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## **KEY=PREVENT - BOOKER CARTER**

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**Buffer Overflow Attacks Detect, Exploit, Prevent** *Elsevier* The SANS Institute maintains a list of the "Top 10 Software Vulnerabilities." At the current time, over half of these vulnerabilities are exploitable by Buffer Overflow attacks, making this class of attack one of the most common and most dangerous weapon used by malicious attackers. This is the first book specifically aimed at detecting, exploiting, and preventing the most common and dangerous attacks. Buffer overflows make up one of the largest collections of vulnerabilities in existence; And a large percentage of possible remote exploits are of the overflow variety. Almost all of the most devastating computer attacks to hit the Internet in recent years including SQL Slammer, Blaster, and I Love You attacks. If executed properly, an overflow vulnerability will allow an attacker to run arbitrary code on the victim's machine with the equivalent rights of whichever process was overflowed. This is often used to provide a remote shell onto the victim machine, which can be used for further exploitation. A buffer overflow is an unexpected behavior that exists in certain programming languages. This book provides specific, real code examples on exploiting buffer overflow attacks from a hacker's perspective and defending against these attacks for

the software developer. Over half of the "SANS TOP 10 Software Vulnerabilities" are related to buffer overflows. None of the current-best selling software security books focus exclusively on buffer overflows. This book provides specific, real code examples on exploiting buffer overflow attacks from a hacker's perspective and defending against these attacks for the software developer.

**Managing Risk in Information Systems** Jones & Bartlett Publishers PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Revised and updated with the latest data in the field, the Second Edition of *Managing Risk in Information Systems* provides a comprehensive overview of the SSCP(r) Risk, Response, and Recovery Domain in addition to providing a thorough overview of risk management and its implications on IT infrastructures and compliance. Written by industry experts, and using a wealth of examples and exercises, this book incorporates hands-on activities to walk the reader through the fundamentals of risk management, strategies and approaches for mitigating risk, and the anatomy of how to create a plan that reduces risk. Instructor's Material for *Managing Risk in Information Systems* include: PowerPoint Lecture Slides Instructor's Guide Course Syllabus Quiz & Exam Questions Case Scenarios/Handouts **MSDN Magazine Computerworld** For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. **Privilege Escalation Techniques Learn the art of exploiting Windows and Linux systems** Packt Publishing Ltd Enumerate and exploit Linux or Windows systems and escalate your privileges to the highest level Key Features Discover a range of techniques to escalate privileges on Windows and Linux systems Understand the key differences between Windows and Linux privilege escalation Explore unique exploitation challenges in each chapter provided in the form of pre-built VMs Book Description Privilege escalation is a crucial step in the exploitation life cycle of a penetration tester. It helps penetration testers to set up persistence and facilitates lateral movement. This book is one of a kind, covering a range of privilege escalation techniques and tools for both Windows and Linux systems. The book uses virtual environments that you can download to test and run tools and techniques. Each chapter will feature an exploitation challenge in the form of pre-built virtual machines (VMs). As you progress, you will learn how to enumerate and exploit a target Linux or Windows system. This privilege escalation book then demonstrates how you can escalate your privileges to the highest level. By the end of this book, you will have gained the skills you need to be able to perform local kernel exploits, escalate privileges through vulnerabilities in services, maintain persistence, and enumerate information from the target such as passwords and password hashes. What you will learn Understand the privilege escalation process and set up a pentesting lab Gain an initial foothold on the system Perform local enumeration on target systems Exploit kernel vulnerabilities on Windows and Linux systems Perform privilege escalation through password looting and finding stored credentials Get to grips with performing impersonation attacks Exploit Windows services such as the secondary logon handle service to escalate Windows privileges Escalate Linux privileges by exploiting scheduled tasks and SUID binaries Who this book is for This

