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Protecting Consumers Against Cramming and Spamming Apr 14 2021

[Snort Cookbook](#) Dec 23 2021 If you are a network administrator, you're under a lot of pressure to ensure that mission-critical systems are completely safe from malicious code, buffer overflows, stealth port scans, SMB probes, OS fingerprinting attempts,

CGI attacks, and other network intruders. Designing a reliable way to detect intruders before they get in is an essential--but often overwhelming--challenge. Snort, the defacto open source standard of intrusion detection tools, is capable of performing real-time traffic analysis and packet logging on IP network. It can perform protocol analysis, content searching, and matching. Snort can save countless headaches; the new Snort Cookbook will save countless hours of sifting through dubious online advice or wordy tutorials in order to leverage the full power of SNORT. Each recipe in the popular and practical problem-solution-discussion O'Reilly cookbook format contains a clear and thorough description of the problem, a concise but complete discussion of a solution, and real-world examples that illustrate that solution. The Snort Cookbook covers important issues that sys admins and security pros will use everyday, such as: installation optimization logging alerting rules and signatures detecting viruses countermeasures detecting common attacks administration honeypots log analysis But the Snort Cookbook offers far more than quick cut-and-paste solutions to frustrating security issues. Those who learn best in the trenches--and don't have the hours to spare to pore over tutorials or troll online for best-practice snippets of advice--will find that the solutions offered in this ultimate Snort sourcebook not only solve immediate problems quickly, but also showcase the best tips and tricks they need to master to be security gurus--and still have a life.

Emerging Solutions for Future Manufacturing Systems Mar 02 2020 Industries and particularly the manufacturing sector have been facing difficult challenges in a context of socio-economic turbulence characterized by complexity as well as the speed of change in causal interconnections in the socio-economic environment. In order to respond to these challenges companies are forced to seek new technological and organizational solutions. In this context two main characteristics emerge as key properties of a modern automation system – agility and distribution. Agility because systems need not only to be flexible in order to adjust to a number of a-priori defined scenarios, but rather must cope with unpredictability. Distribution in the sense that automation and business processes are becoming distributed and supported by collaborative networks. Emerging Solutions for Future Manufacturing Systems includes the papers selected for the BASYS'04 conference, which was held in Vienna, Austria in September 2004 and sponsored by the International Federation for Information Processing (IFIP).

Autonomic and Trusted Computing Nov 09 2020 This book constitutes the refereed proceedings of the Third International Conference on Autonomic and Trusted Computing, ATC 2006, held in Wuhan, China in September 2006. The 57 revised full papers presented together with two keynotes were carefully reviewed and selected from 208 submissions. The papers are organized in topical sections.

Legislative Efforts to Combat Spam Jul 30 2022

The UX Book Jul 26 2019 The UX Book: Process and Guidelines for Ensuring a Quality User Experience aims to help readers

learn how to create and refine interaction designs that ensure a quality user experience (UX). The book seeks to expand the concept of traditional usability to a broader notion of user experience; to provide a hands-on, practical guide to best practices and established principles in a UX lifecycle; and to describe a pragmatic process for managing the overall development effort. The book provides an iterative and evaluation-centered UX lifecycle template, called the Wheel, for interaction design. Key concepts discussed include contextual inquiry and analysis; extracting interaction design requirements; constructing design-informing models; design production; UX goals, metrics, and targets; prototyping; UX evaluation; the interaction cycle and the user action framework; and UX design guidelines. This book will be useful to anyone interested in learning more about creating interaction designs to ensure a quality user experience. These include interaction designers, graphic designers, usability analysts, software engineers, programmers, systems analysts, software quality-assurance specialists, human factors engineers, cognitive psychologists, cosmic psychics, trainers, technical writers, documentation specialists, marketing personnel, and project managers. A very broad approach to user experience through its components—usability, usefulness, and emotional impact with special attention to lightweight methods such as rapid UX evaluation techniques and an agile UX development process Universal applicability of processes, principles, and guidelines—not just for GUIs and the Web, but for all kinds of interaction and devices: embodied interaction, mobile devices, ATMs, refrigerators, and elevator controls, and even highway signage Extensive design guidelines applied in the context of the various kinds of affordances necessary to support all aspects of interaction Real-world stories and contributions from accomplished UX practitioners A practical guide to best practices and established principles in UX A lifecycle template that can be instantiated and tailored to a given project, for a given type of system development, on a given budget

