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Operating Systems and Middleware-Max Hailperin 2007 By using this innovative text, students will obtain an understanding of how contemporary operating systems and middleware work, and why they work that way.

Open Source Technology: Concepts, Methodologies, Tools, and Applications-Management Association, Information Resources 2014-11-30 The pervasiveness of and universal access to modern Information and Communication Technologies has enabled a popular new paradigm in the dissemination of information, art, and ideas. Now, instead of relying on a finite number of content providers to control the flow of information, users can generate and disseminate their own content for a wider audience. Open Source Technology: Concepts, Methodologies, Tools, and Applications investigates examples and methodologies in user-generated and freely-accessible content available through electronic and online media. With applications in education, government, entertainment, and more, the technologies explored in these volumes will provide a comprehensive reference for web designers, software developers, and practitioners in a wide variety of fields and disciplines.

A Survey on Today's Smartphone Usage-Tobias Himmelsbach 2013-09 Diploma Thesis from the year 2011 in the subject Computer Science - Miscellaneous, grade: 2,3, Technical University of Berlin (Agententechnologien in betrieblichen Anwendungen), language: English, abstract: The smartphone market is evolving rapidly, irrespective of the well-known spread within the business sector. In recent years the average users tend to replace their traditional mobile phones, PDAs and Palms with smartphones. These devices have become a pervasive part of everyday life. Dealing with huge amounts of data, the mobile device's and application's demand for certain security standards cannot be underestimated. In recent studies the individual user's needs in terms of technical features, applications etc. have not been addressed and analyzed properly. To capture the problem in its full extent it is vital to understand the user's expectations. Besides, the usage patterns have to be described especially against the background of security aspects. As mentioned before, recent analyzes did not specifically ask what the user expects from a smartphone. Hence, the main objective of this work is to get a broad picture on how smartphones are used today and what users expect, taking into consideration security aspects.. An international web-based online survey was designed and performed to measure and analyze users' behaviour when using smartphones, with the aim of finding out what they want and expect from a smartphone. The main goals were to identify user needs in the context of smartphones, to analyze their knowledge and acquisition to security aspects and to get significant data about the user's behaviour. The main findings of the survey are that on the one hand, most of the users want a smartphone to provide classic mobile phone features, such as performing phone calls, writing messages or storing contacts. On the other hand they want a smartphone to provide mobile internet acce

Medicine Price Surveys, Analyses and Comparisons-Sabine Vogler 2018-10-23 Medicine Price Surveys, Analyses and Comparisons establishes guidelines for the study and implementation of pharmaceutical price surveys, analyses, and comparisons. Its contributors evaluate price survey literature, discuss the accessibility and reliability of data sources, and provide a checklist and training kit on conducting price surveys, analyses, and comparisons. Their investigations survey price studies while accounting for the effects of methodologies and explaining regional differences in medicine prices. They also consider policy objectives such as affordable access to medicines and cost-containment as well as options for improving the effectiveness of policies. Provides guidance for planning and implementing pharmaceutical pricing policies and systems Reviews external price referencing systems Explains common baselines for interpreting price surveys Defines pharmaceutical price terminology and nomenclature Smart Delivery Systems-Jakub Nalepa 2019-11 Smart Delivery Systems: Solving Complex Vehicle Routing Problems examines both exact and approximate methods for delivering optimal solutions to rich vehicle routing problems, showing both the advantages and disadvantages of each approach. It shows how to apply machine learning and advanced data analysis techniques to improve routing systems, familiarizing readers with the concepts and technologies used in successfully implemented delivery systems. The book explains both the latest theoretical and practical advances in intelligent delivery and scheduling systems and presents practical applications for designing new algorithms for real-life scenarios. Emphasizes both sequential and parallel algorithms Uniquely combines methods and algorithms, real-life applications, and parallel computing Includes recommendations on how to choose between different methods for solving applications Provides learning aids, end of chapter references, bibliography, worked examples and exercises

