire span of product life-cycle management, from initial concept work to the detailed design, analysis, and development stages, and through to product support and end-of-life. It is intended for professional engineers, designers, and technical managers, and provides a gateway to developing a product's design history file ("DHF") and device aster record ("DMR"). These tools enable design engineers to communicate a product's design, manufacturability, and service procedures with various cross-functional teams.

Sociology in Our Times Cengage Learning This best-selling comprehensive book conveys the relevance of sociology by presenting a timely collection of theories, research, and examples -- including its signature first-person accounts that open many chapters. These lived experiences are relevant to students and introduce themes that provide a framework for learning the chapter material. Kendall's vivid and inviting writing style, emphasis on applications, and eye for compelling current examples further highlight sociology's relevance to all students. Now in its eleventh edition, SOCIOLOGY IN OUR TIMES is acclaimed for being the first textbook to integrate race, class, and gender issues, and for its thorough presentation of sociological theory, including contemporary perspectives such as feminism and postmodernism. This edition focuses more on social/global change and on the contemporary world, presenting such current debates as bullying and social media abuse, digital-age methods to increase school attendance, food trucks and the spread of culture, modern slavery, and weight bias. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Internet of Things, Smart Spaces, and Next Generation Networks and Systems 21st International Conference, NEW2AN 2021, and 14th Conference, ruSMART 2021, St. Petersburg, Russia, August 26-27, 2021, Proceedings Springer Nature This book constitutes the joint refereed proceedings of the 21st International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2021, and the 14th Conference on Internet of Things and Smart Spaces, ruSMART 2021. The conference was held virtually due to the COVID-19 pandemic. The 41 revised full papers presented were carefully reviewed and selected from 118 submissions.

Quantum Physics is NOT Weird It is how our consciousness creates our reality. Second Edition, Revised and Enlarged. Mijnbestseller.nl Quantum Physics shows us that we create what we observe. Countless experiments confirm that it is our information which manifests reality. Matter and time are created by our observation. This is not only true when we do experiments in laboratories, but it works the same way in everyday reality. We manifest our own experiences. Science does not prove that our consciousness must be a product of our material brain. On the contrary. Consciousness emerging from the brain is just a belief. This book tells the story how physics did develop from a quest to understand nature into its current highly myopic materialistic paradigm. The profound spiritual message of Quantum Physics is ignored, to our detriment. "A wonderful, very readable book that will convince thousands upon thousands of serious readers, including students of science, why consciousness is necessary to understand quantum physics and why materialist science is not adequate. I give the book my highest recommendation." -- Amit Goswami, PhD, author of The Self-Aware Universe. "A monumental book. A masterpiece in disguise" - Prof Emer dr. Dirk K.F Meijer, University of Groningen.

Computer Networks A Systems Approach Elsevier Computer Networks: A Systems Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What's Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for network practitioners seeking to understand the workings of network protocols and the big picture of networking. Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications Increased focus on application layer issues where innovative and exciting research and design is currently the center of attention Free downloadable network simulation software and lab experiments manual available

Arnold and Boggs's Interpersonal Relationships - E-Book Professional Communication Skills for Canadian Nurses Elsevier Health Sciences Engaging, comprehensive coverage presents the most current issues and communication concepts. Fully adapted content reflects Canada's unique health care context and cultural landscape. Canadian statistics, research, references and resources, guidelines, assessment and screening tools, and more are incorporated throughout the text. Canadian cultural and demographic considerations address issues related to race/ethnicity, Indigenous peoples, gender identity, LGBTQ2 community, family composition, recent immigrants, refugees, and vulnerable persons. Engaging with Humility: Authentic Interpersonal Communication in Partnership with Indigenous Peoples chapter increases awareness and knowledge of the impact of colonization on Indigenous peoples, in order to understand and develop practices which respectfully engage in cultural safety and humility through holistic communication with Indigenous peoples and communities. Rich art programme reflects Canada's cultural diversity in the health care setting. Emphasis on collaborative communication includes related evidence-informed case studies and analysis. Socio-cultural communication competencies coverage discusses how to reduce health disparities and increase health literacy. Questions for Review and Discussion help students practise their reflective analysis skills and provide opportunities for thoughtful review of chapter content. Content on social media and transitional care delivery reflects current practice standards. Simulation exercises enable students to practise, observe, and critically evaluate their professional communication skills in a safe learning environment. Case examples help students learn to develop empathy for patients' perspectives and needs. Discussion of spirituality and end-of-life needs focuses on trust, empathy, and the nurse-patient relationship — all central components of holistic nursing. Nursing, behavioural, developmental, family, and communication theories provide an essential foundation

and a theoretical perspective for effective communication. Ethical Dilemma boxes with reflection questions at the end of each chapter help students absorb and retain key ethical content throughout the text. Evidence-Informed Nursing Practice boxes in each chapter offer a summary of research findings related to the chapter subject and are intended to strengthen awareness of the link between research and practice. Separate chapters on communication across the lifespan highlight crucial communication tools that are the first step in developing a culture of safety in contemporary health care delivery.