Parallel Problem Solving from Nature - PPSN IV Aug 07 2020 This book constitutes the refereed proceedings of the International Conference on Evolutionary Computation held jointly with the 4th Conference on Parallel Problem Solving from Nature, PPSN IV, in Berlin, Germany, in September 1996. The 103 revised papers presented in the volume were carefully selected from more than 160 submissions. The papers are organized in sections on basic concepts of evolutionary computation (EC), theoretical foundations of EC, modifications and extensions of evolutionary algorithms, comparison of methods, other metaphors, and applications of EC in a variety of areas like ML, NNs, engineering, CS, OR, and biology. The book has a comprehensive subject index.

Security and Privacy in the Age of Ubiquitous Computing May 04 2020 Even in the age of ubiquitous computing, the importance of the Internet will not change and we still need to solve conventional security issues. In addition, we need to deal with new issues such as security in the P2P environment, privacy issues in the use of smart cards, and RFID systems. Security

and Privacy in the Age of Ubiquitous Computing addresses these issues and more by exploring a wide scope of topics. The volume presents a selection of papers from the proceedings of the 20th IFIP International Information Security Conference held from May 30 to June 1, 2005 in Chiba, Japan. Topics covered include cryptography applications, authentication, privacy and anonymity, DRM and content security, computer forensics, Internet and web security, security in sensor networks, intrusion detection, commercial and industrial security, authorization and access control, information warfare and critical protection infrastructure. These papers represent the most current research in information security, including research funded in part by DARPA and the National Science Foundation.

Worked Solutions in Organic Chemistry Aug 26 2019 This book illustrates and teaches the finer details of the tactics and strategies employed in the synthesis of organic molecules. As well as providing model answers to the problems, the book discusses, in detail, the reasons why particular strategies are chosen, and why, in given circumstances, alternative methods or routes may or may not be appropriate. As such it could be used as a stand alone volume for the teaching of organic chemistry with a modern and appropriate emphasis on synthesis. Extensive cross referencing to Principles of Organic Synthesis allows the two books to be used as companion volumes.

Email Less Talk More Jun 28 2022 This timely book addresses the excessive and misguided use of email and helps all of us come to a more sensible view of when, where, and why to use it. It also goes beyond email to provide a roadmap for effective workplace communication in general. You and your organization will be able to go further, faster that is, be more productive. Dr. Mark Frohman, President of Frohman Consulting Corporation and author of The Purpose Driven Organization, Mastering Priorities, and Involving Others in Problem Solving "I have key staff members chained to their desks daily clearing email and complaining that many emails are not required, or at least they did not need to be copied. I know as an organization we need to communicate more effectively. I look forward to passing this book onto my staff and watching the improvements." Terry P. Roche, President of Thomas Engineering Corporation I spent many years trying to better manage email but seemed to be losing ground on productivity. This book showed me the real solution use email for what it s good for, but don t overuse it. It s easy and fun to read and is packed with much more information than typical self-help and business productivity books. I ve become a more effective communicator, improved my work/life balance, and have helped my staff become more productive as well. Don Silvestri, V.P. of Marketing & Public Relations for Open Sports Network & former Director of Marketing for CBS SportsLine Email Less Talk More is the first book to provide solutions to problems created by workplace email overuse. Instead of treating the symptoms of reduced productivity and information overload with email management techniques and email etiquette, this book addresses the actual root cause. Email is a great communication method for many cases but not for all cases. The book

teaches people to choose the most effective communication means email, voicemail, meetings, or direct conversation based on the situation. It challenges readers to consider alternate communication methods before hitting COMPOSE or REPLY. It also provides solutions to many other productivity and work/life balance problems triggered by email and PDAs becoming the new preferred communication tools. Using an easy-to-read story format set in office, home, and family vacation settings, it shows how improper workplace communication especially email can adversely impact productivity, relationships, and personal lives. It provides many examples where email appears to be the most efficient communication tool but is actually much less productive for both the sender and recipients. The lessons from the book are summarized in easy-to-use rules that provide the Do s & Don ts of effective communication."

