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HVAC Troubleshooting Guide *McGraw Hill Professional* **A Practical, On-the-Job HVAC Guide Applicable to residential, commercial, and industrial jobs, this essential handbook puts a wealth of real-world information at your fingertips. HVAC Troubleshooting Guide shows you how to read, interpret, and prepare schedules, mechanical plans, and electrical schematics. This handy resource will aid you in your everyday tasks and keep you up to date with the latest facts, figures, and devices. The book includes numerous illustrations, tables, and charts, troubleshooting tips, safety precautions, resource directories, and a glossary of terms. HVAC Troubleshooting Guide helps you: Identify and safely use tools and equipment (both new and old) Use heat pumps and hot air furnaces Calculate ventilation requirements Work with refrigeration equipment and the new refrigerants Utilize control devices, including solenoids and relays Operate, select, and repair electric motors Work with condensers, compressors, and evaporators Monitor the flow of refrigerant with valves, tubing, and filters Comply with the Section 608 refrigerant recycling rule Program thermostats Insulate with batts, sheet, tubing covers, and foam Work with solid-state controls Understand electrical and electronic symbols used in schematics Environmental Compliance Guide for Facility Managers and Engineers** *CRC Press* **A practical guide for facility engineers and managers to understand the impact of environmental regulations when applied to operating equipment in any industry or facility. It lays out a clear road map on how to learn the essential steps and how to use the proper tools. Based on the author's 39-year experience, this concise material discusses real-life applications and case studies adopted and implemented successfully in many NYC facilities and appropriate for large cities. It will help facility engineers comply with various rules and regulations of the jurisdictions of EPA, state, city, and local agencies and properly itemize reporting requirements. Features include:**

- Guides facility engineers and managers with a clear and logical exposition of topics, developments, and valuable regulatory frameworks for appropriate preparation and compliance
- Provides detailed explanations of procedures for emission reduction and improved efficiency and productivity
- Emphasizes the importance of continuing education in compliance to prevent high penalties for facilities
- Includes real-life applications and case studies on reducing energy baseline and current operating methods, providing formulas and calculations
- Addresses regulatory knowledge for operating systems in cities with a dense population in the US and countries with similar regulatory frameworks

This book will benefit professionals, engineers, facility and project managers, building and grounds supervisors, code compliance managers, and heating, ventilation, air conditioning (HVAC) systems contractors and installers in hospitals, universities, schools, and other facilities.

International Handbook on Child Rights and School Psychology *Springer Nature* **This handbook examines the meanings, implications, and transformative potential of a child-rights approach for school psychology. It focuses on the school community, in which psychology is committed to promoting well-being, learning, and development of all children. The handbook begins with an overview of the 1989 United Nations Committee on the Rights of the Child (CRC) and explores main themes such as, survival, protection, development, participation, and nondiscrimination. Chapters provide guidance in promoting and protecting child rights when dealing with critical issues relevant to the school community, including well-being, freedom from violence, and access to high quality education. In addition, chapters analyze and offer recommendations for child rights applications within the roles and responsibilities of school psychologists. The handbook concludes with future directions for achieving a child-rights approach for school psychology. Topics featured in this handbook include: The current status of child rights in the international community. Accountability for child rights by school psychology. Collaborative home, school, and community practices aimed at promoting family support. Protecting child rights within the realm of competitive sports. CRC and school-based intervention programming. Promoting child rights through school leadership. Applying child rights-respecting research to the study of psychological well-being. The International Handbook on Child Rights and School Psychology is a must-have resource for researchers, scientist-practitioners, clinicians, and graduate students in child and school psychology, educational policy and politics, social work, public health, and other school-based or child-serving mental health disciplines.**