Windows and Linux privilege escalation book is for intermediate-level cybersecurity students and pentesters who are interested in learning how to perform various privilege escalation techniques on Windows and Linux systems, which includes exploiting bugs, design flaws, and more. An intermediate-level understanding of Windows and Linux systems along with fundamental cybersecurity knowledge is expected. **Gray Hat C# Creating and Automating Security Tools** No Starch Press Learn to use C#'s powerful set of core libraries to automate tedious yet important tasks like performing vulnerability scans, malware analysis, and incident response. With some help from Mono, you can write your own practical security tools that will run on Mac, Linux, and even mobile devices. Following a crash course in C# and some of its advanced features, you'll learn how to: -Write fuzzers that use the HTTP and XML libraries to scan for SQL and XSS injection -Generate shellcode in Metasploit to create cross-platform and cross-architecture payloads - Automate Nessus, OpenVAS, and sqlmap to scan for vulnerabilities and exploit SQL injections -Write a .NET decompiler for Mac and Linux -Parse and read offline registry hives to dump system information -Automate the security tools Arachni and Metasploit using their MSGPACK RPCs Streamline and simplify your work day with Gray Hat C# and C#'s extensive repertoire of powerful tools and libraries. **Sockets, Shellcode, Porting, and Coding: Reverse Engineering Exploits and Tool Coding for Security Professionals** Elsevier The book is logically divided into 5 main categories with each category representing a major skill set required by most security professionals: 1. Coding - The ability to program and script is quickly becoming a mainstream requirement for just about everyone in the security industry. This section covers the basics in coding complemented with a slue of programming tips and tricks in C/C++, Java, Perl and NASL. 2. Sockets - The technology that allows programs and scripts to communicate over a network is sockets. Even though the theory remains the same - communication over TCP and UDP, sockets are implemented differently in nearly ever language. 3. Shellcode - Shellcode, commonly defined as bytecode converted from Assembly, is utilized to execute commands on remote systems via direct memory access. 4. Porting - Due to the differences between operating platforms and language implementations on those platforms, it is a common practice to modify an original body of code to work on a different platforms. This technique is known as porting and is incredible useful in the real world environments since it allows you to not "recreate the wheel. 5. Coding Tools - The culmination of the previous four sections, coding tools brings all of the techniques that you have learned to the forefront. With the background technologies and techniques you will now be able to code quick utilities that will not only make you more productive, they will arm you with an extremely valuable skill that will remain with you as long as you make the proper time and effort dedications. \*Contains never before seen chapters on writing and automating exploits on windows systems with all-new exploits. \*Perform zero-day exploit forensics by reverse engineering malicious code. \*Provides working code and scripts in all of the most common programming languages for readers to use TODAY to defend their networks. **Snort Intrusion Detection 2.0** Elsevier The incredible low maintenance costs of Snort combined with its powerful security features make it one of the fastest growing IDSs within corporate IT departments. Snort 2.0 Intrusion Detection is written by a member of Snort.org. The book provides a valuable insight to

the code base of Snort and in-depth tutorials of complex installation, configuration, and troubleshooting scenarios. The primary reader will be an individual who has a working knowledge of the TCP/IP protocol, expertise in some arena of IT infrastructure, and is inquisitive about what has been attacking their IT network perimeter every 15 seconds. The most up-to-date and comprehensive coverage for Snort 2.0! Expert Advice from the Development Team and Step-by-Step Instructions for Installing, Configuring, and Troubleshooting the Snort 2.0 Intrusion Detection System. **Configuring ISA Server 2000 Building Firewalls for Windows 2000** Elsevier Microsoft's flagship ISA Server delivers the Internet to your customers! As the demand for Internet connectivity reaches a fever pitch, system administrators are being challenged to connect more and more systems to the Internet without compromising security or network performance. ISA Server 2000 provides system administrators with a revolutionary management infrastructure that addresses the two greatest needs of Enterprise-wide Internet connectivity: Security and speed. Written by best-selling author of several MCSE 2000 study guides, this book will provide the system administrators with an in depth understanding of all the critical features of Microsoft's flag ship Internet Server. Configuring ISA Server 2000 shows network administrators how to connect a network to the Internet, maintain the connection, and troubleshoot remote users' hardware and software configuration problems. Up-to-date coverage of new products specific to Windows 2000 Shows network administrators how to supply e-mail whilst maintaining network security Focuses on providing secure remote access to a network **Ethereal Packet Sniffing** Elsevier This book provides system administrators with all of the information as well as software they need to run Ethereal Protocol Analyzer on their networks. There are currently no other books published on Ethereal, so this book will begin with chapters covering the installation and configuration of Ethereal. From there the book quickly moves into more advanced topics such as optimizing Ethereal's performance and analyzing data output by Ethereal. Ethereal is an extremely powerful and complex product, capable of analyzing over 350 different network protocols. As such, this book also provides readers with an overview of the most common network protocols used, as well as analysis of Ethereal reports on the various protocols. The last part of the book provides readers with advanced information on using reports generated by Ethereal to both fix security holes and optimize network performance. Provides insider information on how to optimize performance of Ethereal on enterprise networks. Book comes with a CD containing Ethereal, Tethereal, Nessus, Snort, ACID, Barnyard, and more! Includes coverage of popular command-line version, Tethereal. **Hacking the Code Auditor's Guide to Writing Secure Code for the Web** Elsevier Hacking the Code has over 400 pages of dedicated exploit, vulnerability, and tool code with corresponding instruction. Unlike other security and programming books that dedicate hundreds of pages to architecture and theory based flaws and exploits, Hacking the Code dives right into deep code analysis. Previously undisclosed security research in combination with superior programming techniques from Foundstone and other respected organizations is included in both the Local and Remote Code sections of the book. The book is accompanied with a FREE COMPANION CD containing both commented and uncommented versions of the source code examples presented throughout the book. In addition to the book source code, the CD also contains a copy of the author-