Information Technology Governance in Public Organizations Oct 09 2020 This book examines trends and challenges in research on IT governance in public organizations, reporting innovative research and new insights in the theories, models and practices within the area. As we noticed, IT governance plays an important role in generating value from organization's IT investments. However there are different challenges for researchers in studying IT governance in public organizations due to the differences between political, administrative, and practices in these organizations. The first section of the book looks at Management issues, including an introduction to IT governance in public organizations; a systematic review of IT alignment research in public organizations; the role of middle managers in aligning strategy and IT in public service organizations; and an analysis of alignment and governance with regard to IT-related policy decisions. The second section examines Modelling, including a consideration of the challenges faced by public administration; a discussion of a framework for IT governance implementation suitable to improve alignment and communication between stakeholders of IT services; the design and implementation of IT architecture; and the adoption of enterprise architecture in public organizations. Finally, section three presents Case Studies, including IT governance in the context of e-government strategy implementation in the Caribbean; the relationship of IT organizational structure and IT governance performance in the IT department of a public research and education organization in a developing country; the relationship between organizational ambidexterity and IT governance through a study of the Swedish Tax Authorities; and the role of institutional logics in IT project activities and interactions in a large Swedish hospital.

Knowledge, Information and Creativity Support Systems: Recent Trends, Advances and Solutions May 28 2022 This volume contains some carefully selected papers presented at the 8th International Conference on Knowledge, Information and Creativity Support Systems KICCS'2013, which was held in Kraków and Wieliczka, Poland in November 2013. In most cases the papers are extended versions with newer results added, representing virtually all topics covered by the conference. The

KICCS'2013 focus theme, "Looking into the Future of Creativity and Decision Support Systems", clearly indicates that the growing complexity calls for some deeper and insightful discussions about the future but, obviously, complemented with an exposition of modern present developments that have proven their power and usefulness. Following this theme, the list of topics presented in this volume include some future-oriented fields of research, such as anticipatory networks and systems, foresight support systems, relevant newly-emerging applications, exemplified by autonomous creative systems. Special attention was also given to cognitive and collaborative aspects of creativity.

Open Source Software: Mobile Open Source Technologies Oct 21 2021 This book constitutes the refereed proceedings of the 10th International IFIP WG 2.13 Conference on Open Source Systems, OSS 2014, held in San José, Costa Rica, in May 2014. The 16 revised full papers and 16 short papers presented together with 5 poster papers were carefully reviewed and selected from 61 submissions. They have been organized in the following topical sections: open source visualization and reporting; open source in business modeling; open source in mobile and web technologies; open source in education and research; development processes of open source products; testing and assurance of open source projects; and global impact on open source communities and development. The last section consists of five case studies and demonstrations of open source projects.

Financial Services in the Twenty-First Century Apr 26 2022 This textbook covers financial systems and services, particularly focusing on the present system and future developments. Broken into four parts, it briefly covers the history of financial markets to present day, discusses the future of financial markets, and ends with an overview of the law and regulatory components of this progressive system. The book incorporates extremely recent advances such as FinTech, blockchain, and artificial intelligence as applied to financial institutions and markets, and discusses trends likely to reshape the global financial system in the 21st century, including the rise of emerging countries (BRICS), the shift of economic power from the United States to Asia, and the likely new world financial order. It also explores these themes while discussing central banks and monetary policy, interest rates, inflation/deflation, financial markets and instruments, exchange rates, and FOREX. Lastly, it discusses the legal and regulatory framework of these advancements. Combining rigorous detail alongside exercises and PowerPoint slides for each chapter, this textbook helps finance students understand the wide breadth of financial systems and speculates the forthcoming developments in the industry.

Java Servlet & JSP Cookbook Feb 10 2021 With literally hundreds of examples and thousands of lines of code, the Java Servlet and JSP Cookbook yields tips and techniques that any Java web developer who uses JavaServer Pages or servlets will use every day, along with full-fledged solutions to significant web application development problems that developers can insert directly into their own applications. Java Servlet and JSP Cookbook presents real-world problems, and provides concise,

practical solutions to each. Finding even one tested code "recipe" that solves a gnarly problem in this comprehensive collection of solutions and best practices will save hours of frustration--easily justifying the cost of this invaluable book. But "Java Servlet and JSP Cookbook" is more than just a wealth of cut-and-paste code. It also offers clear explanations of how and why the code works, warns of potential pitfalls, and directs you to sources of additional information, so you can learn to adapt the problem-solving techniques to similar situations. These recipes include vital topics like the use of Ant to setup a build environment, extensive coverage of the WAR file format and web.xml deployment descriptor, file-uploading, error-handling, cookies, logging, dealing with non-HTML content, multimedia, request filtering, web services, I18N, web services, and a host of other topics that frustrate even the most seasoned developers. For Java web developers of all levels who are eager to put into practice the theory presented in other API-focused books, the solutions presented in this practical book will prove invaluable over and over again. This is a painless way for less experienced developers who prefer to learn by doing to expand their skills and productivity, while accomplishing practical solutions to the pressing problems they face every day. More experienced developers can use these recipes to solve time-consuming problems quickly, freeing up their time for the more creative aspects of their work.