Thermal Imaging Techniques to Survey and Monitor Animals in the Wild-Kirk J Havens 2015-09-22 Thermal Imaging Techniques to Survey and Monitor Animals in the Wild: A Methodology provides a manual for anyone interested in understanding thermal imaging and its usefulness in solving a wide range of problems regarding the observation of wildlife. In the last decade, the cost of thermal imaging technology has significantly decreased, making the equipment more widely available. This book offers an overview of thermal physics and the thermal imager, along with a methodology to optimize the window of opportunity so that wildlife can be observed and studied in their natural habitat. Users will find the knowledge and tools to formulate a sound survey design, with detailed sections on the theory and performance characteristics of thermal imaging cameras utilizing cooled quantum detectors as the sensitive element and additional information on the uncooled micro bolometric imagers which have been introduced into the camera market in past decades. The methodology presented is logical and simple, yet it presents a detailed understanding of the topic and how it applies to the critically interlinked disciplines of biology, physics, micrometeorology, and animal physiology. Covers the technical aspects of thermal imaging allowing readers to design better experiments Provides a clear description of the properties of thermal imaging Includes approaches to consider before integrating thermal cameras into a field

Operating Systems-William Stallings 2005 Blending up-to-date theory with state-of-the-art applications, this book offers a comprehensive treatment of operating systems, with an emphasis on internals and design issues. It helps readers develop a solid understanding of the key structures and mechanisms of operating systems, the types of trade-offs and decisions involved in OS design, and the context within which the operating system functions (hardware, other system programs, application programs, interactive users). Process Description And Control. Threads, SMP, And Microkernels. Concurrency: Mutual Exclusion And Synchronization. Concurrency: Deadlock And Starvation. Memory Management. Virtual Memory. Uniprocessor Scheduling. Multiprocessor And Real-Time Scheduling. I/O Management And Disk Scheduling. File Management. Distributed Processing, Client/Server, And Clusters. Distributed Process Management. Security.

Operating Systems Techniques-International Seminar on Operating Systems Techniques (1971 : Queen's University of Belfast) 1972

Designing Surveys-Johnny Blair 2013-04-17 Written with the needs and goals of a novice researcher in mind, this fully updated Third Edition of Designing Surveys by Johnny Blair, Ronald F. Czaja, and Edward A. Blair provides an accurate account of how modern surveys are actually designed and conducted. Much more than a "how-to" guide, this up-to-date and accessible book presents the material in a social science context and teaches readers to think through decisions about sample design, questionnaire development, and data collection, rather than simply following prescriptive advice that may not be appropriate to particular practical situations. In addition to providing examples of alternative procedures, Designing Surveys shows how classic principles and recent research guide decision-making—from setting the basic features of the survey design to implementing instrument development, testing, and data collection. The new edition covers new developments in data collection technologies, provides a more comprehensive treatment of questionnaire development and pretesting, and includes completely new chapters on sample design and selection.

The Goal-Eliyahu M. Goldratt 2016-08-12 Alex Rogo is a harried plant manager working ever more desperately to try and improve performance. His factory is rapidly heading for disaster. So is his marriage. He has ninety days to save his plant - or it will be closed by corporate HQ, with hundreds of job losses. It takes a chance meeting with a colleague from student days - Jonah - to help him break out of conventional ways of thinking to see what needs to be done. Described by Fortune as a 'guru to industry' and by Businessweek as a 'genius', Eliyahu M. Goldratt was an internationally recognized leader in the development of new business management concepts and systems. This 20th anniversary edition includes a series of detailed case study interviews by David Whitford, Editor at Large, Fortune Small Business, which explore how organizations around the world have been transformed by Eli Goldratt's ideas. The story of Alex's fight to save his plant contains a serious message for all managers in industry and explains the ideas which underline the Theory of Constraints (TOC) developed by Eli Goldratt. Written in a fast-paced thriller style, The Goal is the gripping novel which is transforming management thinking throughout the Western world. It is a book to recommend to your friends in industry - even to your bosses - but not to your competitors!