developed Hacker Code Library v1.0. The Hacker Code Library includes multiple attack classes and functions that can be utilized to quickly create security programs and scripts. These classes and functions simplify exploit and vulnerability tool development to an extent never before possible with publicly available software. Learn to quickly create security tools that ease the burden of software testing and network administration Find out about key security issues regarding vulnerabilities, exploits, programming flaws, and secure code development Discover the differences in numerous types of web-based attacks so that developers can create proper quality assurance testing procedures and tools Learn to automate quality assurance, management, and development tasks and procedures for testing systems and applications Learn to write complex Snort rules based solely upon traffic generated by network tools and exploits

**Snort 2.1 Intrusion Detection, Second Edition** Elsevier Called "the leader in the Snort IDS book arms race" by Richard Bejtlich, top Amazon reviewer, this brand-new edition of the best-selling Snort book covers all the latest features of a major upgrade to the product and includes a bonus DVD with Snort 2.1 and other utilities. Written by the same lead engineers of the Snort Development team, this will be the first book available on the major upgrade from Snort 2 to Snort 2.1 (in this community, major upgrades are noted by .x and not by full number upgrades as in 2.0 to 3.0). Readers will be given invaluable insight into the code base of Snort, and in depth tutorials of complex installation, configuration, and troubleshooting scenarios. Snort has three primary uses: as a straight packet sniffer, a packet logger, or as a full-blown network intrusion detection system. It can perform protocol analysis, content searching/matching and can be used to detect a variety of attacks and probes. Snort uses a flexible rules language to describe traffic that it should collect or pass, a detection engine that utilizes a modular plug-in architecture, and a real-time alerting capability. A CD containing the latest version of Snort as well as other up-to-date Open Source security utilities will accompany the book. Snort is a powerful Network Intrusion Detection System that can provide enterprise wide sensors to protect your computer assets from both internal and external attack. \* Completely updated and comprehensive coverage of snort 2.1 \* Includes free CD with all the latest popular plug-ins \* Provides step-by-step instruction for installing, configuring and troubleshooting

**3D Fibre Reinforced Polymer Composites** Elsevier Fibre reinforced polymer (FRP) composites are used in almost every type of advanced engineering structure, with their usage ranging from aircraft, helicopters and spacecraft through to boats, ships and offshore platforms and to automobiles, sports goods, chemical processing equipment and civil infrastructure such as bridges and buildings. The usage of FRP composites continues to grow at an impressive rate as these materials are used more in their existing markets and become established in relatively new markets such as biomedical devices and civil structures. A key factor driving the increased applications of composites over the recent years is the development of new advanced forms of FRP materials. This includes developments in high performance resin systems and new styles of reinforcement, such as carbon nanotubes and nanoparticles. This book provides an up-to-date account of the fabrication, mechanical properties, delamination resistance, impact tolerance and applications of 3D FRP composites. The book focuses on 3D composites made using the textile technologies of weaving, braiding, knitting and stitching as

well as by z-pinning. **Hacking Multifactor Authentication** *John Wiley & Sons* Protect your organization from scandalously easy-to-hack MFA security “solutions” Multi-Factor Authentication (MFA) is spreading like wildfire across digital environments. However, hundreds of millions of dollars have been stolen from MFA-protected online accounts. How? Most people who use multifactor authentication (MFA) have been told that it is far less hackable than other types of authentication, or even that it is unhackable. You might be shocked to learn that all MFA solutions are actually easy to hack. That’s right: there is no perfectly safe MFA solution. In fact, most can be hacked at least five different ways. Hacking Multifactor Authentication will show you how MFA works behind the scenes and how poorly linked multi-step authentication steps allows MFA to be hacked and compromised. This book covers over two dozen ways that various MFA solutions can be hacked, including the methods (and defenses) common to all MFA solutions. You’ll learn about the various types of MFA solutions, their strengths and weaknesses, and how to pick the best, most defensible MFA solution for your (or your customers’) needs. Finally, this book reveals a simple method for quickly evaluating your existing MFA solutions. If using or developing a secure MFA solution is important to you, you need this book. Learn how different types of multifactor authentication work behind the scenes See how easy it is to hack MFA security solutions—no matter how secure they seem Identify the strengths and weaknesses in your (or your customers’) existing MFA security and how to mitigate Author Roger Grimes is an internationally known security expert whose work on hacking MFA has generated significant buzz in the security world. Read this book to learn what decisions and preparations your organization needs to take to prevent losses from MFA hacking. **The Mac Hacker's Handbook** *John Wiley & Sons* As more and more vulnerabilities are found in the Mac OS X (Leopard) operating system, security researchers are realizing the importance of developing proof-of-concept exploits for those vulnerabilities. This unique tome is the first book to uncover the flaws in the Mac OS X operating system—and how to deal with them. Written by two white hat hackers, this book is aimed at making vital information known so that you can find ways to secure your Mac OS X systems, and examines the sorts of attacks that are prevented by Leopard’s security defenses, what attacks aren’t, and how to best handle those weaknesses. **Hack Proofing Your Web Applications The Only Way to Stop a Hacker Is to Think Like One** *Elsevier* From the authors of the bestselling Hack Proofing Your Network! OPEC, Amazon, Yahoo! and E-bay: If these large, well-established and security-conscious web sites have problems, how can anyone be safe? How can any programmer expect to develop web applications that are secure? Hack Proofing Your Web Applications is the only book specifically written for application developers and webmasters who write programs that are used on web sites. It covers Java applications, XML, ColdFusion, and other database applications. Most hacking books focus on catching the hackers once they've entered the site; this one shows programmers how to design tight code that will deter hackers from the word go. Comes with up-to-the-minute web based support and a CD-ROM containing source codes and sample testing programs Unique approach: Unlike most hacking books this one is written for the application developer to help them build less vulnerable programs **Phishing and Countermeasures Understanding the Increasing Problem of Electronic Identity Theft** *John Wiley & Sons*