Human Aspects of IT for the Aged Population. Healthy and Active Aging Sep 07 2020 This three volume set of LNCS 12207, 12208 and 12209 constitutes the refereed proceedings of the 6th International Conference on Human Aspects of IT for the Aged Population, ITAP 2020, held as part of the 22nd International Conference, HCI International 2020, which took place in Copenhagen, Denmark, in July 2020. The conference was held virtually due to the COVID-19 pandemic. The total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions. ITAP 2020 includes a total of 104 regular papers which are organized in topical sections named: Involving Older Adults in HCI Methodology, User Experience and Aging, Aging and Mobile and Wearable Devices, Health and Rehabilitation Technologies, Well-being, Persuasion, Health Education and Cognitive Support, Aging in Place, Cultural and Entertainment Experiences for Older Adults, Aging and Social Media, Technology Acceptance and Societal Impact.

Street Fighter Marketing Solutions Oct 01 2022 For any business owner, franchise operator, or marketing executive who seeks to increase sales while lowering marketing costs, Jeff Slutsky offers a new way of thinking. In this indispensable guide to getting more bang for your buck, the well-known marketing consultant tells business managers to think tactically and locally -- using nontraditional, highly targeted forms of marketing and advertising. The tactics, ideas, approaches, and strategies in Street Fighter Marketing Solutions are geared for the bewildering new challenges that confront business- people in the new hypercompetitive, advertising-polluted environment in which they must seek profits. With pressures from "big box" retailers,

internet competition, and a glut of other immediate competitors, businessmen and businesswomen need a war chest of proven ideas and strategies to help them thrive. Additionally, local businesses suffer from advertising price increases despite eroding audiences from the local media, especially newspapers, radio, and TV. This book could be the answer to your current and future marketing problems. You'll learn how to mold and manipulate traditional advertising methods while supplementing or supplanting them with alternative, novel techniques for lower cost and higher reward. National and regional corporations who sell their products and services through a network of local retailers, franchisees, or dealers will also benefit greatly from this book. It will provide them with an easy-to-understand blueprint on how to develop, roll out, and maintain a practical, money-saving, sales-generating Street Fighter Marketing program throughout their organization. In a book full of success stories, Slutsky discusses in a clear, practical, straightforward manner how Street Fighter Marketing techniques can work for you. The first step to growing your market share may well be to spend a few hours in the company of one of the nation's most savvy and engaging business tacticians. For more information and a downloadable video, visit www.streetfightermarketing.com.

Regular Expressions Cookbook Mar 14 2021 Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate HTML, XML, and data exchange formats Discover little-known regular expression tricks and techniques

PHP Cookbook Sep 19 2021 Want to understand a certain PHP programming technique? Or learn how to accomplish a particular task? This cookbook is the first place to look. With more than 350 code-rich recipes revised for PHP 5.4 and 5.5, this third edition provides updated solutions for generating dynamic web content—everything from using basic data types to querying databases, and from calling RESTful APIs to testing and securing your site. Each recipe includes code solutions that you can freely use, along with a discussion of how and why they work. Whether you're an experienced PHP programmer or coming to PHP from another language, this book is an ideal on-the-job resource. You'll find recipes to help you with: Basic data

types: strings, numbers, arrays, and dates and times
Program building blocks: variables, functions, classes, and objects
Web programming: cookies, forms, sessions, and authentication
Database access using PDO, SQLite, and other extensions
RESTful API clients and servers, including HTTP, XML, and OAuth
Key concepts: email, regular expressions, and graphics creation
Designing robust applications: security and encryption, error handling, debugging and testing, and performance tuning
Files, directories, and PHP's Command Line Interface
Libraries and package managers such as Composer and PECL

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Intelligent Information Processing and Web Mining Feb 22 2022 This edited book contains articles accepted for presentation during The Intelligent Information Processing and Web Mining Conference IIS:IIP WM_i04 held in Zakopane, Poland, on May 17-20, 2004. Considerable attention is devoted to the newest developments in the area of Artificial Intelligence with special calls for contributions on Web mining. This book will be a valuable source for further research in the fields of data mining, intelligent information processing, machine learning, computational linguistics, or natural language processing for search engines.