Project Management A Systems Approach to Planning, Scheduling, and Controlling John Wiley & Sons The landmark project management reference, now in a new edition Now in a Tenth Edition, this industry-leading project management "bible" aligns its streamlined approach to the latest release of the Project Management Institute's Project Management Body of Knowledge (PMI®'s PMBOK® Guide), the new mandatory source of training for the Project Management Professional (PMP®) Certification Exam. This outstanding edition gives students and professionals a profound understanding of project management with insights from one of the best-known and respected authorities on the subject. From the intricate framework of organizational behavior and structure that can determine project success to the planning, scheduling, and controlling processes vital to effective project management, the new edition thoroughly covers every key component of the subject. This Tenth Edition features: New sections on scope changes, exiting a project, collective belief, and managing virtual teams More than twenty-five case studies, including a new case on the Iridium Project covering all aspects of project management 400 discussion questions More than 125 multiple-choice questions (PMI, PMBOK, PMP, and Project Management Professional are registered marks of the Project Management Institute, Inc.)

Introduction to Global Health Promotion John Wiley & Sons Introduction to Global Health Promotion addresses a breadth and depth of public health topics that students and emerging professionals in the field must understand as the world's burden of disease changes with non-communicable diseases on the rise in low- and middle-income countries as their middle class populations grow. Now more than ever, we need to provide health advocacy and intervention to prevent, predict, and address emerging global health issues. This new text from the Society for Public Health Education (SOPHE) prepares readers with thorough and thoughtful chapters on global health promotion theories, best practices, and perspectives on the future of the field, from the individual to the global level. The world's biggest health care challenges—including HIV, malaria, heart disease, smoking, and violence, among others—are explored in detail in Introduction to Global Health Promotion. The state of the science, including the latest empirical data, is distilled into 19 chapters that update readers on the complex issues surrounding a variety of illnesses and conditions, and disease epidemics and individual, social, institutional, and governmental barriers to preventing them. Expert authors bring to the fore human rights issues, new uses of technology, and practical application of theory. These perspectives, along with the book's multidisciplinary approach, serve to create a well-rounded understanding of global health today. Learn more from the Editors of Introduction to Global Health Promotion [here](#).

Understanding Business Valuation A Practical Guide to Valuing Small to Medium-sized Businesses Human Behavior and the Larger Social Environment, Third Edition Context for Social Work Practice and Advocacy Oxford University Press From schools to the military and from class structure to cultural diversity—all individuals function within complex social systems that shape them and are, in turn, shaped by them. This text introduces students to these broader social contexts within which human behavior occurs and how a community's social settings may promote or deter people in maintaining or achieving personal health and well-being. Johnson and Rhodes use seven basic theoretical perspectives as the frameworks to explore how clients are impacted by social institutions and social structures. Keeping up to date with emerging societal trends and changing environmental contexts is important and Human Behavior and the Larger Social Environment provides readers with the tools necessary to use their knowledge to provide appropriate interventions at all levels of practice, as well as promote social and economic justice. This book offers complex concepts in a simple format, allowing students to analyze the relationship between individuals and various systems, and better retain and apply their knowledge as they prepare to engage with clients and client systems.

Canadian Clinical Nursing Skills and Techniques E-Book Elsevier Health Sciences Introducing the only fully comprehensive skills text on the market, distinctly for Canadian students! Canadian Clinical Nursing Skills and Techniques helps equip you with the skills you need to successfully care for patients within the Canadian social and institutional context. Building on the strength of Clinical Nursing Skills & Techniques' comprehensive coverage of over 200 basic, intermediate and advanced skills, this textbook features nearly 1,000 full-colour photographs and drawings, a nursing process framework, step-by-step instructions with rationales, and a focus on critical thinking and evidence-informed practice. Written by the highly respected author team of Anne Griffin Perry, Patricia A. Potter, Wendy Ostendorf, and Canadian author Shelley L. Cobbett, it offers all the guidance and tools you need to perform nursing skills with complete confidence! Comprehensive coverage includes over 200 basic, intermediate, and advanced nursing skills. Streamlined theory content in each chapter features a quick, easy-to-read bullet format to help reduce repetition and emphasize the clinical focus of the book. Unique! Evidence-Informed Nursing Practice chapter covers the entire process of conducting research, including collecting, evaluating, and applying evidence from published research. Unique! Unexpected Outcomes and Related Interventions sections alert you to what might go wrong and how to appropriately intervene. Clinical Debriefs case-based review questions at the end of each chapter focus on issues such as managing conflict, care prioritization, patient safety, and decision-making to help you better prepare for the clinical setting. Nursing process framework incorporates the areas of delegation and collaboration; reporting and recording; safety guidelines; and teaching, pediatric, geriatric, and home care considerations. Basic skills presented in streamlined procedural guidelines format makes it easy learn and review basic nursing skills. Clinical Decision Points within skills address key safety issues or possible skill modifications for specific patient needs. Rationales for each skill step explain why steps are performed in a specific way, including their clinical significance and benefit, and incorporate the latest research findings. Video clip icons indicate video clips that are related to skills and procedures in the book and related lessons in Nursing Skills Online.

