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Discovering Computers, Essentials ©2018: Digital Technology, Data, and Devices Misty E. Vermaat 2017-03-14 Learn to maximize the use of mobile devices, make the most of online tools for collaboration and communication, and fully utilize the web and cloud with the latest edition of DISCOVERING COMPUTERS 2018. Clearly see how technology skills can assist in both gaining employment and advancing a career. This edition highlights web development, how to create a strong web presence, and take full advantage of the latest Windows 10. Content addresses today's most timely issues with

coverage of contemporary technology developments and interesting in-text discussions. The authors provide helpful suggestions within a proven learning structure and offer meaning practice to reinforce skills. Self-assessments open each module and equip readers to focus study efforts and master more skills in less time. DISCOVERING COMPUTERS presents the key content needed for success using an approach that ensures understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Troubleshooting and Maintaining Your PC All-in-One Desk Reference For Dummies
Dan Gookin 2009-03-09 Maintaining a PC is important, and troubleshooting a PC can be a challenge. Dan Gookin is great at explaining how to handle common PC problems, and he's provided a complete, plain-English manual in Troubleshooting & Maintaining Your PC All-in-One For Dummies. Liberally laced with Dan's famous humor and clear instructions, Troubleshooting & Maintaining Your PC All-in-One For Dummies is divided into six minibooks covering hardware, software, laptops, Internet, networking, and maintenance. Each one gives you some background on what causes common problems, to help you understand what's wrong as well as how to fix it. You'll learn to: Troubleshoot both Windows XP and Vista Solve e-mail and Web woes, makes friends with ActiveX, and protect your system from evil software and viruses Resolve router problems, reset the modem, delve into IP addresses, and find the elusive wireless network Investigate startup issues, battery quirks, and power problems Travel safely and efficiently with your laptop Perform regular maintenance and keep good backups Solve problems with disks and printers Find missing files, successfully restore files if something major goes wrong, and pep up your PC The bonus DVD walks you through some of the complex steps discussed in the book and

demonstrates tasks like removing a hard drive. There's a great collection of free and demo software, too. Troubleshooting & Maintaining Your PC All-in-One For Dummies is tech support in a book! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Computer Problem Solving Made Easy Which? Ltd 2012-11-01 Would you like to learn how to troubleshoot computer problems quickly and with confidence? Are you tired of asking others for help whenever an error message appears? This book features all-new solutions to problems in common computer programs, including Microsoft Word, Excel, email, Internet Explorer, and more.

Troubleshooting and Maintaining Your PC All-in-One For Dummies Dan Gookin 2017-05-30 Stop being a prisoner to your PC! Need a PC problem fixed in a pinch? Presto! Troubleshooting & Maintaining Your PC All-in-One For Dummies offers 5 books in 1 and takes the pain out of wading through those incomprehensible manuals, or waiting for a high-priced geek to show up days or weeks after you need them. Arming you with everything you need to get that pesky PC working for you ASAP, this handy guide walks you through all the steps to restoring whatever's making your PC go rogue —so you can get back to making it work for you. There's nothing worse than firing up your PC only to discover it's inexplicably unresponsive. With this guide, you'll gain all the skills and insight you need to need to bring it back to life —and to prevent it from ever leaving you in the lurch again. Find out what's behind common PC problems Solve email and web woes, both big and small Perform regular maintenance and get serious about backups Troubleshoot to find solutions to your issues and learn proper maintenance to head off future headaches! Your PC problems aren't as big as you think! Take matters into your own hands with the helpful instruction provided inside this

book!

How to Learn Computer for Dummies Boniface BENEDICT 2020-04-18 This book "How to Learn Computer for Dummies" is written to help you understand computer application. It comes with computer software and hardware problems and solutions. You will also learn some other necessary things that you need to know when operating your computer like, Wi-Fi internet access, troubleshooting errors, computer update issues, etc. The book is divided into different parts. Each part will teach you a unique thing that you need to know about computer. With this book, using a computer is made easy for dummies. Below are the things you will learn in this book;*Various Components of a computer (hardware and software)*Different Microsoft windows and how to install them*Understanding various Computer software's*Understanding different Computer hardware's*Troubleshooting different computer error messages and solutions*How to use Computer internet *Emailing*Wi-Fi and internet troubleshooting*Backup and protection*Securing your computer*Various computer hardware problems and solutions*Various computer software problems and solutions and many more.This book will guide you on how to operate your computer. It will also show you many window shortcuts keys that you can utilize when operating your computer. With this book, you don't need a teacher to teach you how to operate your PC or laptop.Enjoy.