Linux Device Drivers-Jonathan Corbet 2005 Provides information on writing a driver in Linux, covering such topics as character devices, network interfaces, driver debugging, concurrency, and interrupts.

Windows 10 Step by Step-Joan Lambert 2015-10-28 The quick way to learn Windows 10 This is learning made easy. Get more done quickly with Windows 10. Jump in wherever you need answers--brisk lessons and colorful screenshots show you exactly what to do, step by step. Discover fun and functional Windows 10 features! Work with the new, improved Start menu and Start screen Learn about different sign-in methods Put the Cortana personal assistant to work for you Manage your online reading list and annotate articles with the new browser, Microsoft Edge Help safeguard your computer, your information, and your privacy Manage connections to networks, devices, and storage resources

Novel Methods to Study Interfacial Layers-D. Moebius 2001-10-30 This book presents a number of selected papers given at the LB9 conference, held in Potsdam, Germany, in August 2000. It is dedicated to new techniques and methodologies for studying interfacial layers. One group of manuscripts deals with the application of surface plasmons at solid interfaces, used for example in resonance spectroscopy and light scattering. New applications of various types of Atomic Force Microscopy are reported making use of various modifications of tips. A number of chapters are dedicated to light emitting diodes built with the help of LB layers. The aim of these studies is the improvement of efficiency. Electrochemical methods were described as tools for developing sensors, in particular miniaturised pH or gas sensors. The application of synchrotron X-ray and NMR techniques have been described in detail in two extended chapters. It is demonstrated how molecular information can be detected by these methods for various types of interfacial layers. This monograph, along with 130 papers that have been submitted for publication in the special issues of relevant journals, represent the proceedings of the LBP conference.

Operating Systems Survey-Charles L. Brown 1998

Usability Testing for Survey Research-Emily Geisen 2017-02-15 Usability Testing for Survey Research provides researchers with a guide to the tools necessary to evaluate, test, and modify surveys in an iterative method during the survey pretesting process. It includes examples that apply usability to any type of survey during any stage of development, along with tactics on how to tailor usability testing to meet budget and scheduling constraints. The book's authors distill their experience to provide tips on how usability testing can be applied to paper surveys, mixed-mode surveys, interviewer-administered tools, and additional products. Readers will gain an understanding of usability and usability testing and why it is needed for survey research, along with guidance on how to design and conduct usability tests, analyze and report findings, ideas for how to tailor usability testing to meet budget and schedule constraints, and new knowledge on how to apply usability testing to other survey-related products, such as project websites and interviewer administered tools. Explains how to design and conduct usability tests and analyze and report the findings Includes examples on how to conduct usability testing on any type of survey, from a simple three-question survey on a mobile device, to a complex, multi-page establishment survey Presents real-world examples from leading usability and survey professionals, including a diverse collection of case studies and considerations for using and combining other methods Discusses the facilities, materials, and software needed for usability testing, including in-lab testing, remote testing, and eye tracking

Information Systems for Business and Beyond-David T. Bourgeois 2014 "Information Systems for Business and Beyond introduces the concept of information systems, their use in business, and the larger impact they are having on our world."--BC Campus website.

Web Database Applications with PHP and MySQL-Hugh E. Williams 2002 Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

Atmospheric Science-John M. Wallace 2006-03-24 Atmospheric Science, Second Edition, is the long-awaited update of the classic atmospheric science text, which helped define the field nearly 30 years ago and has served as the cornerstone for most university curricula. Now students and professionals alike can use this updated classic to understand atmospheric phenomena in the context of the latest discoveries, and prepare themselves for more advanced study and real-life problem solving. This latest edition of Atmospheric Science, has been revamped in terms of content and appearance. It contains new chapters on atmospheric chemistry, the Earth system, the atmospheric boundary layer, and climate, as well as enhanced treatment of atmospheric dynamics, radiative transfer, severe storms, and global warming. The authors illustrate concepts with full-color, state-of-the-art imagery and cover a vast amount of new information in the field. Extensive numerical and qualitative exercises help students apply basic physical principles to atmospheric problems. There are also biographical footnotes summarizing the work of key scientists, along with a student companion website that hosts climate data; answers to quantitative exercises; full solutions to selected exercises; skew-T log p chart; related links, appendices; and more. The instructor website features: instructor's guide; solutions to quantitative exercises; electronic figures from the book; plus supplementary images for use in classroom presentations. Meteorology students at both advanced undergraduate and graduate levels will find this book extremely useful. Full-color satellite imagery and cloud photographs illustrate principles throughout Extensive numerical and qualitative exercises emphasize the application of basic physical principles to problems in the atmospheric sciences Biographical footnotes summarize the lives and work of scientists mentioned in the text, and provide students with a sense of the long history of meteorology Companion website encourages more advanced exploration of text topics: supplementary information, images, and bonus exercises

