Features Warning Liftmaster

The recent digital and mobile revolutions are a minor blip compared to the next wave of technological change, as everything from robot swarms to skin-top embeddable computers and bio printable organs start appearing in coming years. In this collection of inspiring essays, designers, engineers, and researchers discuss their approaches to experience design for groundbreaking technologies. Design not only provides the framework for how technology works and how it’s used, but also places it in a broader context that includes the total ecosystem with which it interacts and the possibility of unintended consequences. If you’re a UX designer or engineer open to complexity and dissonant ideas, this book is a revelation. Contributors include: Stephen Anderson, PoetPainter, LLC Lisa Caldwell, Brazen UX Martin Charlier, Independent Design Consultant Jeff Faneuff, Carbonite Andy Goodman, Fjord US Camille Goudeseune, Beckman Institute, University of Illinois at Urbana-Champaign Bill Hartman, Essential Design Steven Keating, MIT Media Lab, Mediated Matter Group Brook Kennedy, Virginia Tech Dirk Knemeyer, Involution Studios Barry Kudrowitz, University of Minnesota Gershom Kutliroff, Omek Studio at Intel Michal Levin, Google Matt Nish-Lapidus, Normative Erin Rae Hoffer, Autodesk Marco Righetto, SumAll Juhan Sonin, Involution Studios Scott Stropkay, Essential Design Scott Sullivan, Adaptive Path Hunter Whitney, Hunter Whitney and Associates, Inc. Yaron Yanai, Omek Studio at Intel

This first book of a 3-volume set on Fracture Mechanics is mainly centered on the vast range of the laws of statistical distributions encountered in various scientific and technical fields. These laws are indispensable in understanding the probability behavior of components and mechanical structures that are exploited in the other volumes of this series, which are dedicated to reliability and quality control. The author presents not only the laws of distribution of various models but also the tests of adequacy suited to confirm or counter the hypothesis of the law in question, namely the Pearson (x2) test, the Kolmogorov-Smirnov (KS) test, along with many other relevant tests. This book distinguishes itself from other works in the field through its originality in presenting an educational approach which aims at helping practitioners both in academia and industry. It is intended for technicians, engineers, designers, students, and teachers working in the fields of engineering and vocational education. The main objective of the author is to provide an assessment of indicators of quality and reliability to aid in decision-making. To this end, an intuitive and practical approach, based on mathematical rigor, is recommended.

TEACHING STRATEGIES: A GUIDE TO EFFECTIVE INSTRUCTION, now in its tenth edition, is known for its practical, applied help with commonly used classroom teaching strategies and tactics. Ideal for anyone studying education or involved in a site-based teacher education program, the book focuses on topics such as lesson planning, questioning, and small-group and cooperative-learning strategies. The new edition maintains the book's solid coverage, while incorporating new and expanded material on InTASC standards, a new chapter on teaching in the inclusive classroom, and an up-to-date discussion of assessment as it relates to inclusion. The text continues to be supported by a rich media package anchored by TeachSource Video Cases, which bring text content to life in actual classroom situations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Shawn Phillips is an internationally respected strength and fitness expert who has helped athletes, celebrities, and tens of thousands of others over the past twenty years. Now he’s sharing his fresh approach to fitness with everyone. Strength for Life is an easy-to-implement program to help you get in fantastic shape, enjoy abundant energy, and maintain a lean, strong physique–not just for 12 weeks but for the rest of your life. Let’s face it, with the demands of family, work, and life, many of us simply don’t have the time to stick to a rigorous workout schedule. Through his own life experience, Shawn Phillips has recognized this challenge and risen to it, literally reinventing fitness with a results-oriented program that you can embrace even with your hectic schedule and do either at home or at the gym. Homing in on the idea of building mental and physical strength rather than just sculpting your body, Shawn has pioneered a technique called Focus Intensity Training ™ (FIT), which uses the mind-body connection to yield incredible results. The program features • a workout plan that can take as little as 35 minutes a day, 3 times a week • illustrated exercises with clear step-by-step instructions • 3 workout phases–a 12-day Base Camp pre-training period, a 12-week Transformation Camp, and a year-round continuation plan geared to keep you going strong and vibrant for the rest of your life • a simple eating plan to fuel your body for optimum energy and performance–one that will free you from dieting forever • goal-setting exercises to help you achieve lasting motivation and reach your loftiest visions It’s never too late to get in shape. If you’re in your twenties or thirties, Strength for Life will show you how to achieve peak levels of fitness year after year. For those forty and beyond, you can look forward to recapturing the energy and vitality you thought you had lost. By following Strength for Life, you will make yourself stronger, leaner, sharper, and more confident. As Shawn writes: “Strength is about being more, doing more, giving more. It’s not just surviving; it’s thriving. And most important, strength is about having a reserve, a deeper, fuller capacity of body, mind, heart, and soul.”