A Guide to Treatments That Work *Oxford University Press, USA* **Like its predecessors, this fourth edition of A Guide to Treatments That Work offers detailed chapters that review the latest research on pharmacological and psychosocial treatments that work for the full range of psychiatric and psychological disorders, written in most instances by clinical psychologists and psychiatrists who have been major contributors to that literature. Similarly, the standards by which the authors were asked to evaluate the methodological rigor of the research on treatments have also remained the same. Each chapter in A Guide to Treatments That Work follows the same general outline: a review of diagnostic cues to the disorder, a discussion of changes in the nomenclatures from DSM-IV to DSM-5, and then a systematic review of research, most of which has been reported within the last few years, that represents the evidence base for the treatments reviewed. In all, 26 of the volume's 28 chapters review the evidence base for 17 major syndromes. Featuring this coverage is a Summary of Treatments that Work, an extended matrix offering a ready reference by syndrome of the conclusions reached by the chapter authors on treatments that work reviewed in their chapters. New to this edition are two chapters at the beginning of the book. Chapter 1 details two perplexing issues raised by critics of DSM-5: the unrealized potential of neuroscience biomarkers to yield more accurate and reliable diagnoses and the lingering problem of conflicts of interest in pharmaceutical research. Chapter 2 contrasts Native American and western ways of identifying effective treatments for mental and physical disorders, concluding that "evidence-informed culture-based" interventions sometimes constitute best practices in Native communities. Two chapters detailing pharmacological treatments for pediatric bipolar disorder (Chapter 9) and pediatric depressive disorder (Chapter 12) have also been added. More than three quarters of the chapters are written by colleagues who also contributed to most or all of the previous editions. Hence, this new edition provides up-to-date information on the quality of research on treatment efficacy and effectiveness provided by individuals who know the research best. Instrument and Automation Engineers' Handbook Process Measurement and Analysis, Fifth Edition - Two Volume Set** *CRC Press* **The Instrument and Automation Engineers' Handbook (IAEH) is the Number 1 process automation handbook in the world. The two volumes in this greatly expanded Fifth Edition deal with measurement devices and analyzers. Volume one, Measurement and Safety, covers safety sensors and the detectors of physical properties, while volume two, Analysis and Analysis, describes the measurement of such analytical properties as composition. Complete with 245 alphabetized chapters and a thorough index for quick access to specific information, the IAEH, Fifth Edition is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries.**

Handbook of Career Development in Academic Psychiatry and Behavioral Sciences *American Psychiatric Pub* **Working in academic psychiatry is fulfilling, replete with extraordinary colleagues and inspiring opportunities for meaningful work and professional growth. Even so, getting started in an academic career can be a bit unsettling. After years of education, a new faculty member may feel unprepared for the everyday duties associated with a different academic role -- negotiating with the chair, writing letters of recommendation for students, participating on committees with colleagues, and balancing personal and professional life. The Handbook of Career Development in Academic Psychiatry and Behavioral Sciences, Second Edition, provides real-world advice with compassion. Readers will find just what they need when they need it: step-by-step guidance to approaching the tasks and challenges that face them, questions to discuss with mentors and colleagues, and professionally vetted online career development resources. Readers will also hear the voice of sympathetic, experienced academic clinicians who share how best to navigate challenging situations encountered in academic settings. Each chapter features:**

- Smart Strategies: A list of specific actions readers can take to reach their professional goals
- Questions to Discuss with a Mentor or a Colleague: A list of questions that simplifies and normalizes the process of soliciting career advice and assistance
- Additional Resources: A collection of the most recent and innovative websites, books, and articles that will assist readers on their career path, even after they've finished reading the book

Readers who seek out the advice in this book will find that they are better equipped to forge their academic careers -- and flourish.

Ciottoni's Disaster Medicine *Elsevier Health Sciences* **The most comprehensive resource of its kind, Ciottoni's Disaster Medicine, 2nd Edition, thoroughly covers isolated domestic events as well as global disasters and humanitarian crises. Dr. Gregory Ciottoni and more than 200 worldwide authorities share their knowledge and expertise on the preparation, assessment, and management of both natural and man-made disasters, including terrorist attacks and the threat of biological warfare. Part 1 offers an A-to-Z resource for every aspect of disaster medicine and management, while Part 2 features an exhaustive compilation of every conceivable disaster event, organized to facilitate quick reference in a real-time setting. Quickly grasp key concepts, including identification of risks, organizational preparedness, equipment planning, disaster education and training, and more advanced concepts such as disaster risk reduction, tactical EMS, hazard vulnerability analysis, impact of disaster on children, and more. Understand the chemical and biologic weapons known to exist today, as well as how to best manage possible future events and scenarios for which there is no precedent. Be prepared for man-made disasters with new sections that include Topics Unique to Terrorist Events and High-Threat Disaster Response and Operational Medicine (covering tactical and military medicine). Get a concise overview of lessons learned by the responders to recent disasters such as the earthquake in Haiti, Hurricane Sandy, the 2014 Ebola outbreak, and active shooter events like Sandy Hook, CT and Aurora, CO. Learn about the latest technologies such as the use of social media in disaster response and mobile disaster applications. Ensure that everyone on your team is up-to-date with timely topics, thanks to new chapters on disaster nursing, crisis leadership, medical simulation in disaster preparedness, disaster and climate change, and the role of non-governmental agencies (NGOs) in disaster response - a critical topic for those responding to humanitarian needs overseas. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, references, and videos from the book on a variety of devices.**