The Patient Organization-Walt Brown 2018 The Patient Organization: 7 Keys for making systems like Traction, EOS, Scaling Up, 4DX...work. Why do Traction, EOS(R), and Scaling Up work? The Patient Organization is a companion book to be used alongside today's popular Organizational Operating Systems (OOS), to explain what's under the hood, why they work, why they don't work and what you can do about it. If your OOS implementation feels mechanical, or like there is just something missing and you can not seem to put your finger on it, then you're ready for the TPO message and approach. Are you running your company on an Organizational Operating System (OOS) like Traction, EOS(R), the Entrepreneurial Operating System(R), Rockefeller Habits, Scaling Up, Gazelles, 4DX, Holocracy, or The Advantage? If you are using one of these systems, or if you have developed your own internal system, The Patient Organization is a must-read, as it unlocks the underlying reasons why the tools in your OOS are working, or not working. It is your Rosetta Stone for getting everything out of your system that you can. "An organization is essentially a human fiction, only given meaning and power by those who believe in it." -- Walt Brown, Author The reason a solid OOS works is that it helps drive and maintain an organization's common set of beliefs.

There are seven areas humans need to align with at work in order to share in an organization's common belief. The more alignment and shared belief, the stronger your organization. "Folks have to know they belong, they must believe in the mission, the plan, the leaders, the product, they need to understand embrace and believe in what they are accountable for as it aligns to the mission, they need to believe in how they are measured, how they are heard, how they are developed and how they maintain balance. They need to understand what believing means, and a good OOS helps them maintain that belief." Seven Areas: Belong, Believe, Accountable, Measured, Heard, Developed, Balanced. The Patient Organization dives into the psychology and neurology behind the seven questions and then anchors the theory in your OOS with what Brown calls real world "Heavy Lifts"--exercises you can do with your team to test the strength of your OOS and advance the progress you have made in leveraging all your OOS can deliver. What is in it for you? You will know how you will attract, engage, empower, and retain the worker of the future—our fresh workforce, millennials. You will know how you are going to dominate your competitors before, during, and after the next economic opportunity, i.e. a downturn. You will know how you will address the scourge of instant competitor imitation. You will know how strong your organization is. You will know how to measure the strength of the culture in your organization. You will really know if you are a "Best Place to Work" organization. With the 7 keys inside TPO you will unlock and harvest the true potential of your organization's investment into an OOS.

Conducting Online Surveys-Valerie M. Sue 2012 This book addresses the needs of researchers who want to conduct surveys online. Issues discussed include sampling from online populations, developing online and mobile questionnaires, and administering electronic surveys, are unique to digital surveys. Others, like creating reliable and valid survey questions, data analysis strategies, and writing the survey report, are common to all survey environments. This single resource captures the particulars of conducting digital surveys from start to finish.