The Technician's Radio Receiver Handbook is an invaluable tool for anyone involved in the technologies of wireless, cellular telephone, telecommunications, avionics, and other forms of electronic communication using radio waves. The market demand for and use of wireless and telecommunication technology has increased dramatically over the past decade, leaving many technicians and other communications professionals with the need for accurate information on how the newest equipment works and how to fix any problems that arise. Joe Carr, a notable author in the amateur radio and communications markets, explains both the new and old technologies, the science behind the scenes, as well as troubleshooting techniques not found in any other book. The book will also have a companion website including helpful calculation software, customizable spreadsheets, and much more. Written for technicians and hands-on practitioners in clear, easy-to-read text with many detailed illustrations Contains information on cutting-edge receiver equipment as well as the most popular types used today in a variety of markets

Destined to be a constant reference and superb training guide for anyone interested in communications technology

Make the most of your wireless network…without becoming a technical expert! This book is the fastest way to connect all your wireless devices, get great performance with everything from streaming media to printing, stay safe and secure, and do more with Wi-Fi than you ever thought possible! Even if you've never set up or run a network before, this book will show you how to do what you want, one incredibly clear and easy step at a time. Wireless networking has never, ever been this simple! Who knew how simple wireless networking could be? This is today's best beginner's guide to creating, using, troubleshooting, and doing more with your wireless network…simple, practical instructions for doing everything you really want to do, at home or in your business! Here's a small sample of what you'll learn: • Buy the right equipment without overspending • Reliably connect Windows PCs, Macs, iPads, Android tablets, game consoles, Blu-ray players, smartphones, and more • Get great performance from all your networked devices • Smoothly stream media without clogging your entire network • Store music and movies so you can play them anywhere in your home • Keep neighbors and snoopers out of your network • Share the files you want to share–and keep everything else private • Automatically back up your data across the network • Print from anywhere in the house–or from anywhere on Earth • Extend your network to work reliably in larger homes or offices • Set up a "guest network" for visiting friends and family • View streaming videos and other web content on your living room TV • Control your networked devices with your smartphone or tablet • Connect to Wi-Fi hotspots and get online in your car • Find and log onto hotspots, both public and hidden • Quickly troubleshoot common wireless network problems Michael Miller is the world's #1 author of beginning computer books. He has written more than 100 best-selling books over the past two decades, earning an international reputation for his friendly and easy-to-read style, practical real-world advice, technical accuracy, and exceptional ability to demystify complex topics. His books for Que include Computer Basics Absolute Beginner's Guide; Facebook for Grown-Ups; My Pinterest; Ultimate Digital Music Guide; Speed It Up! A Non-Technical Guide for Speeding Up Slow PCs, and Googlepedia: The Ultimate Google Resource. Category: Networking Covers: Wireless Networking User Level: Beginning

Ever wondered how many aircraft were converted into Japanese Zeroes and torpedo bombers for Tora! Tora! Tora! or how French Gazelle helicopters were modified for the title role in Blue Thunder? This first of its kind reference book lists aircraft featured in 350 films and television shows, providing brief individual histories, film locations, serial numbers and registrations. Aircraft are also cross-referenced by manufacturer. Appendices provide brief bios on pilots and technicians, information on aircraft collections owned by Tallmantz Aviation and Blue Max Aviation and film credits for U.S. aircraft carriers.

This military history chronicles a time during the Vietnam War when fighting stopped and the 101st Airborne helped those in need during a natural disaster. For three days during the Vietnam War, it wasn't rockets or artillery that came through the skies, but a horrific force of nature that suddenly put both sides in awe. When Super Typhoon Joan arrived in October 1970, an unofficial truce began. Air crewman faced masses of Vietnamese civilians outside their base perimeters for the first time. Could we trust them not to shoot? Could they trust us not to drop them off in a detention camp? Truces never last, but while they do, life changes for everyone involved. The "typhoon truce" stopped the war for three days in northern I Corps—that area bordering the demilitarized zone separating South Vietnam from North. Then, less than a week later, Super Typhoon Kate hit the same area with renewed fury. As the entire countryside was flooded, the people faced war and natural disaster at the same time. No one but the Americans had the resources to help the people who lived in the lowlands, and so they did. The everyday dangers they faced were only magnified by low clouds and poor visibility. But the aircrews of the 101st Airborne went out to help anyway. In this book, we see how, for a brief period during an otherwise vicious war, saving life took precedence over bloody conflict.