Phishing and Counter-Measures discusses how and why phishing is a threat, and presents effective countermeasures. Showing you how phishing attacks have been mounting over the years, how to detect and prevent current as well as future attacks, this text focuses on corporations who supply the resources used by attackers. The authors subsequently deliberate on what action the government can take to respond to this situation and compare adequate versus inadequate countermeasures. **Special Ops: Host and Network Security for Microsoft Unix and Oracle** Elsevier Special Ops: Internal Network Security Guide is the solution for the impossible 24-hour IT work day. By now, most companies have hardened their perimeters and locked out the "bad guys," but what has been done on the inside? This book attacks the problem of the soft, chewy center in internal networks. We use a two-pronged approach-Tactical and Strategic-to give readers a complete guide to internal penetration testing. Content includes the newest vulnerabilities and exploits, assessment methodologies, host review guides, secure baselines and case studies to bring it all together. We have scoured the Internet and assembled some of the best to function as Technical Specialists and Strategic Specialists. This creates a diversified project removing restrictive corporate boundaries. The unique style of this book will allow it to cover an incredibly broad range of topics in unparalleled detail. Chapters within the book will be written using the same concepts behind software development. Chapters will be treated like functions within programming code, allowing the authors to call on each other's data. These functions will supplement the methodology when specific technologies are examined thus reducing the common redundancies found in other security books. This book is designed to be the "one-stop shop" for security engineers who want all their information in one place. The technical nature of this may be too much for middle management; however technical managers can use the book to help them understand the challenges faced by the engineers who support their businesses. Ø Unprecedented Team of Security Luminaries. Led by Foundstone Principal Consultant, Erik Pace Birkholz, each of the contributing authors on this book is a recognized superstar in their respective fields. All are highly visible speakers and consultants and their frequent presentations at major industry events such as the Black Hat Briefings and the 29th Annual Computer Security Institute Show in November, 2002 will provide this book with a high-profile launch. Ø The only all-encompassing book on internal network security. Windows 2000, Windows XP, Solaris, Linux and Cisco IOS and their applications are usually running simultaneously in some form on most enterprise networks. Other books deal with these components individually, but no other book provides a comprehensive solution like Special Ops. This book's unique style will give the reader the value of 10 books in 1. **The Art of Software Security Assessment Identifying and Preventing Software Vulnerabilities** Pearson Education The Definitive Insider's Guide to Auditing Software Security This is one of the most detailed, sophisticated, and useful guides to software security auditing ever written. The authors are leading security consultants and researchers who have personally uncovered vulnerabilities in applications ranging from sendmail to Microsoft Exchange, Check Point VPN to Internet Explorer. Drawing on their extraordinary experience, they introduce a start-to-finish methodology for "ripping apart" applications to reveal even the most subtle and well-hidden security flaws. The Art of Software Security Assessment covers the full

spectrum of software vulnerabilities in both UNIX/Linux and Windows environments. It demonstrates how to audit security in applications of all sizes and functions, including network and Web software. Moreover, it teaches using extensive examples of real code drawn from past flaws in many of the industry's highest-profile applications. Coverage includes • Code auditing: theory, practice, proven methodologies, and secrets of the trade • Bridging the gap between secure software design and post-implementation review • Performing architectural assessment: design review, threat modeling, and operational review • Identifying vulnerabilities related to memory management, data types, and malformed data • UNIX/Linux assessment: privileges, files, and processes • Windows-specific issues, including objects and the filesystem • Auditing interprocess communication, synchronization, and state • Evaluating network software: IP stacks, firewalls, and common application protocols • Auditing Web applications and technologies