Computer Literacy BASICS: A Comprehensive Guide to IC3 Connie Morrison 2014-04-16 Bring your computer literacy course back to the BASICS. COMPUTER LITERACY BASICS: A COMPREHENSIVE GUIDE TO IC3 provides an introduction to computer concepts and skills, which maps to the newest Computing Core Certification (IC3) standards. Designed with new learners in mind, this text covers Computing Fundamentals, Key Applications, and

Living Online - everything students need to pass the IC3 exam, and finish the course as confident computer users. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Raspberry Pi Cookbook Simon Monk 2016-05-18 With millions of new users and several new models, the Raspberry Pi ecosystem continues to expand—along with a lot of new questions about the Pi's capabilities. The second edition of this popular cookbook provides more than 240 hands-on recipes for running this tiny low-cost computer with Linux, programming it with Python, and hooking up sensors, motors, and other hardware—including Arduino and the Internet of Things. Prolific hacker and author Simon Monk also teaches basic principles to help you use new technologies with Raspberry Pi as its ecosystem continues to develop. This cookbook is ideal for programmers and hobbyists familiar with the Pi through resources, including Getting Started with Raspberry Pi (O'Reilly). Python and other code examples from the book are available on GitHub. Set up your Raspberry Pi and connect to a network Work with its Linux-based operating system Program Raspberry Pi with Python Give your Pi "eyes" with computer vision Control hardware through the GPIO connector Use Raspberry Pi to run different types of motors Work with switches, keypads, and other digital inputs Use sensors to measure temperature, light, and distance Connect to IoT devices in various ways Create dynamic projects with Arduino

Official Gazette of the United States Patent and Trademark Office 2004

The Architecture of Computer Hardware, Systems Software, and Networking Irv Englander 2021-04-06 The Architecture of Computer Hardware, Systems Software and Networking is designed help students majoring in information technology (IT) and information systems (IS) understand the structure and

operation of computers and computer-based devices. Requiring only basic computer skills, this accessible textbook introduces the basic principles of system architecture and explores current technological practices and trends using clear, easy-to-understand language. Throughout the text, numerous relatable examples, subject-specific illustrations, and in-depth case studies reinforce key learning points and show students how important concepts are applied in the real world. This fully-updated sixth edition features a wealth of new and revised content that reflects today's technological landscape. Organized into five parts, the book first explains the role of the computer in information systems and provides an overview of its components. Subsequent sections discuss the representation of data in the computer, hardware architecture and operational concepts, the basics of computer networking, system software and operating systems, and various interconnected systems and components. Students are introduced to the material using ideas already familiar to them, allowing them to gradually build upon what they have learned without being overwhelmed and develop a deeper knowledge of computer architecture.

Absolute Beginner's Guide to Upgrading and Fixing Your PC Michael Miller 2003 Absolute Beginner's Guide to Upgrading and Fixing Your PC is a comprehensive, non-technical guide to upgrading your computer and fixing common problems. It provides step-by-step instructions for specific types of upgrades, fast and easy ways to troubleshoot common computer problems - and how to restore your system to working order after a bad upgrade. Included are instructions for the following types of system enhancements: * Adding new USB, serial, parallel, and FireWire ports * Adding bigger hard disks and more system memory * Upgrading to better mice and keyboards * Upgrading to new printers, faxes, and scanners * Upgrading to bigger monitors and more

powerful video cards * Upgrading for digital photography and digital video editing * Upgrading for TV and DVD viewing * Upgrading for digital music playback * Upgrading for enhanced game play * Installing a wired or wireless network * Speeding up your Internet connection * Upgrading your operating system to Windows XP