Trees & Forests, A Colour Guide *Biology, Pathology, Propagation, Silviculture, Surgery, Biomes, Ecology, and Conservation* *CRC Press* **Trees are one of the dominant features of our existence on earth and play a fundamental role in the environment. This book gives the reader an overview and understanding of trees. Subject areas covered include ecology and conservation, tree anatomy and evolution, pathology, silviculture, propagation, and surgery. The different chapters cover trees from various world habitats, from northern boreal and montane coniferous forests to tropical and subtropical rainforests. The book is fully illustrated throughout with the highest quality color photos and is invaluable to professionals and students in plant science, plant biology, ecology, and conservation and to those working in forestry and arboriculture.**

Strategies for Healthcare Education How to Teach in the 21st Century *CRC Press* **This work contains a Foreword by Dorothy Marriss, Deputy Vice Chancellor and Dean, School of Health and Social Care, University of Chester. This practical guide promotes evidence-based teaching. It provides a thorough, critical analysis of various healthcare teaching strategies, offering new strategies and an integrative approach promoting blended learning, self-directed study, simulation, the use of medical humanities and story-telling. Health and social care educators in all sectors and across all fields will find this book invaluable, as will education policy makers and shapers, and health and social care professionals with an interest in education and professional development. 'This book gives the reader an immensely readable account of the move healthcare education has made into the 21st Century. The move from a syllabus of training detailing concise statements in relation to learning to a curriculum for education that emphasises learning strategy and outcomes is a fairly recent development in education planning. Now the teacher is a facilitator of learning with the expertise to create a stimulating learning environment. I highly recommend this book as a rich source of education development for the new teacher and as a refresher for the more experienced teacher' - Dorothy Marriss, in the Foreword.**

A Practical Guide to the Evaluation of Child Physical Abuse and Neglect *Springer Science & Business Media* As we near the 50th anniversary of the landmark article by C. Henry Kempe and his colleagues entitled "The Battered Child Syndrome", which ushered in the modern era of professional attention by pediatricians and other child health professionals, we have reason for both celebration and concern. We can take heart that over the recent decades, a great deal of professional attention focused on the problem of child abuse and neglect. In every state of the country, there are mandatory reporting laws that require nurses, physicians, and social workers to report suspicions of maltreatment to the appropriate authorities for investigation. The act of reporting provides legal immunity to the reporter except when performed in bad faith. Progress in understanding the factors that place children at risk for harm from physical abuse and neglect now permits prevention and intervention. The peer-reviewed literature dealing with child abuse and neglect has proliferated with high quality work being done and reported on the many dimensions related to the epidemiology, mechanism, treatment, and prognosis of child maltreatment. Efforts are being directed toward developing an evidence-based approach to the prevention of child abuse and neglect. These are some of the positives. However, negatives exist and remain reasons for concern. Despite a tremendous amount of attention to the problem of maltreatment, there are at least 3 million reports of suspected child abuse and neglect made annually, with nearly 1 million cases being substantiated. **Hockey Abstract Presents... Stat Shot The Ultimate Guide to Hockey Analytics** *ECW Press* Making advanced stats simple, practical, and fun for hockey fans Advanced stats give hockey's powerbrokers an edge, and now fans can get in on the action. Stat Shot is a fun and informative guide hockey fans can use to understand and enjoy what analytics says about team building, a player's junior numbers, measuring faceoff success, recording save percentage, the most one-sided trades in history, and everything you ever wanted to know about shot-based metrics. Acting as an invaluable supplement to traditional analysis, Stat Shot can be used to test the validity of conventional wisdom, and to gain insight into what teams are doing behind the scenes, or maybe what they should be doing. Whether looking for a reference for leading-edge research and hard-to-find statistical data, or for passionate and engaging storytelling, Stat Shot belongs on every serious hockey fan's bookshelf. **David Busch's Nikon D3500 Guide to Digital SLR Photography** *Rocky Nook, Inc.* **David Busch's Nikon D3500 Guide to Digital SLR Photography** is your all-in-one comprehensive resource and reference for the Nikon D3500 camera, the company's most compact and easy-to-use entry-level dSLR. Taking and sharing pictures is easier than ever, thanks to the D3500's enhanced Guide Mode and SnapBridge Bluetooth Low Energy wireless link between the D3500 and your Android or iOS smartphone or tablet.. This 24-megapixel camera offers Full HD 1080p 60 fps video, continuous shooting at up to 5 frames per second, and increased battery life of up to 1550 shots per charge. With this book in hand, you can fine tune your camera skills as you explore the world of digital photography, develop your creativity, and take great photographs with your D3500.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Nikon D3500 Guide to Digital SLR Photography* covers all the camera's features in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy visual guide to the D3500, with close-up photos and descriptions of the camera's essential features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon D3500 today. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana} **GB/T-2021, GB-2021 -- Chinese National Standard PDF-English, Catalog (year 2021) Chinese National Standard: GB Series of year 2021**