**Programmer's Ultimate Security DeskRef Your Programming Security Encyclopedia** Elsevier The Programmer's Ultimate Security DeskRef is the only complete desk reference covering multiple languages and their inherent security issues. It will serve as the programming encyclopedia for almost every major language in use. While there are many books starting to address the broad subject of security best practices within the software development lifecycle, none has yet to address the overarching technical problems of incorrect function usage. Most books fail to draw the line from covering best practices security principles to actual code implementation. This book bridges that gap and covers the most popular programming languages such as Java, Perl, C++, C#, and Visual Basic. \* Defines the programming flaws within the top 15 programming languages. \* Comprehensive approach means you only need this book to ensure an application's overall security. \* One book geared toward many languages.

**Operating System Security** Springer Nature Operating systems provide the fundamental mechanisms for securing computer processing. Since the 1960s, operating systems designers have explored how to build "secure" operating systems - operating systems whose mechanisms protect the system against a motivated adversary. Recently, the importance of ensuring such security has become a mainstream issue for all operating systems. In this book, we examine past research that outlines the requirements for a secure operating system and research that implements example systems that aim for such requirements. For system designs that aimed to satisfy these requirements, we see that the complexity of software systems often results in implementation challenges that we are still exploring to this day. However, if a system design does not aim for achieving the secure operating system requirements, then its security features fail to protect the system in a myriad of ways. We also study systems that have been retrofit with secure operating system features after an initial deployment. In all cases, the conflict between function on one hand and security on the other leads to difficult choices and the potential for unwise compromises. From this book, we hope that systems designers and implementors will learn the requirements for operating systems that effectively enforce security and will better understand how to manage the balance between function and security.

Table of Contents: Introduction / Access Control Fundamentals / Multics / Security in Ordinary Operating Systems / Verifiable Security Goals / Security Kernels / Securing Commercial Operating Systems / Case Study: Solaris Trusted Extensions / Case Study: Building a Secure

Operating System for Linux / Secure Capability Systems / Secure Virtual Machine Systems / System Assurance **Effective Help Desk Specialist Skills** *Pearson IT Certification* All of today's help desk support skills, in one easy-to-understand book The perfect beginner's guide: No help desk or support experience necessary Covers both "soft" personal skills and "hard" technical skills Explains the changing role of help desk professionals in the modern support center Today, everyone depends on technology—and practically everyone needs help to use it well. Organizations deliver that assistance through help desks. This guide brings together all the knowledge you need to succeed in any help desk or technical support role, prepare for promotion, and succeed with the support-related parts of other IT jobs. Leading technology instructor Darril Gibson tours the modern help desk, explains what modern support professionals really do, and fully covers both of the skill sets you'll need: technical and personal. In clear and simple language, he discusses everything from troubleshooting specific problems to working with difficult users. You'll even learn how to manage a help desk, so it works better and delivers more value. Coverage includes: • How the modern help desk has evolved • Understanding your users' needs, goals, and attitudes • Walking through the typical help desk call • Communicating well: listening actively and asking better questions • Improving interactions and handling difficult situations • Developing positive attitudes, and "owning" the problem • Managing your time and stress • Supporting computers, networks, smartphones, and tablets • Finding the technical product knowledge you need • Protecting the security of your users, information, and devices • Defining, diagnosing, and solving problems, step by step • Writing it up: from incident reports to documentation • Working in teams to meet the goals of the business • Using ITIL to improve the services you provide • Calculating help desk costs, benefits, value, and performance • Taking control of your support career Powerful features make it easier to learn about help desk careers! • Clear introductions describe the big ideas and show how they fit with what you've already learned • Specific chapter objectives tell you exactly what you need to learn • Key Terms lists help you identify important terms and a complete Glossary helps you understand them • Author's Notes and On The Side features help you go deeper into the topic if you want to • Chapter Review tools and activities help you make sure you've learned the material Exclusive Mind Mapping activities! • Organize important ideas visually—in your mind, in your words • Learn more, remember more • Understand how different ideas fit together **Asian Blepharoplasty and the Eyelid Crease** *Elsevier Health Sciences* Ideal for plastic surgeons, ophthalmologists (oculoplastic), facial plastic and cosmetic dermatologic surgeons, Dr. Chen's Asian Blepharoplasty and the Eyelid Crease was designed to help you master the latest techniques used in this highly popular surgery. Comprehensively updated, this multimedia resource features the addition of eight new chapters covering today's most advanced concepts; 30 video cases with author narration; and enhanced full-color artworks. You'll have access to all the core knowledge necessary in offering spectacular results for those patients undergoing this complex and intricate procedure. Offers comprehensive coverage of anatomy, surgical approaches, and revision surgery from complications. Over 450 illustrations deliver step-by-step visual guidance. Extensive collection of case studies with before and after patient photos. Appendix tables and comprehensive references provide quick access to key