The PC and Gadget Help Desk Mark Edward Soper 2014-10-04 A Do-It-Yourself Guide To Troubleshooting and Repairing Your EASY, comprehensive technology troubleshooter! PCs, smartphones, tablets, networks, cameras, home theater and more—all in one book! We all use technology—and we all have problems with it. Don't get frustrated… and don't waste money on costly repair or support calls! Solve the problems yourself, with the one guide that makes it easy: The PC and Gadget Help Desk. Using clear pictures, handy "symptom tables," and easy-to-use flowcharts, Mark Edward Soper walks you step-by-step through identifying, solving, and preventinghundreds of today's most aggravating tech problems. Soper covers all your major platforms: iPhones, iPads, Android devices, Windows systems, and more. He even helps you fix the weird problems that happen when you use them together! Regain lost Internet access and fix broken Wi-Fi connections Solve problems with viewing and sharing media or other files Track down power problems wherever they arise Troubleshoot printing problems and print from smartphones or tablets Fix missing video or audio on your HDTV or home theater system Get syncing working right on your Apple or Android device Improve your PC's 3D gaming performance Identify and replace flaky memory chips Prevent overheating that can damage your equipment Solve common problems with digital cameras and DV camcorders Troubleshoot iOS or Android antennas, updates, screens, and connectivity Get FaceTime working right on your iPhone or iPad Troubleshoot eReaders and display your eBooks

on additional devices Sensibly decide whether to upgrade, repair, or replace Mark Edward Soper has spent 30 years as an instructor and corporate trainer, helping thousands of people work more happily with personal technology. He is the author of PC Help Desk in a Book, and is the co-author of Leo Laporte's PC Help Desk, as well as more than 25 other books on Windows, digital imaging, networking, the Internet, IT certification, and computer troubleshooting. Soper is a CompTIA A+ Certified computer technician and Microsoft Certified Professional. BONUS ONLINE VIDEOS: Includes access to free, studio-quality how-to videos that make troubleshooting and repair even easier!

A+ Guide to Managing & Maintaining Your PC Jean Andrews 2013-01-01 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 MANAGING AND MAINTAINING YOUR PC closely integrates the CompTIAA+ Exam objectives to prepare you for the 220-801 and 220-802 certification exams. The new Eighth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. Supported by a wide range of supplemental resources to enhance learning—including innovative tools, interactive exercises and activities, and online study guides—this proven text offers an ideal way to prepare you for success as a professional PC repair technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Designing Embedded Hardware John Catsoulis 2002 Intelligent readers who want to build their own embedded computer systems--

installed in everything from cell phones to cars to handheld organizers to refrigerators-- will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded

Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.

PC Technician Ron Gilster 2000-10 Offers troubleshooting, diagnostics, and repair processes and procedures for personal computers, discussing symptoms, necessary tools, and instructions for verifying and correcting the problem.

IT Essentials Cisco Networking Academy 2013-07-16 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.

IT Essentials Companion Guide v7 Cisco Networking Academy 2020-04-01 IT Essentials v7 Companion Guide supports the Cisco Networking Academy IT Essentials version 7 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. 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. This book is part of the Cisco Networking Academy Series from Cisco Press®. Books in this series support and complement the Cisco Networking Academy.

PCs For Dummies Dan Gookin 2011-02-09 Fix Your Own Computer For Seniors For Dummies Corey Sandler 2009-12-04 Learn to diagnose and fix simple PC problems with this easy-to-follow guide When something goes wrong with your computer, it's frustrating and potentially expensive. With Fix Your Own Computer For Seniors For Dummies, you can find out what's wrong, how to fix it, whether you

need to call in professional help, and how to practice preventive maintenance. This friendly guide avoids techie jargon and shows you how to diagnose the problem, find out whether the software or hardware is at fault, make simple repairs, and add external devices such as scanners, printers, and hard drives. It also helps you maintain your computer through basic steps like defragmenting the hard drive and cleaning out files - techniques that can prevent a lot of problems from occurring in the first place. Written specifically for first-time computer users, this book explains how to diagnose basic PC problems, understand error messages, and fix common issues Specific step-by-step procedures guide you through basic repairs such as replacing the hard drive Explains common mistakes and how to avoid them Outlines the steps for preventive maintenance, such as how to defragment the hard drive, clean files, delete old files, and organize files Explores ways to expand and enhance a computer with external devices including hard drives, Web cameras, Web phones, scanners, printers, flash drives and other hardware Shows what you can fix yourself and when to seek help from a repair service or the manufacturer Easy to read and follow, Fix Your Own Computer For Seniors For Dummies will boost your confidence when dealing with your computer and with professional technicians, too.