"This book details the remarkable efforts to develop a new aircraft configuration known as the Blended Wing-Body (BWB). Responding to a challenge from NASA, McDonnell Douglas Corporation initiated studies in the early 1990s to determine if this new configuration could bring about significant advantages over conventional sweptwing, streamlined tube, and swept-tail designs. Research precipitated the design and construction of two small-scale demonstrators: the X-48B. After McDonnell Douglas' merger with Boeing, the X-48B flew 92 test flights before modification into the X-48C, which in turn flew 30 flights under the auspices of NASA's Environmentally Responsible Aviation Program"--

This book presents how Digital Transformation is a requirement to upgrade Latin American universities to a next level in management, lecturing and learning processes and strategies. The book starts with a thorough introduction of the Latin American context addressing the three main topics in the book: Digital Transformation, Higher Education and Artificial Intelligence & Industry 4.0. They will be depicted by region, with a clear distribution between Central America & Mexico, Comunidad Andina (Perú, Colombia, Chile, Ecuador, Bolivia), Mercosur (Argentina, Brasil, Paraguay and Uruguay), and other countries. The book also shows how online learning is a key part of the transformation, with a clear focus on learning management systems, innovation and learning analytics. Further, personalised services for every single profile at the university (students, lecturers, academic managers) are presented to guarantee inclusive education service aggregation for networked campuses. Following, the book addresses strategy and overall services that concentrate on sustainability and revenue models integrated with a strategic planning. Finally a set of chapters will show specific experiences and case studies of direct application of Artificial Intelligence and Technology 4.0, where the readers can learn from and transfer directly into their educational contexts.

Blackbeard: Buccaneer By Ralph Delahaye Paine He differed from some of his neighbors in that he abominated pirates and would have given them short shift. A trifle near-sighted, he was quite close to the tavern before he espied his own nephew and ward, Jack Cockrell, in this shameful company of roisterers. The august uncle blinked, opened his mouth, and turned as red as a lobster. Indignation choked his speech. For his part, Jack stood dumfounded and quaking, the picture of a coward with a guilty conscience. He would have tried to steal from sight but it was too late.

Examines Alaska's current aviation environment and air transportation activities. Identifies the associated risk factors and safety deficiencies. Recommends practical measures for managing the risks to safe flight operations given the reality of Alaska's aviation environment and the potential of new technologies. Contents: Alaska's aviation operations and accidents; factors affecting the safety of takeoffs and landings in Alaska; factors affecting the safety of VFR operations in Alaska; enhancing the low altitude IFR system to fulfill Alaska's air transport. requirements; and special aviation operations in Alaska.

The book presents in comprehensive detail numerical solutions to boundary value problems of a number of non-linear differential equations. Replacing derivatives by finite difference approximations in these differential equations leads to a system of non-linear algebraic equations which we have solved using Newton's iterative method. In each case, we have also obtained Euler solutions and ascertained that the iterations converge to Euler solutions. We find that, except for the boundary values, initial values of the 1st iteration need not be anything close to the final convergent values of the numerical solution. Programs in Mathematica 6.0 were written to obtain the numerical solutions.

Shattered Nerves takes us on a journey into a new medical frontier, where sophisticated, state-of-the-art medical devices repair and restore failed sensory and motor systems. In a compelling narrative that reveals the intimate relationship between technology and the physicians, scientists, and patients who bring it to life, Victor D. Chase explores groundbreaking developments in neural technology. Originally published in hardcover in 2019 by Doubleday.

Health Care Paradigms in the Internet of Things Ecosystem brings all IoT-enabled health care related technologies into a single platform so that undergraduate and postgraduate students, researchers, academicians and industry leaders can easily understand IoT-based healthcare systems. The book uses data and network engineering and intelligent decision support system-by-design principles to design a reliable IoT-enabled health care ecosystem and to implement cyber-physical pervasive infrastructure solutions. It takes the reader on a journey that begins with understanding the healthcare monitoring paradigm in IoT-enabled technologies and how it can be applied in various aspects. In addition, the book walks readers through real-time challenges and presents a guide on how to build a safe infrastructure for IoT-based health care. It also helps researchers and practitioners understand the e-health care architecture through IoT and the state-of-the-art in IoT countermeasures. Readers will find this to be a comprehensive discussion on functional frameworks for IoT-based healthcare systems, intelligent medicine, RFID technology, HMI, Cognitive Interpretation, Brain-Computer Interface, Remote Health Monitoring systems, wearable sensors, WBAN, and security and privacy issues in IoT-based health care monitoring systems. Presents the complete functional framework workflow in IoT-enabled healthcare technologies Explains concepts of location-aware protocols and decisive mobility in IoT healthcare Provides complete coverage of intelligent data processing and wearable sensor technologies in IoT-enabled healthcare Explores the Human Machine Interface and its implications in patient-care systems in IoT healthcare Explores security and privacy issues and challenges related to data-intensive technologies in healthcare-based Internet of Things