information. Pearls and pitfalls throughout highlight the most important aspects of each chapter. New chapters provide coverage of lid-crease function and dynamics; the merits and pitfalls of epicanthoplasty and the use of permanent buried sutures; the most optimal techniques used in performing Asian eyelid surgery; and newer partial-incision techniques. Full-color artwork shows three-dimensional representations of key anatomy and procedural steps. Focused update highlights the complications related to lid crease placement, skin removal, and epicanthoplasty. A total of 30 comprehensive videos cover primary surgery through to revisional procedures and can be viewed step-by-step or as an entire sequence. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, videos, images, and references from the book on a variety of devices.

**Physiotherapy Practice in Residential Aged Care** *Butterworth-Heinemann* With the numbers of entrants to residential aged care facilities steadily growing, there is a need for a clearly written, portable guide to the wide range of knowledge and treatment skills unique to the physical therapist in this challenging setting. This new resource looks at the physiological changes accompanying the aging process as well as the physical therapist's role in assessment, preventing residents' injuries, and promoting quality of life. Major presenting problems relating to being immobile, barely mobile, or ambulatory are examined. Information and strategies to assist with residents suffering from pain, osteoporosis, incontinence, or disorders requiring palliation are also covered. In addition, there is a special chapter on aquatic physical therapy in response to the increasing use of pools in aged care facilities. This new book is an outstanding reference for practicing physical therapists, students, and those who care for older adults in their own homes. Focus on physical therapy in residential aged care, with coverage of all relevant topics Clearly organized, up to date, and easy to read Boxed key points, summaries, artwork, photos, and drawings throughout

**Animal Cognition in Nature The Convergence of Psychology and Biology in Laboratory and Field** *Academic Press* In this book, the editors bring together results from studies on all kinds of animals to show how thinking on many behaviors as truly cognitive processes can help us to understand the biology involved. Taking ideas and observations from the whole range of research into animal behavior leads to unexpected and stimulating ideas. A space is created where the work of field ecologists, evolutionary ecologists and experimental psychologists can interact and contribute to a greater understanding of complex animal behavior, and to the development of a new and coherent field of study. **J2EE**

**AntiPatterns** *John Wiley & Sons* "The flip-side of Patterns, AntiPatterns provide developers with formal descriptions of common development gaffes that can derail a project along with practical guidelines on how to avoid them. In this book, the authors present dozens of Java AntiPatterns that tackle many of Java's biggest trouble spots for programming with EJB, JSP, Servlets, and more. Each AntiPattern is documented with real-world examples, code, and refactored (or escape-route) solutions, and the book uses UML (where appropriate) to diagram improved solutions. All code examples from the book are available to the reader on the book's companion Web site."

**Rules of Thumb for Chemical Engineers A Manual of Quick, Accurate Solutions to Everyday Process Engineering Problems** *Gulf Professional Publishing* The most complete guide of its kind, this is the standard handbook for chemical