Computer Hardware Maintenance Stephen Rood 1996 Computer Hardware Maintenance presents the full scope and understanding of how the PC hardware maintenance function should operate and be managed in an organization, including steps involved in containing costs, keeping records, and planning the integration of the help desk function. In today's IS department too often the PC hardware maintenance function is treated as a 'necessary evil', with the understanding that eventually all equipment will have some degree of mechanical or electrical failure. This book discusses scenarios where

keeping the maintenance function internal is most viable and where having it external, from a depot service, pickup and delivery, or on-site service, is most viable. Computer Hardware Maintenance concludes with brief descriptions of available third-party systems and how emerging trends in PC hardware configuration as proposed by the Desktop Management Task Force (DMTF) will have a major impact on the PC hardware maintenance function in the future.

Digital Guided Micro Prosthodontics Haiyang Yu 2022-07-30 This book focuses on the clear and simplified clinical techniques for microscopic restoration dentistry. With the help of microscope and hole reference technique (HRT), dentists can design the dimensional relationship and carry it out in preparation precisely. Authors firstly introduce an overview and surgical microscope and auxiliary instruments. In the second part, there are 4 techniques shown in each chapter.

Troubleshooting Your PC For Dummies Dan Gookin 2005-03-04 Targeting the snags, glitches, and predicaments cited most frequently by readers, bestselling author Dan Gookin clearly explains how to diagnose and cure common PC problems, whether they originate with software, the operating system, or hardware This updated edition features new, expanded coverage of laptop woes as well as Internet and e-mail issues, broadband connections, spam blocking, and security concerns Provides advice on how to prevent PC problems in the first place and create a safe and secure PC environment Dan Gookin is known for his ability to explain technology in an easy-to-understand and enjoyable fashion; his writing style, name, and reputation are unparalleled in the industry

A+ Guide to Hardware Jean Andrews 2013-01-09 This step-by-step, highly visual text provides you with a comprehensive introduction to managing and maintaining computer hardware. Written by best-selling author and

educator Jean Andrews, A+ GUIDE TO HARDWARE, Sixth Edition closely integrates the CompTIA A+ Exam objectives to prepare you for the hardware portions of the 220-801 and 220-802 certification exams. The new Sixth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. Supported by a wide range of supplemental resources to enhance learning—including innovative tools, interactive exercises and activities, and online study guides—this proven text offers an ideal way to prepare you for success as a professional PC repair technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Proceedings of the National Seminar on Applied Systems Engineering and Soft Computing 2000 Computer for Beginner's Boniface BENEDICT 2020-04-16 This book "How to Learn Computer for Dummies" is written to help you understand computer application. It comes with computer software and hardware problems and solutions. You will also learn some other necessary things that you need to know when operating your computer like, Wi-Fi internet access, troubleshooting errors, computer update issues, etc. The book is divided into different parts. Each part will teach you a unique thing that you need to know about computer. With this book, using a computer is made easy for dummies. Below are the things you will learn in this book;*Various Components of a computer (hardware and software)*Different Microsoft windows and how to install them*Understanding various Computer software's*Understanding different Computer hardware's*Troubleshooting different computer error messages and solutions*How to use Computer internet

*Emailing*Wi-Fi and internet troubleshooting*Backup and protection*Securing your computer*Various computer hardware problems and solutions*Various computer software problems and solutions and many more.This book will guide you on how to operate your computer. It will also show you many window shortcuts keys that you can utilize when operating your computer. With this book, you don't need a teacher to teach you how to operate your PC or laptop.Enjoy.