Modeling and Simulation Fundamentals Theoretical Underpinnings and Practical Domains John Wiley & Sons An insightful presentation of the key concepts, paradigms, and applications of modeling and simulation Modeling and simulation has become an integral part of research and development across many fields of study, having evolved from a tool to a discipline in less than two decades. Modeling and Simulation Fundamentals offers a comprehensive and authoritative treatment of the topic and includes definitions, paradigms, and applications to equip readers with the skills needed to work successfully as developers and users of modeling and simulation. Featuring contributions written by leading experts

in the field, the book's fluid presentation builds from topic to topic and provides the foundation and theoretical underpinnings of modeling and simulation. First, an introduction to the topic is presented, including related terminology, examples of model development, and various domains of modeling and simulation. Subsequent chapters develop the necessary mathematical background needed to understand modeling and simulation topics, model types, and the importance of visualization. In addition, Monte Carlo simulation, continuous simulation, and discrete event simulation are thoroughly discussed, all of which are significant to a complete understanding of modeling and simulation. The book also features chapters that outline sophisticated methodologies, verification and validation, and the importance of interoperability. A related FTP site features color representations of the book's numerous figures. Modeling and Simulation Fundamentals encompasses a comprehensive study of the discipline and is an excellent book for modeling and simulation courses at the upper-undergraduate and graduate levels. It is also a valuable reference for researchers and practitioners in the fields of computational statistics, engineering, and computer science who use statistical modeling techniques.

Energy from the Desert Feasibility of Very Large Scale Photovoltaic Power Generation Systems & Practical Proposals for Very Large Scale Photovoltaic Systems Routledge The world's deserts are sufficiently large that, in theory, covering a fraction of their landmass with PV systems could generate many times the current primary global energy supply. The Energy from the Desert two-volume set details the background and concept of Very Large Scale Photovoltaics (VLS-PV) and examines and evaluates their potential as viable power generation systems. The authors present case studies of both virtual and real projects based on selected regions (including the Mediterranean, Sahara, Chinese Gobi, Mongolian Gobi, Indian Thar, Australian Desert and the US) and their specific socio-economic dynamics, and argue that VLS-PV systems in desert areas will be readily achievable in the near future.

Service Design for Six Sigma A Roadmap for Excellence John Wiley & Sons A roadmap to consistent, high-quality service for any organization A service is typically something created to serve a paying customer, whether internal or external. Some services consist of several processes linked together while others consist of a single process. This book introduces Design for Six Sigma (DFSS), a easy-to-master, yet highly effective data-driven method that prevents defects in any type of service process. The particular focus of this publication is service DFSS, which leads to what the authors term "a whole quality business," one that takes a proactive stance and gets things right the first time. Not only does the whole quality business produce a high-quality product and offer high-quality services, but it also operates at lower cost and higher efficiency, throughout the entire life cycle, than its competitors because all the links in the supply chain are optimized. Following a detailed overview that sets forth the basic premise and key concepts of service DFSS, the authors offer all the information and tools needed to take advantage of service DFSS within their own organizations, including:

- * Clear and in-depth coverage of the philosophical, organizational, and technical aspects of service DFSS
- * Step-by-step roadmap of the entire service DFSS deployment and execution process
- * Full discussions of all the key methods involved in service DFSS, including axiomatic design, design for X, the theory of inventive problem solving (TRIZ), transfer function, design scorecards, and Taguchi's method
- * Practical, illustrative examples that demonstrate how the theory is put into practice
- * Assistance in developing the necessary skills in applying DFSS in organizational settings

Problems and their solutions are provided at the end of each chapter to help readers grasp the key concepts they need to move forward in the text. Acclaro DFSS Light(r), a Java-based software package that implements axiomatic design processes discussed in Chapter Eight, is available for download from an accompanying Wiley ftp site. Acclaro DFSS Light(r) is a software product of Axiomatic Design Solutions, Inc. This book is ideal as a reference to service DFSS for corporate executives, quality control managers, and process engineers, or as a complete training manual for DFSS teams. It is also a superior textbook for graduate students in management, operations, and quality assurance.

Pattern Recognition 6th Mexican Conference, MCPR 2014, Cancun, Mexico, June 25-28, 2014. Proceedings Springer This book constitutes the refereed proceedings of the 6th Mexican Conference on Pattern Recognition, MCPR 2014, held in Cancun, Mexico, in June 2014. The 39 revised full papers presented were carefully reviewed and selected from 68 submissions and are organized in topical sections on pattern recognition and artificial intelligence; computer vision; image processing and analysis; animal biometric recognition and applications of pattern recognition.

Lions' Commentary on UNIX 6th Edition with Source Code Peer to Peer Communications For the past 20 years, UNIX insiders have cherished and zealously guarded pirated photocopies of this manuscript, a "hacker trophy" of sorts. Now legal (and legible) copies are available. An international "who's who" of UNIX wizards, including Dennis Ritchie, have contributed essays extolling the merits and importance of this underground classic.