E-commerce Jun 16 2021 The growth of the Internet continues to influence our lives and businesses. Irrespective of their type and size, all firms and organizations are rethinking their strategies and operations. An increasing number of businesses are using e-commerce to gain competitive advantage. However, doing e-commerce is complex and requires understanding a vast array of topics. This book provides coverage of essential topics in E-commerce i.e. technology infrastructure, building blocks of e-commerce, online marketing, online payment systems, online business models, online business environment issues, website usability, e-commerce strategy, mobile commerce, and e-CRM/e-SCM. Compared with available texts on e-commerce, the perspective of this book is global e-commerce. The book is written in simple language, provides up-to-date coverage of material and associated research, and filled with examples to support material presented. This book is useful for undergrad and graduate students, professionals, and anyone looking to gain a solid foundation to continue their learning of dynamic e-commerce environment.

Windows Server 2003 Security Cookbook May 16 2021 A handy problem-solver that teaches you how to perform important security tasks in the Windows Server 2003 OS, using very specific recipes. Each recipe features a brief description of the problem, a step-by-step solution, and then a discussion of the technology at work. There is also a detailed explanation of Microsoft's scripting support.

Java Cookbook Apr 02 2020 From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to

GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging Manipulating, comparing, and rearranging text Regular expressions for string- and pattern-matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Directory and filesystem operations Working with graphics, audio, and video GUI development, including JavaFX and handlers Network programming on both client and server Database access, using JPA, Hibernate, and JDBC Processing JSON and XML for data storage Multithreading and concurrency

Lift Cookbook Jan 12 2021 If you need help building web applications with the Lift framework, this cookbook provides scores of concise, ready-to-use code solutions. You'll find recipes for everything from setting up a coding environment to creating REST web services and deploying your application to production. Built on top of the Scala JVM programming language, Lift takes a different—yet ultimately easier—approach to development than MVC frameworks such as Rails. Each recipe in this book includes a discussion of how and why each solution works, not only to help you complete the task at hand, but also to illustrate how Lift works. Set up an environment and run your first Lift application Generate HTML, using Lift's View First approach Submit forms and work with form elements Build REST web services with the framework's RestHelper trait Take advantage of Lift's support for Ajax and Comet Get examples for modifying Lift's request pipeline Convert Scala classes into tables, rows, and columns in a relational database Send email, call URLs, and schedule tasks from your application Package and deploy your application to various hosted services

Innovative Security Solutions for Information Technology and Communications Dec 31 2019 This book constitutes the thoroughly refereed post-conference proceedings of the 8th International Conference on Security for Information Technology and Communications, SECITC 2015, held in Bucharest, Romania, in June 2015. The 17 revised full papers were carefully reviewed and selected from 36 submissions. In addition with 5 invited talks the papers cover topics such as Cryptographic Algorithms and Protocols, Security Technologies for IT&C, Information Security Management, Cyber Defense, and Digital Forensics.

A+ Guide to IT Technical Support (Hardware and Software) Jun 04 2020 This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, *A+ Guide to IT Technical Support, 9th Edition* closely integrates the CompTIA+ Exam objectives to prepare you for the 220-901 and 220-902 certification exams. The new Ninth Edition also features extensive updates to reflect

current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. The new edition features more coverage of updated hardware, security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices. Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes online labs and the optional MindTap that includes online labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician and administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