and process engineers. All new material on fluid flow, long pipe, fractionators, separators and accumulators, cooling towers, gas treating, blending, troubleshooting field cases, gas solubility, and density of irregular solids. This substantial addition of material will also include conversion tables and a new appendix, "Shortcut Equipment Design Methods." This convenient volume helps solve field engineering problems with its hundreds of common sense techniques, shortcuts, and calculations. Here, in a compact, easy-to-use format, are practical tips, handy formulas, correlations, curves, charts, tables, and shortcut methods that will save engineers valuable time and effort. Hundreds of common sense techniques and calculations help users quickly and accurately solve day-to-day design, operations, and equipment problems. **Communication Systems Analysis and Design** Prentice Hall The included CD-ROM contains PowerPoint based animated presentations designed to reinforce certain examples within the book ... [it] also contains pdf files with full color versions of selected figures from the book. **Battery Reference Book** Elsevier Crompton's Battery Reference Book has become the standard reference source for a wide range of professionals and students involved in designing, manufacturing, and specifying products and systems that use batteries. This book is unique in providing extensive data on specific battery types, manufacturers and suppliers, as well as covering the theory - an aspect of the book which makes an updated edition important for every professional's library. The coverage of different types of battery is fully comprehensive, ranging from minute button cells to large installations weighing several hundred tonnes. Must-have information and data on all classes of battery in an accessible form Essential reference for design engineers in automotive and aerospace applications, telecommunications equipment, household appliances, etc. Informs you of developments over the past five years **Snort IDS and IPS Toolkit** Syngress Press This fully integrated book, CD, and Web toolkit covers everything from packet inspection to optimizing Snort for speed to using its most advanced features to defend even the largest and most congested enterprise networks. **Anesthesia and Uncommon Diseases E-Book** Elsevier Health Sciences Your awareness of uncommon diseases and possible complications is vital to successful anesthetic patient management. Anesthesia and Uncommon Diseases, 6th Edition, brings you up to date with new information on less commonly seen diseases and conditions, including the latest evidence and management guidelines. This unique medical reference book is essential for a complete understanding of today's best options and potential difficulties in anesthesia. Improve your ability to successfully manage every patient, including those with rare diseases or conditions. Avoid complications with unique coverage of an important aspect of anesthetic management. Stay current with all-new chapters on adult congenital heart disease, rheumatic diseases, and the cancer patient, plus many more revisions throughout. Get outstanding visual guidance with hundreds of illustrations, now in full color. **Biology and Culture of Channel Catfish** Elsevier The history of channel catfish farming in the United States serves as a model for the development of pond-based aquaculture industries worldwide. Channel catfish farming is the largest and economically most important aquaculture industry in the United States. In 2003, over 300,000 metric tons (662 million pounds) of channel catfish were processed, representing about half the total United States aquaculture production. Demand for farm-raised catfish is strong, with

record processing years in 2002 and 2003. In 22 chapters written by active scientists in the field, *Biology and Culture of Channel Catfish* comprehensively synthesizes over 30 years of research on this American icon. Throughout the book, fundamental biological aspects of channel catfish are linked to practical culture techniques. Topics include: • Latest information on reproductive physiology, genetics, and breeding • Comprehensive treatment of catfish nutrition, feeds, and feeding practices • Water quality management and pond dynamics • In-depth review of immunology in channel catfish • Practical information on diseases and health management • Techniques for commercial culture, including innovative techniques such as raceways, recirculating systems, and partitioned aquaculture systems • Catfish economics and marketing • Exploration of environmental concerns, including recommended Best Management Practices

**2004 Survey of Energy Resources** Elsevier \* Clear and concise, information is analysed and presented in both a resource-by-resource and country-by-country approach \* Comprehensive, the outlook for seventeen energy resources including all major fossil and renewable resources is evaluated \* Free CD-Rom will help electronic navigation of this comprehensive resource

The Survey of Energy Resources (SER) is a unique and authoritative publication produced by the World Energy Council every three years, since 1934. SER presents a comprehensive global picture of resource availability, production and consumption levels, technological developments and outlook for seventeen energy resources, including all major fossil and renewable resources. Each resource is covered in a separate chapter which comprises a commentary by a leading expert in the field, data tables and country notes. The information contained is the best available from a wide variety of sources. The SER is published every three years in line with WEC's work cycle, culminating in publication at the World Energy Congress. The 20th edition of SER will be published at the time of the 19th World Energy Congress (Sydney, September 2004). \* Provides global and country specific comprehensive information and data \* Provides authoritative information in a compact and user-friendly format \* Best available data from a wide variety of sources

**Breastfeeding A Guide for the Medical Profession** Elsevier Health Sciences The most authoritative, trusted guide to breastfeeding for the medical profession Stay informed on every aspect of breastfeeding, from basic data on the anatomical, physiological, biochemical, nutritional, immunological, and psychological aspects of human lactation, to the problems of clinical management of breastfeeding. Learn from the award-winning author and co-founder of the Academy of Breastfeeding Medicine, Dr. Ruth Lawrence, and her son, Dr. Rob Lawrence. Make appropriate drug recommendations, including approved medications, over-the-counter medications, and herbal remedies. Provide thoughtful guidance to the breastfeeding mother according to her circumstances, problems, and lifestyle from integrated coverage of evidence-based data and practical experience. Find what you need quickly with a new, streamlined approach that moves large tables and key references online. Treat conditions associated with breastfeeding and effectively manage the use of medications during lactation thanks to extensive, up-to-date, evidence-based information.