ICT Troubleshooting Skills For Home Office AMC College 2020-10-01 ICT Troubleshooting Skills For Home Office takes you step by step through the typical hardware and operating system problems encountered by technicians, teaching troubleshooting techniques to decipher any problem, and giving you the skills you need to solve them.

Communications in Employment and Unemployment Programs 1996

Troubleshooting Your PC For Dummies Dan Gookin 2008-03-04 Provides information on PC maintenance and repair, covering such topics as system restore, using tech support, startup noises, a slow PC, finding lost files, Internet connections, changes in Windows Vista, Windows event logs, and computer shutdown.

Computer Literacy BASICS Connie Morrison 2012-09-20 Bring your computer literacy course back to the BASICS. COMPUTER LITERACY BASICS: A COMPREHENSIVE GUIDE TO IC3 provides an introduction to computer concepts and skills, which maps to the newest Computing Core Certification (IC3) standards. Designed with new learners in mind, this text covers Computing Fundamentals, Key Applications, and Living Online everything your students need to be prepared to pass the IC3 exam, and finish the course as confident computer users. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Underground Guide to Troubleshooting PC Hardware Alfred E. Poor 1996 A guide to PC hardware offers tips on preventive maintenance, common problems, upgrades, and repairs *COMPUTER HARDWARE* K. L. JAMES 2013-06-03 Computer Hardware: Installation, Interfacing, Troubleshooting and Maintenance is a comprehensive and well-organised book that provides sufficient guidelines and proper directions for assembling and upgrading the computer systems, interfacing the computers with peripheral devices as well as for installing the new devices. Apart from this, the book also covers various preventive and corrective steps required for the regular maintenance of computer system as well as the steps that are to be followed for troubleshooting. The text highlights different specification parameters associated with the computer and its peripherals. Also, an understanding of the technical jargon is conveyed by this book. Special coverage of laptops, printers and scanners makes this book highly modernised. The book is designed with a practice-oriented approach supported with sufficient photographs and it covers even the minute aspects of the concepts. Following a simple and engaging style, this book is designed for the undergraduate students of Computer Science and Computer Maintenance. In addition to this, the book is also very useful for the students pursuing Diploma courses in Computer Engineering, Hardware and Troubleshooting as well as for the students of Postgraduate Diploma in Hardware Technology and Application. Key Features • Quick and easy approach to learn the theoretical concepts and practical skills related with the computer hardware. • Comprehensive with enough illustrations to facilitate an easy under-standing. • Detailed solutions provided by the experts for certain common problems to make better interaction with the learner. • An exclusive section Common Problems and Solutions to help in self resolving the general

hardware related issues.

Fix Your Own PC Corey Sandler 2007-06-12 Explains how to upgrade and repair processors, memory, connections, drives, multimedia cards, and peripherals.

A+ Guide to IT Technical Support (Hardware and Software) Jean Andrews 2015-11-02 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.

Computer Troubleshooting Kyle MacRae 2008 by Kyle MacRae, Gary Marshall Anyone who uses a computer knows how frustrating it is when things go wrong for no apparent reason or when an incomprehensible error message precedes a catastrophic crash. This new, fully updated

edition will show you how to troubleshoot methodically and resolve all manner of common problems with hardware devices, Windows (including XP and Vista), the internet and email. It will also tell you how to take preventative measures and recover from disaster.

Problems & Solutions in Scientific Computing W.-H. Steeb 2004 Scientific computing is a collection of tools, techniques and theories required to develop and solve mathematical models in science and engineering on a computer. This timely book provides the various skills and techniques needed in scientific computing. The topics range in difficulty from elementary to advanced, and all the latest fields in scientific computing are covered such as matrices, numerical analysis, neural networks, genetic algorithms, etc.Presented in the format of problems and detailed solutions, important concepts and techniques are introduced and developed. Many problems include software simulations. Algorithms have detailed implementations in C++ or Java. This book will prove to be invaluable not only to students and research workers in the fields of scientific computing, but also to teachers of this subject who will find this text useful as a supplement.The topics discussed in this book are part of the e-learning and distance learning courses conducted by the International School of Scientific Computing, South Africa.