Renewable Energy System Design-Ziyad Salameh 2014-05-12 The limitation of fossil fuels has challenged scientists and engineers to search for alternative energy resources that can meet future energy demand. Renewable Energy System Design is a valuable reference focusing on engineering, design, and operating principles that engineers

can follow in order to successfully design more robust and efficient renewable energy systems. Written by Dr. Ziyad Salameh, an expert with over thirty years of teaching, research, and design experience, Renewable Energy System Design provides readers with the "nuts and bolts" of photovoltaic, wind energy, and hybrid wind/PV systems. It explores renewable energy storage devices with an emphasis on batteries and fuel cells and emerging sustainable technologies like biomass, geothermal power, ocean thermal energy conversion, solar thermal, and satellite power. Renewable Energy System Design is a must-have resource that provides engineers and students with a comprehensive yet practical guide to the characteristics, principles of operation, and power potential of the most prevalent renewable energy systems. Explains and demonstrates design and operating principles for solar, wind, hybrid and emerging systems with diagrams and examples Utilizes case studies to help engineers anticipate and overcome common design challenges Explores renewable energy storage methods particularly batteries and fuel cells and emerging renewable technologies

Feedback Systems-Karl Johan Åström 2010-04-12 This book provides an introduction to the mathematics needed to model, analyze, and design feedback systems. It is an ideal textbook for undergraduate and graduate students, and is indispensable for researchers seeking a self-contained reference on control theory. Unlike most books on the subject, Feedback Systems develops transfer functions through the exponential response of a system, and is accessible across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. They provide exercises at the end of every chapter, and an accompanying electronic solutions manual is available. Feedback Systems is a complete one-volume resource for students and researchers in mathematics, engineering, and the sciences. Covers the mathematics needed to model, analyze, and design feedback systems Serves as an introductory textbook for students and a self-contained resource for researchers Includes exercises at the end of every chapter Features an electronic solutions manual Offers techniques applicable across a range of disciplines

The Yeasts-Cletus Kurtzman 2011-05-09 The Yeasts: A Taxonomic Study is a three-volume book that covers the taxonomic aspect of yeasts. The main goal of this book is to provide important information about the identification of yeasts. It also discusses the growth tests that can be used to identify different species of yeasts, and it examines how the more important species of yeasts provide information for the selection of species needed for biotechnology. • Volume 1 discusses the identification, classification and importance of yeasts in the field of biotechnology. • Volume 2 focuses on the identification and classification of ascomycetous yeasts. • Volume 3 deals with the identification and classification of basidiomycetous yeasts, along with the genus Prototheca. High-quality photomicrographs and line drawings Detailed phylogenetic trees Up-to-date, clearly presented yeast taxonomy and systematic, easy-to-use reference sequence accession numbers to allow for correct identification Operating Systems-Remzi H. Arpacı-Dusseau 2018-09 "This book is organized around three concepts fundamental to OS construction: virtualization (of CPU and memory), concurrency (locks and condition variables), and persistence (disks, RAIDS, and file systems"--Back cover.

GMAT Prep Course-Jeff Kolby 2016-07-20 Comprehensive, Rigorous Prep for the New GMAT. Every year students pay as much as \$1,000 to test prep companies to prepare for the GMAT. Now you can get the same preparation in a book. GMAT Prep Course provides the equivalent of a 2-month, 50-hour course. Although the GMAT is a difficult test, it is a very learnable test. GMAT Prep Course presents a thorough analysis of the GMAT and introduces numerous analytic techniques that will help you immensely, not only on the GMAT but in business school as well. Features: * Math: Twenty-two chapters provide comprehensive review of GMAT math. * Integrated Reasoning: Thorough analysis of the new integrated reasoning section. * Logical Reasoning: Discover the underlying simplicity of these problems and learn the tactics the GMAT writers use to obfuscate the answers. * Reading Comprehension: Develop the ability to spot places from which questions are likely to be drawn as you read a passage. (pivotal words, counter-premises, etc.) * Sentence Correction: Comprehensive review of GMAT grammar. * Writing Assessment: Learn how to get top scores on your Analysis of Issue and Analysis of Argument essays. * Mentor Exercises: These exercises provide hints, insight, and partial solutions to ease your transition from seeing GMAT problems solved to solving them on your own.

Operating System Concepts-James Lyle Peterson 1985 Software -- Operating Systems.