**Ankylosing Spondylitis and the Spondyloarthropathies** Mosby Developed as a companion text to the 3rd Edition of Rheumatology, by Hochberg et al., this reference presents today's understanding of the spondylarthropathies. Thoroughly examines the innovative, new

treatments that challenge older concepts of treatment and management of the disease. Noted experts in the field also present the latest concepts in early diagnosis using advanced imaging techniques. **Bove and Davis' Diving Medicine** *Saunders* Covers basic diving physiology; the pathophysiology of decompression sickness; maritime toxicology; assessment of fitness for diving; special considerations for female, elderly, and pediatric divers; diving-related problems in people with pre-existing medical conditions such as pulmonary, cardiac, and neurologic disease, and much more, with new chapters on the kinetics of inert gas, marine poisoning and intoxication, and diabetes and diving. **Atlas of Aesthetic Eyelid & Periocular Surgery** *Saunders* This new, full-color atlas features practical guidance on the management of a full range of aesthetic eyelid disorders. Examining both functional and cosmetic issues, it helps readers select the most appropriate management strategies and to offer their patients the best possible outcomes. Over 250 color images, including 100 exquisite original illustrations, show readers precisely how to perform the techniques described. Uses over 250 rich, full color illustrations and photographs that show readers how to perform the procedures. Clearly explains anatomy, physiology and pathophysiology, which are essential to the performance of any surgical procedure. Emphasizes identification of the pathophysiology and the selection of the appropriate management strategy, as an aid to achieving the best possible outcome every time. Contains summaries of patient evaluation and management in each chapter, making information easy to find. **Stroke Pathophysiology, Diagnosis, and Management** *Elsevier Health Sciences* Offered in print, online, and downloadable formats, this updated edition of *Stroke: Pathophysiology, Diagnosis, and Management* delivers convenient access to the latest research findings and management approaches for cerebrovascular disease. Picking up from where J. P. Mohr and colleagues left off, a new team of editors - Drs. Grotta, Albers, Broderick, Kasner, Lo, Mendelow, Sacco, and Wong - head the sixth edition of this classic text, which is authored by the world's foremost stroke experts. Comprehensive, expert clinical guidance enables you to recognize the clinical manifestations of stroke, use the latest laboratory and imaging studies to arrive at a diagnosis, and generate an effective medical and surgical treatment plan. Abundant full-color CT images and pathology slides help you make efficient and accurate diagnoses. Data from late-breaking endovascular trials equips you with recent findings. Includes comprehensive coverage of advances in molecular biology of cell death; risk factors and prevention; advances in diagnostics and stroke imaging; and therapeutic options, including a thorough review of thrombolytic agents and emerging data for endovascular therapy. Features brand-new chapters on Intracellular Signaling: Mediators and Protective Responses; The Neurovascular Unit and Responses to Ischemia; Mechanisms of Cerebral Hemorrhage; Stroke Related to Surgery and Other Procedures; Cryptogenic Stroke; and Interventions to Improve Recovery after Stroke. Highlights new information on genetic risk factors; primary prevention of stroke; infectious diseases and stroke; recovery interventions such as robotics, brain stimulation, and telerehabilitation; and trial design. Details advances in diagnostic tests, such as ultrasound, computed tomography (including CT angiography and CT perfusion), MRI (including MR perfusion techniques), and angiography. Includes extracted and highlighted evidence levels. Expert Consult eBook version included with print purchase. This

enhanced eBook experience allows you to search all of the text, figures, and references on a variety of devices. The content can also be downloaded to tablets and smart phones for offline use. Combat stroke with the most comprehensive and updated multimedia resource on the pathophysiology, diagnosis, and management of stroke from leaders in the field **Atlas of Sleep Medicine** *Butterworth-Heinemann* This comprehensive atlas of tracings of polysomnographic studies covers the technical aspects of conducting studies, and includes the features of the various adult and pediatric sleep disorders. Comprehensive and contemporary atlas Discusses the significance of findings and their correlation with the clinical presentation of the patient Authoritative and well-organized With 61 contributors **Aquatic Ecosystems Interactivity of Dissolved Organic Matter** *Academic Press* *Aquatic Ecosystems* explains the interplay between various movements of matter and energy through ecosystems mediated by Dissolved Organic Matter. This book provides information on how much DOM there is in a particular aquatic ecosystem and where it originates. It explains whether the DOM composition varies from time to time and place to place. It also details how DOM becomes incorporated into microbial food webs, and gives a better, clarifying, understanding to its significance of DOM. Dissolved Organic Matter (called DOM) is incredibly important in all aquatic ecosystems. Although it might seem that logs and leaves are more important, in fact the DOM is more crucial because the DOM is in a form that is available for use by all the organisms living in the the water. Furthermore, DOM influences complex food webs by mediating the availability of aquatic nutrients, metals, salts and minerals. DOM also affects water clarity, which of course has alters the way animals and plants live and feed in the water. There are many ways to study DOM and this book focuses on several central questions. How much DOM is there in a particular aquatic ecosystem? Where does it come from? Does the composition of the DOM vary from time to time and place to palce? How does DOM become incorporated into microbial food webs, which are the basis of plant, invertebrate and vertebrate food webs? How can the answers to these and other questions about DOM be considered together so that a better understanding of the significance of DOM can emerge?