IT Essentials Nov 21 2021 *IT Essentials: PC Hardware and Software Companion Guide, Fifth Edition* *IT Essentials: PC Hardware and Software Companion Guide, Fifth Edition*, supports the Cisco Networking Academy *IT Essentials: PC Hardware and Software* version 5 course. The course is designed for Cisco Networking Academy students who want to pursue careers in IT and learn how computers work, how to assemble computers, and how to safely and securely troubleshoot hardware and software issues. As CompTIA Approved Quality Content, the course also helps you prepare for the CompTIA A+ certification exams 220-801 and 220-802. CompTIA A+ 220-801 covers the fundamentals of computer technology, installation and configuration of PCs, laptops, related hardware, and basic networking. CompTIA A+ 220-802 covers the skills required to install and configure PC operating systems and configure common features, such as network connectivity and email for Android and Apple iOS mobile operating systems. Students must pass both exams to earn the CompTIA A+ certification. The features of the Companion Guide are designed to help you study and succeed in this course: -- Chapter objectives—Review core concepts by answering the focus questions listed at the beginning of each chapter. -- Key terms—Refer to the updated lists of networking vocabulary introduced, and turn to the highlighted terms in context. -- Course section numbering—Follow along with the course heading numbers to easily jump online to complete labs, activities, and quizzes referred to within the text. -- Check Your Understanding Questions and Answer Key—Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. -- Glossary in the back of the book to define Key Terms The lab icon in the Companion Guide indicates when there is a hands-on Lab or Worksheet to do. The Labs and Worksheets are compiled and published in the separate book, *IT Essentials: PC Hardware and Software Lab Manual, Fifth Edition*. With more than 1300 pages of activities, including Windows 7, Windows Vista, and Windows XP variations covered in the CompTIA A+ exam objectives, practicing and performing these tasks will reinforce the concepts and help you become a successful PC technician.

Youngsters Solving Mathematical Problems with Technology Jul 18 2021 This book contributes to both mathematical problem

solving and the communication of mathematics by students, and the role of personal and home technologies in learning beyond school. It does this by reporting on major results and implications of the Problem@Web project that investigated youngsters' mathematical problem solving and, in particular, their use of digital technologies in tackling, and communicating the results of their problem solving, in environments beyond school. The book has two focuses: Mathematical problem solving skills and strategies, forms of representing and expressing mathematical thinking, technological-based solutions; and students' and teachers' perspectives on mathematics learning, especially school compared to beyond-school mathematics.

Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics Jan 24 2022 Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Industrial Electronics, Technology and Automation, Telecommunications and Networking. Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics includes selected papers from the conference proceedings of the International Conference on Industrial Electronics, Technology and Automation (IETA 2007) and International Conference on Telecommunications and Networking (TeNe 07) which were part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2007).

Adversary-Aware Learning Techniques and Trends in Cybersecurity Oct 28 2019 This book is intended to give researchers and practitioners in the cross-cutting fields of artificial intelligence, machine learning (AI/ML) and cyber security up-to-date and in-depth knowledge of recent techniques for improving the vulnerabilities of AI/ML systems against attacks from malicious adversaries. The ten chapters in this book, written by eminent researchers in AI/ML and cyber-security, span diverse, yet inter-related topics including game playing AI and game theory as defenses against attacks on AI/ML systems, methods for effectively addressing vulnerabilities of AI/ML operating in large, distributed environments like Internet of Things (IoT) with diverse data modalities, and, techniques to enable AI/ML systems to intelligently interact with humans that could be malicious adversaries and/or benign teammates. Readers of this book will be equipped with definitive information on recent developments suitable for countering adversarial threats in AI/ML systems towards making them operate in a safe, reliable and seamless manner.

A Strategic Guide to Technical Communication - Second Edition (Canadian) Mar 26 2022 A Strategic Guide to Technical Communication incorporates useful and specific strategies for writers to create aesthetically appealing and usable technical documentation. These strategies have been developed and tested on a thousand students from a number of different disciplines over twelve years and three institutions. The second edition adds a chapter on business communication, reworks the discussion

on technical style, and expands the information on visual communication and ethics into free-standing chapters. Particular attention is paid throughout to the needs of Canadian students.

Blockchain and Applications Aug 31 2022 This book constitutes the refereed proceedings of the 1st International Congress on Blockchain and Applications 2021, BLOCKCHAIN'21, held in Salamanca, Spain, in October 2021. Among the scientific community, blockchain and artificial intelligence are a promising combination that will transform the production and manufacturing industry, media, finance, insurance, e-government, etc. Nevertheless, there is no consensus with schemes or best practices that would specify how blockchain and artificial intelligence should be used together. The 38 full papers presented were carefully reviewed and selected from over 44 submissions. They contain the latest advances on blockchain and artificial intelligence and on their application domains, exploring innovative ideas, guidelines, theories, models, technologies, and tools and identifying critical issues and challenges that researchers and practitioners must deal with in future research.