What the Heck Is EOS?-Gino Wickman 2017-09-05 Has your company struggled to roll EOS out to all levels of your organization? Do your employees understand why EOS is important or even what it is? What the Heck is EOS? is for the millions of employees in companies running their businesses on EOS (Entrepreneurial Operating System). An easy and fast read, this book answers the questions many employees have about EOS and their company: What is an operating system? What is EOS and why is my company using it? What are the EOS foundational tools and how do they impact me? What's in it for me? Designed to engage employees in the EOS process and tools, What the Heck is EOS? uses simple, straightforward language and provides questions about each tool for managers and employees to discuss creating more ownership and buy-in at the staff level. After reading this book, employees will not only have a better understanding of EOS but they will be more engaged, taking an active role in helping achieve your company's vision.

Olive Processing Waste Management-Michael Niaounakis 2006-02-01 Olive Processing Waste Management contains a comprehensive review of literature and patent survey concerning olive processing waste. Over 1,000 citations are presented. Wastes considered include olive cultivation solid waste, wastes arising from classical, three- and two-phase olive mills and wastes generated during table olive processing. In addition, information is presented concerning the management of spent olive oil (e.g. from cooking). The book is divided into five parts. Part I presents background information concerning the characterization of olive processing wastes, their environmental impacts if disposed untreated and the effect of utilised olive-mill technology on the quantity and quality of generated wastes. Part II presents physical, thermal, physico-chemical, biological and combined or miscellaneous processes for treating olive-mill wastes. Part III concerns information on utilization of such wastes with or without prior treatment. Part IV concentrates on table olive processing waste and presents information regarding its characterization, treatment and uses. Part V presents an economical and legislative overview regarding olive-mill waste. The book contains a bibliography, glossary of terms used in the text, subject, patent and author indices as well as pertinent internet sites and authorities. Complete coverage of all available literature and patents concerning olive processing waste including economic and legislative issues Critical review of up to date utilized processes concerning treatment and uses of such waste Determination of research needs for further utilization of such wastes The Leader in Me-Stephen R. Covey 2014-08-19 An introduction to leadership draws on a program developed for an elementary school to show how to apply the principles of "The 7 Habits of Highly Effective People" to help everyone, including young children, identify and use their individual talents.

HR Information Systems Survey- 1998

Perspectives on Data Science for Software Engineering-Tim Menzies 2016-07-14 Perspectives on Data Science for Software Engineering presents the best practices of seasoned data miners in software engineering. The idea for this book was created during the 2014 conference at Dagstuhl, an invitation-only gathering of leading computer scientists who meet to identify and discuss cutting-edge informatics topics. At the 2014 conference, the concept of how to transfer the knowledge of experts from seasoned software engineers and data scientists to newcomers in the field highlighted many discussions. While there are many books covering data mining and software engineering basics, they present only the fundamentals and lack the perspective that comes from real-world experience. This book offers unique insights into the wisdom of the community's leaders gathered to share hard-won lessons from the trenches. Ideas are presented in digestible chapters designed to be applicable across many domains. Topics included cover data collection, data sharing, data mining, and how to utilize these techniques in successful software projects. Newcomers to software engineering data science will learn the tips and tricks of the trade, while more experienced data scientists will benefit from war stories that show what traps to avoid. Presents the wisdom of community experts, derived from a summit on software analytics Provides contributed chapters that share discrete ideas and technique from the trenches Covers top areas of concern, including mining security and social data, data visualization, and cloud-based data Presented in clear chapters designed to be applicable across many domains Biomass Gasification, Pyrolysis and Torrefaction-Prabir Basu 2013-07-18 Biomass is the most widely used non-fossil fuel in the world. Biomass resources show a considerable potential in the long-term given the increasing proliferation of dedicated energy crops for biofuels. The second edition of Biomass Gasification and Pyrolysis is enhanced with new topics, such as torrefaction and cofiring, making it a versatile resource that not only explains the basic principles of energy conversion systems, but also provides valuable insight into the design of biomass conversion systems. This book will allow professionals, such as engineers, scientists, and operating personnel of biomass gasification, pyrolysis or torrefaction plants, to gain a better comprehension of the basics of biomass conversion. The author provides many worked out design problems, step-by-step design procedures and real data on commercially operating systems. With a dedicated focus on the design, analysis, and operational aspects of biomass gasification, pyrolysis, and torrefaction, Biomass Gasification, Pyrolysis and Torrefaction, Second Edition offers comprehensive coverage of biomass in its gas, liquid, and solid states in a single easy-to-access source. Contains new and updated step-by-step process flow diagrams, design data and conversion charts, and numerical examples with solutions Includes chapters dedicated to evolving torrefaction technologies, practicing option of biomass cofiring, and biomass conversion economics Expanded coverage of syngas and other Fischer-Tropsch alternatives Spotlights advanced processes such as supercritical water gasification and torrefaction of biomass. Provides available research results in an easy-to-use design methodology