<https://www.chinesestandard.net> **This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2021.** **Handbook of Issues in Criminal Justice Reform in the United States** *Springer Nature* **Handbook of Cognitive and Autonomous Systems for Fire Resilient Infrastructures** *Springer Nature* This handbook aims at modernizing the current state of civil engineering and firefighting, especially in this era where infrastructures are reaching new heights, serving diverse populations, and being challenged by unique threats. Its aim is to set the stage toward realizing contemporary, smart, and resilient infrastructure. The **Handbook of Cognitive and Autonomous Systems for Fire Resilient Infrastructures** draws convergence between civil engineering and firefighting to the modern realm of interdisciplinary sciences (i.e., artificial intelligence, IoT, robotics, sensing, and human psychology). As such, this work aims to revolutionize the current philosophy of design for one of the most notorious extreme events: fire. Unlike other publications, which are narrowed to one specific research area, this handbook cultivates a paradigm in which critical aspects of structural design, technology, and human behavior are studied and examined through chapters written by leaders in their fields. This handbook can also serve as a textbook for graduate and senior undergraduate students in Civil, Mechanical, and Fire Protection engineering programs as well as for students in Architectural and social science disciplines. Students, engineers, academics, professionals, scientists, firefighters, and government officials involved in national and international societies such as the American Society of Civil Engineers (ASCE), Society of Fire Protection Engineers (SFPE), National Fire Protection Association (NFPA), and Institute of Electrical and Electronics Engineers (IEEE), among others, will benefit from this handbook. **Wisconsin Airport Land Use Guidebook Commercial Refrigeration for Air Conditioning Technicians** *Cengage Learning* Popular and practical, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS**, 3rd Edition, helps you apply HVAC skills to concepts in commercial refrigeration. Focused on the food service industry, chapters address how HVAC technicians service medium- and low-temperature refrigeration equipment such as walk-ins, reach-ins, refrigerated cases, and ice machines. Readings also include special features, such as insider tips from seasoned pros on installing, servicing, and troubleshooting commercial equipment. Freshly updated to include the latest industry changes, the third edition adds six full sections of content, as well as 150 helpful illustrations, pictures, and diagrams—including a step-by-step flowchart for quickly diagnosing and addressing the nine most common refrigeration problems you will see on the job. A resource to keep handy, **COMMERCIAL REFRIGERATION FOR AIR CONDITIONING TECHNICIANS**, 3rd Edition, is ideal for any technician working with commercial refrigeration today. **Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.** **Crisis Preparedness Handbook, 3rd Edition A Comprehensive Guide to Home Storage and Physical Survival** *Cross-Current Publishing* The crises of 2020 impacted every single one of us. Were you prepared? Are you prepared for the next crisis? This new, updated third edition gives you the tools you need to ensure safety and survival so you can be prepared for any disaster that comes your way. You'll learn how to: ✓ Identify your crisis risk ✓ Create a customized preparedness plan ✓ Design a basic food-storage system that's ideal for you ✓ Safely store water and fuel ✓ Tackle sanitation issues and communications breakdowns ✓ Protect your home and family This book also gives you unique benefits you won't see in other preparedness books, such as: ✓ 5 Things You Can Do Now—Quick-start ideas in each chapter to get you going ✓ Quick Checks—Checklists that help you evaluate options ✓ Worksheets—Planning tools to optimize your preparedness plan ✓ Resource Section—Reviews of unique products that help you prepare ✓ Personally Speaking—Patricia's tips, insights, and survival life-lessons You'll love **Crisis Preparedness Handbook** because it gives you everything you need to confidently handle any crisis and feel the peace that comes with being prepared. Get it now. **The Silent Epidemic of Gun Injuries Challenges and Opportunities for Treating and Preventing Gun Injuries** *Oxford University Press* "There are numerous preconceived notions about this topic, as well as profound concerns on how gun violence is altering the life course of residents, family members, neighborhoods, and the nation as a whole. Some of these notions will be widely embraced while others may enjoy limited acceptance. Regardless of stance, we can acknowledge that gun violence undermines a quest for a healthy and productive life. Further, making this book urban focused, has race and socio-economic class assume prominence bringing a social justice and equity lens (Zakrisson, Williams, & Crandall, 2021)"-- **Handbook of Psychological Assessment in Primary Care Settings, Second Edition** *Taylor & Francis* The second edition **Handbook of Psychological Assessment in Primary Care Settings** offers an overview of the application of psychological screening and assessment instruments in primary care settings. This indispensable reference addresses current psychological assessment needs and practices in primary care settings to inform psychologists, behavioral health clinicians, and primary care providers the clinical benefits that can result from utilizing psychological assessment and other behavioral health care services in primary care settings. **Routledge International Handbook of Visual Criminology** *Taylor & Francis* Dynamically written and richly illustrated, the **Routledge International Handbook of Visual Criminology** offers the first foundational primer on visual criminology. Spanning a variety of media and visual modes, this volume assembles established researchers whose work is essential to understanding the role of the visual in criminology and emergent thinkers whose work is taking visual criminology in new directions. This book is divided into five parts that each highlight a key aspect of visual criminology, exploring the diversity of methods, techniques and theoretical approaches currently shaping the field: • Part I introduces formative positions in the developments of visual criminology and explores the different disciplines that have contributed to analysing images. • Part II explores visual representations of crime across film, graphic art, documentary, police photography, press coverage and graffiti and urban aesthetics. • Part III discusses the relationship of visual criminology to criminal justice institutions like policing, punishment and law. • Part IV focuses on the distinctive ethical problems posed by the image, reflecting on the historical development, theoretical disputes and methodological issues involved. • Part V identifies new frameworks and emergent perspectives and reflects upon the distinctive challenges and limits that can be seen in this emerging field. This book includes a vibrant colour plate section and over a hundred black and white images, breaking down the barriers between original photography and artwork, historic paintings and illustrations and modern comics and films. This interdisciplinary book will be of interest to criminologists, sociologists, visual ethnographers, art historians and those engaged with media studies. **Integration of Vocational Education and Training Experiences Purposes, Practices and Principles** *Springer* This book draws on experiences from a range of vocational education systems in different nation states and re-examines the purpose of providing experiences outside educational institutions; the kinds and extent of those experiences; and efforts made to ensure the integration of students' experiences across sites. Analyses of the various vocational education systems, their purposes and practices across nations, and challenges experienced by different stakeholders illustrate different approaches to the integration of learning at different sites. The book includes a consideration of what constitutes the integration and reconciliation of experiences, and their attendant educational implications. This extends an appraisal of the concepts of integration, reconciliation, curriculum and work readiness, each of which has a range of connotations. Integration or reconciliation is differentiated from transfer of learning, which is commonly based on simple assumptions that the educational institutions will provide theory and that the workplaces will provide practice from the workplaces, and that the two can be easily linked by students. The contributions from different nation states clearly demonstrate that integration is a collaborative process and requires the agency of stakeholders operating at global, national and specific learning site levels. **Clinical Guide to Mental Disability Evaluations** *Springer Science & Business Media* Disability evaluations are the most common clinical mental health evaluations conducted for nontreatment purposes. They place mental health professionals in the role of communicating information that is typically confidential to administrative and legal systems. Unfortunately, mental health professionals receive little to no training in conducting assessments that focus on disability and disability management, and often do not understand the implications and risks of providing this information, especially without conducting what are often specialized evaluations. **Clinical Guide to Mental Health Disability Evaluations** is geared for general mental health practitioners, providing them with the basic information needed to competently provide the various types of disability evaluations. It also provides enough information to inform forensic mental health providers in conducting more specialized evaluations. Under the **Nuclear Shadow Situational Awareness Technology and Crisis Decisionmaking** *Rowman & Littlefield* Information dominance has been essential to ensuring U.S. military effectiveness, sustaining the credibility and assurance of military alliances, and stabilizing or reducing the risks of miscalculation or collateral damage. But can there be too much of a good thing? **Strengthening Forensic Science in the United States A Path Forward** *National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. **Strengthening Forensic Science in the United States: A Path Forward** provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. **Strengthening Forensic Science in the United States** gives a full account of what is needed to advance the forensic science disciplines, including

upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. **Photographer's Guide to the Nikon Coolpix P610 Getting the Most from Nikon's Superzoom Digital Camera** *White Knight Press* This book is a complete guide to the operation and features of the Nikon Coolpix P610 digital camera. The book explains all shooting modes, menus, functions, and controls of this superzoom camera in clear language, accompanied by more than 350 full-color illustrations and sample photographs. This guide shows beginning and intermediate photographers how to capture still images and videos with the Coolpix P610, and how to use the camera's many shooting options to get the results they want. The book explains topics such as autofocus, manual focus, aperture priority, shutter priority, HDR (High Dynamic Range) photography, ISO, memory cards, and flash modes. The book includes a discussion of techniques for using the camera's phenomenal zoom lens, with a maximum focal length of 1440mm, to full advantage. The book also discusses the camera's features for image transfer and remote control through the P610's built-in wireless (Wi-Fi) network, as well as its features for adding location data to images through its GPS capability. The book includes sample images taken using the creative settings of the camera, including the Picture Control settings, which alter the color processing of images; the Scene and Special Effects shooting modes, with settings optimized for subjects such as landscapes, portraits, pets, sunsets, and action shots; and the camera's features for continuous (burst) shooting and time-lapse photography. In addition, the book provides introductions to topics such as infrared photography, street photography, and macro photography. The book also explains the video recording abilities of the Coolpix P610, which can shoot high-definition (HD) video with stereo sound and can record clips of high-speed video at rates up to 4 times normal speed. In addition, the book describes procedures for playing back images and videos in the camera and for using the Filter Effects option to add special effects to images after they have been captured. In three appendices, the book discusses accessories for the Coolpix P610, including cases, external flash units, and charging and power options. The appendices include a list of useful web sites and other resources, as well as a section with "quick tips" to help users take advantage of the camera's features in the most efficient ways possible.