Proceedings of the International ACM SIGGROUP Conference on Supporting Group Work Jan 30 2020

Teaching Transformations 2011—Contributions from the May 2011 Joint Annual Conference of the Center for Innovative Teaching (CIT) and Educational Technology (EdTech) at UMass Boston Sep 27 2019 This Summer 2011 (IX, 3) issue of *Human Architecture: Journal of the Sociology of Self-Knowledge* entitled “Teaching Transformations 2011?—a fourth of its annual “Teaching Transformations” series—brings together selected proceedings of the joint CIT (Center for Innovative Teaching)/EdTech (Educational Technology) conference held on May 12, 2011, at UMass Boston. The editors’ note describes the reasons for the bringing together of the two separately organized conferences in the past. It also reports on the new name adopted by CIT (from its former name, the Center for the Improvement of Teaching). The papers include a variety of contributions on topics such as: innovative techniques to enrich the dynamics of classroom discussions; “addressing plagiarism in a digital age”; cross-cultural/national, cross-institutional teaching of a course using online educational tools; “‘Islamicizing’ a Euro/American curriculum”; modernizing classical language education using the communicative language teaching (CLT) technique in conjunction with new educational technologies; teaching about race, caste and gender in light of the findings of anthropological and genetic sciences; and suggestions for online student collaborations based on the experience of teaching a Critical Thinking course. Contributors include: Eleanor Kutz (also as journal issue guest editor), Vivian Zamel (also as journal issue guest editor), LaMont Egle, Evelyn Navarre, Cheryl Nixon, Wayne Rhodes, Stephen Sutherland, Edward J. Romar, Annamaria Sas, Irene Yukhananov, Alan Girelli, Teddy Hristov, Mary Ball Howkins, Apostolos Koutropoulos, Tara Devi S. Ashok, Bob Schoenberg, and Mohammad H. Tamdgidi (also as journal editor-in-chief). *Human Architecture: Journal of the Sociology of Self-Knowledge* is a publication of OKCIR: The Omar Khayyam Center for Integrative Research in Utopia,

Mysticism, and Science (Utopystics). For more information about OKCIR and other issues in its journal's Edited Collection as well as Monograph and Translation series visit OKCIR's homepage.

GIScience Teaching and Learning Perspectives Jun 24 2019 This volume uniquely links educational theories and the practice of GIScience in higher education contexts to guide classroom practice, present effective practical implementations from peers, and provide resources and strategies for effective teaching methods. The book offers a comprehensive exploration of GIScience education, including current trends and future educational needs in GIScience, and will act as a resource to prepare learners for a world that demands more intensive investment in present-day education and technological literacy. Additionally, the indirect benefit of merging the fragmented literature on GIScience literacy will provide a basis to examine common techniques and enable a new wave of research more rooted in learning theories. In ten chapters, the book is designed to attract an audience from geographic information systems science, geomatics, spatial information science, cartography, information technology, and educational technology as focus disciplines.

Visual Basic 2005 Cookbook Aug 19 2021 This book will help you solve more than 300 of the most common and not-so-common tasks that working Visual Basic 2005 programmers face every day. If you're a seasoned .NET developer, beginning Visual Basic programmer, or a developer seeking a simple and clear migration path from VB6 to Visual Basic 2005, the Visual Basic 2005 Cookbook delivers a practical collection of problem-solving recipes for a broad range of Visual Basic programming tasks. The concise solutions and examples in the Visual Basic 2005 Cookbook range from simple tasks to the more complex, organized by the types of problems you need to solve. Nearly every recipe contains a complete, documented code sample showing you how to solve the specific problem, as well as a discussion of how the underlying technology works and that outlines alternatives, limitations, and other considerations. As with all O'Reilly Cookbooks, each recipe helps you quickly understand a problem, learn how to solve it, and anticipate potential tradeoffs or ramifications. Useful features of the book include: Over 300 recipes written in the familiar O'Reilly Problem-Solution-Discussion format Hundreds of code snippets, examples, and complete solutions available for download VB6 updates to alert VB6 programmers to code-breaking changes in Visual Basic 2005 Recipes that target Visual Basic 2005 features not included in previous releases Code examples covering everyday data manipulation techniques and language fundamentals Advanced projects focusing on multimedia and mathematical transformations using linear algebraic methods Specialized topics covering files and file systems, printing, and databases In addition, you'll find chapters on cryptography and compression, graphics, and special programming techniques. Whether you're a beginner or an expert, the Visual Basic 2005 Cookbook is sure to save you time, serving up the code you need, when you need it.