Educational Technology in the Classroom Patricia Ann Brock 1994

A Simple Guide to Computer Maintenance and Troubleshooting Adane Nega Tarekegn 2015-07-10 Now a day's computer is a breath for everybody and people have laptop with every day motion. However, computers may fail now and then. So, basic computer maintenance and repair are required frequently. Some common problems are random error messages, computer being too slow, blue screen, virus attack, automatic rebooting and others. It's a common misconception that repairing such computer

problems requires a lot of expertise. In actuality, any common computer user can repair simple computer problems without calling an experienced technician. This book can help users to get step-by-step instructions for maintaining and repairing computer problems easily. The book covers an introduction of PC hardware and software, practical and quick guidelines for repairing a PC, most common PC problems and solutions, fixing windows problems, BIOS setup configuration and diagnostic tools, data backup and recovery strategies, protecting P C from virus and unauthorized access.

Mobile Authentication Markus Jakobsson 2012-08-21 Mobile Authentication: Problems and Solutions looks at human-to-machine authentication, with a keen focus on the mobile scenario. Human-to-machine authentication is a startlingly complex issue. In the old days of computer security-before 2000, the human component was all but disregarded. It was either assumed that people should and would be able to follow instructions, or that end users were hopeless and would always make mistakes. The truth, of course, is somewhere in between, which is exactly what makes this topic so enticing. We cannot make progress with human-to-machine authentication without understanding both humans and machines. Mobile security is not simply security ported to a handset. Handsets have different constraints than traditional computers, and are used in a different way. Text entry is more frustrating, and therefore, it is tempting to use shorter and less complex passwords. It is also harder to detect spoofing. We need to design with this in mind. We also need to determine how exactly to integrate biometric readers to reap the maximum benefits from them. This book addresses all of these issues, and more.

FCS Computer Hardware & Software L3 Adrian Cook, Vaughan Van Dyk, Angela Du Preez 2008 PCs For Dummies Dan Gookin 2013-02-05 The all-time bestselling PC reference, fully updated

for the newest technologies! Previous editions of this fun and friendly PC guide have sold more than three million copies, making it the bestselling PC reference in the world. Dan Gookin, the author whose straightforward and entertaining style is the foundation of the For Dummies series, gives you the same easy-to-follow guidance in this edition, fully updated for Windows 8, using the cloud, and all the newest PC bells and whistles. It's perfect for the absolute beginner as well as for anyone switching to the latest hardware and software. Updated with information on all the latest upgrades, this edition of a worldwide bestseller covers all the essentials of using a PC, and presents them in a fun, non-intimidating style Popular technology author Dan Gookin starts at the beginning with all the basics that other books assume everyone knows Covers setting up your PC, exploring the Windows 8 interface, using network hardware and software, getting online and browsing with the newest version of Internet Explorer, setting up an e-mail account, connecting to the cloud, and using cloud-based services Shows you how to install and upgrade programs and manage files and folders Explores working with digital photos, downloading music, watching movies, and participating in social media PCs For Dummies, 12th Edition is the jargon-free, easy-to-use guide to everything you need to know about your PC.

BeagleBone Cookbook Mark A. Yoder 2015-04-03 BeagleBone is an inexpensive web server, Linux desktop, and electronics hub that includes all the tools you need to create your own projects—whether it's robotics, gaming, drones, or software-defined radio. If you're new to BeagleBone Black, or want to explore more of its capabilities, this cookbook provides scores of recipes for connecting and talking to the physical world with this credit-card-sized computer. All you need is minimal familiarity with computer programming and electronics. Each recipe includes clear and simple wiring

diagrams and example code to get you started. If you don't know what BeagleBone Black is, you might decide to get one after scanning these recipes. Learn how to use BeagleBone to interact with the physical world Connect force, light, and distance sensors Spin servo motors, stepper motors, and DC motors Flash single LEDs, strings of LEDs, and matrices of LEDs Manage real-time input/output (I/O) Work at the Linux I/O level with shell commands, Python, and C Compile and install Linux kernels Work at a high level with JavaScript and the BoneScript library Expand BeagleBone's functionality by adding capes Explore the Internet of Things