Handbook of Measurement in Science and Engineering *John Wiley & Sons* A multidisciplinary reference of engineering measurement tools, techniques, and applications "When you can measure what you are speaking about, and express it in numbers, you know something about it; but when you cannot measure it, when you cannot express it in numbers, your knowledge is of a meager and unsatisfactory kind; it may be the beginning of knowledge, but you have scarcely in your thoughts advanced to the stage of science." — Lord Kelvin Measurement is at the heart of any engineering and scientific discipline and job function. Whether engineers and scientists are attempting to state requirements quantitatively and demonstrate compliance; to track progress and predict results; or to analyze costs and benefits, they must use the right tools and techniques to produce meaningful data. The Handbook of Measurement in Science and Engineering is the most comprehensive, up-to-date reference set on engineering and scientific measurements—beyond anything on the market today. Encyclopedic in scope, Volume 3 covers measurements in physics, electrical engineering and chemistry: Laser Measurement Techniques Magnetic Force Images using Capacitive Coupling Effect Scanning Tunneling Microscopy Measurement of Light and Color The Detection and Measurement of Ionizing Radiation Measuring Time and Comparing Clocks Laboratory-Based Gravity Measurement Cryogenic Measurements Temperature-Dependent Fluorescence Measurements Voltage and Current Transducers for Power Systems Electric Power and Energy Measurement Chemometrics for the Engineering and Measurement Sciences Liquid Chromatography Mass Spectroscopy Measurements of Nitrotyrosine-Containing Proteins Fluorescence Spectroscopy X-Ray Absorption Spectroscopy Nuclear Magnetic Resonance (NMR) Spectroscopy Near Infrared (NIR) Spectroscopy Nanomaterials Properties Chemical Sensing Vital for engineers, scientists, and technical managers in industry and government, Handbook of Measurement in Science and Engineering will also prove ideal for academics and researchers at universities and laboratories.