Handbook of Research on Electronic Surveys and Measurements-Reynolds, Rodney A. 2006-09-30 "This book is the comprehensive reference source for innovative knowledge on electronic surveys. It provides complete coverage of the challenges associated with the use of the Internet to develop online surveys, administer Web-based instruments, and conduct computer-mediated assessments. This combination of how-to information about online research coupled with profiles of specific measures makes it an indispensable reference"--Provided by publisher.

AIA Firm Survey Report- 1997

Ten Strategies of a World-Class Cybersecurity Operations Center-Carson Zimmerman 2014-07-01 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.

Operating Systems-Galvin 1990

Medical Modelling-Richard Bibb 2014-12-13 Medical modelling and the principles of medical imaging, Computer Aided Design (CAD) and Rapid Prototyping (also known as Additive Manufacturing and 3D Printing) are important techniques relating to various disciplines - from biomaterials engineering to surgery. Building on the success of the first edition, Medical Modelling: The application of Advanced Design and Rapid Prototyping techniques in medicine provides readers with a revised edition of the original text, along with key information on innovative imaging techniques, Rapid Prototyping technologies and case studies. Following an overview of medical imaging for Rapid Prototyping, the book goes on to discuss working with medical scan data and techniques for Rapid Prototyping. In this second edition there is an extensive section of peer-reviewed case studies, describing the practical applications of advanced design technologies in surgical, prosthetic, orthotic, dental and research applications. Covers the steps towards rapid prototyping, from conception (modelling) to manufacture (manufacture) Includes a comprehensive case studies section on the practical application of computer-aided design (CAD) and rapid prototyping (RP) Provides an insight into medical imaging for rapid prototyping and working with medical scan data Strengthening Forensic Science in the United States-National Research Council 2009-07-29 Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Animal Models for the Study of Human Disease-P. Michael Conn 2013-05-29 Animal Models for the Study of Human Disease identifies important animal models and assesses the advantages and disadvantages of each model for the study of human disease. The first section addresses how to locate resources, animal alternatives, animal ethics and related issues, much needed information for researchers across the biological sciences and biomedicine.The next sections of the work offers models for disease-oriented topics, including cardiac and pulmonary diseases, aging, infectious diseases, obesity, diabetes, neurological diseases, joint diseases, visual disorders, cancer, hypertension, genetic diseases, and diseases of abuse. Organized by disease orientation for ease of searchability Provides information on locating resources, animal alternatives and animal ethics Covers a broad range of animal models used in research for human disease

Complementary Strategies to Study Virus Structure and Function- 2019-09-13 Complementary Strategies to Study Virus Structure and Function, Volume 104, the latest release in the Advances in Virus Research series, highlights new advances in the field, with this new volume presenting interesting chapters on X-ray structures from crystals of viral proteins grown in cellula, NMR and SAXS to study protein dynamics and natively disordered viral proteins, Mass spectrometry to study virus particle assembly, Atomic force microscopy to study virus particles, Non-enveloped viruses and interactions with antibodies, Non-enveloped viruses and their mechanism of entry into cells, Structures of enveloped virions by electron cryo-microscopy and cryo-tomography, and many other interesting topics. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Advances in Virus Research series Includes the latest information on virus structure and function

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