Instructional Story Design Dec 11 2020 Once Upon a Time, Storytelling Met Instructional Design From children to adults, everybody likes a good story. Stories are memorable, actionable, and emotional. We are constantly making sense of the world by forming stories, and that makes them perfect for instructional design. Instructional Story Design is a practical guide to writing and developing stories for training. It takes what you already know about a story's power to connect with people and offers a clear methodology for the otherwise daunting process of creating a compelling story. Master story designer Rance Greene shares his powerful yet familiar process to discover, design, and deliver instructional stories. He presents the two essential elements that must be present to tell a story for training: relatable characters and strong conflict. These elements create a desire for resolution and grab learners' attention. This book offers advice for unearthing the root of the performance problem, creating action lists for learners, and convincing stakeholders about the effectiveness of stories. Case studies from household companies such as Pizza Hut, Southwest Airlines, and PepsiCo show story design in action. Job aids and resources include an audience profile questionnaire, character description worksheet, storyboard template, and tips for developing stories using graphics, audio, and video. With this book, you'll:

- Sharpen your analysis skills to discover potential training stories.
- Design relatable stories that concretely connect with learning objectives.
- Easily develop captivating stories with tools you already own.
- Plan your next steps to implement your instructional story.

Do More Faster Nov 02 2022 Refreshed, updated, and expanded. Do More Faster provides time-tested advice, tips, and experiences by founders and mentors of Techstars to help entrepreneurs succeed! David Cohen and Brad Feld, leading advocates for entrepreneurs and startups, team up to provide first-time entrepreneurs with the tools, insights, and experiences to help them do more faster. The authors share their decades of experience working with thousands of startup founders and have enlisted the advice of dozens of Techstars startup founders and mentors. Contributors include Tim Ferriss, Eric Ries, Matt Mullenweg (WordPress), Isaac Saldana (SendGrid), and other successful entrepreneurs. Co-founders of Techstars, the worldwide network that helps entrepreneurs succeed, Cohen and Feld recognize the daunting task of creating a sustainable business and have seen first-hand the common mistakes first-time entrepreneurs make over and over. The authors take the complexity and uncertainty of starting a business and distill the critical factors into seven themes: Ideas and Vision, People, Working Effectively, Product, Fundraising, Legal and Structure, and Work and Life Harmony. They share their hard-won successes, failures, and advice for anyone with an idea who wants to create a business. Throughout the book crucial questions are raised and addressed from multiple perspectives. ? How important is it to have an original idea? ? How is founder conflict handled? ? What are the tradeoffs between bootstrapping and financing? Make-or-break decisions like company structure, hiring, and legal consequences are presented in an easy-to-understand style. Do More Faster will elevate your thinking on a

range of important topics, help you avoid costly mistakes, and provide you with a resource to consult as you go from idea to successful business. If you have the drive and desire to start a business, need to create a vibrant entrepreneurial ecosystem in your community, or want to spark greater innovation in your organization—don't go it alone. Use the advice, tips, and tactics found throughout *Do More Faster* to give yourself the best chance of succeeding.

Implementing the IBM System Storage SAN Volume Controller with IBM Spectrum Virtualize Version 8.4 Nov 29 2019

Continuing its commitment to developing and delivering industry-leading storage technologies, IBM® introduces the IBM FlashSystem® solution that is powered by IBM Spectrum® Virtualize V8.4. This innovative storage offering delivers essential storage efficiency technologies and exceptional ease of use and performance, all integrated into a compact, modular design that is offered at a competitive, midrange price. The solution incorporates some of the top IBM technologies that are typically found only in enterprise-class storage systems, which raises the standard for storage efficiency in midrange disk systems. This cutting-edge storage system extends the comprehensive storage portfolio from IBM and can help change the way organizations address the ongoing information explosion. This IBM Redbooks® publication introduces the features and functions of an IBM Spectrum Virtualize V8.4 system through several examples. This book is aimed at pre-sales and post-sales technical support and marketing and storage administrators. It helps you understand the architecture, how to implement it, and how to take advantage of its industry-leading functions and features.