Digital Criminology *Paul Neumann* This book examines the concept and elements of the digital world; technologies of the digital world in the era of the third and fourth industrial revolutions; criminogenic factors present in the era of the third and fourth industrial revolutions; features of crime, terrorism, and extremism in the digital world; the identity of criminals and criminal organizations operating in the digital world; and measures to prevent crime in the digital world. **Ending Ageism, or How Not to Shoot Old People** *Rutgers University Press* When the term "ageism" was coined in 1969, many problems of exclusion seemed resolved by government programs like Social Security and Medicare. As people live longer lives, today's great demotions of older people cut deeper into their self-worth and human relations, beyond the reach of law or public policy. In *Ending Ageism, or How Not to Shoot Old People*, award-winning writer and cultural critic Margaret Morganroth Gullette confronts the offenders: the ways people aging past midlife are portrayed in the media, by adult offspring; the esthetics and politics of representation in photography, film, and theater; and the incitement to commit suicide for those with early signs of "dementia." In this original and important book, Gullette presents evidence of pervasive age-related assaults in contemporary societies and their chronic affects. The sudden onset of age-related shaming can occur anywhere—the shove in the street, the cold shoulder at the party, the deaf ear at the meeting, the shut-out by the personnel office or the obtuseness of a government. Turning intimate suffering into public grievances, *Ending Ageism, Or How Not to Shoot Old People* effectively and beautifully argues that overcoming ageism is the next imperative social movement of our time. About the cover image: This elegant, dignified figure—Leda Machado, a Cuban old enough to have seen the Revolution—once the center of a vast photo mural, is now a fragment on a ruined wall. Ageism tears down the structures that all humans need to age well; to end it, a symbol of resilience offers us all brisk blue-sky energy. "Leda Antonia Machado" from "Wrinkles of the City, 2012." Piotr Trybalski / Trybalski.com. Courtesy of the artist. For more information, an excerpt, links to reviews, and special offers on this book, go to: <https://www.rutgersuniversitypress.org/ending-ageism> Related website: (<https://www.brandeis.edu/wsrc/scholars/profiles/gullette.html>)

Beyond Tenderpreneurship Rethinking Black Business and Economic Empowerment *African Books Collective* Black Economic Empowerment (BEE) policies have been a central pillar of attempts to overcome the economic legacy of apartheid. Yet, more than two decades into democracy, economic exclusion in South Africa still largely reflects the fault-lines of the apartheid era. Current discourse often conflates BEE with the so-called 'tenderpreneurship' referred to in the title, namely the reliance of some emergent black capitalists on state patronage. Authors go beyond this notion to understand BEE's role from a unique perspective. They trace the history of black entrepreneurship and how deliberate policies under colonialism and its apartheid variant sought to suppress this impulse. In the context of modern South Africa, authors interrogate the complex dynamics of class formation, economic empowerment and redress against the backdrop of broader macroeconomic policies. They examine questions relating to whether B-BBEE policies are informed by strategies to change the structure of the economy. These issues are explored against the backdrop of the experiences of other developing countries and their journeys of industrialisation. The relevant black empowerment experiences of countries such as the United States are also discussed. The authors identify policy and programmatic interventions to forge the non-racial future that the constitution enjoins South Africans to build. **Historic Newspapers in the Digital Age Search All About It!** *Taylor & Francis* In recent years, cultural institutions and commercial providers have created extensive digitised newspaper collections. This book asks the timely question: what can the large-scale digitisation of newspapers tell us about the wider cultural phenomenon of mass digitisation? The unique form and materiality of newspapers, and their grounding in a particular time and place, provide challenges for researchers and digital resource creators alike. At the same time, the wider context in which digitisation of cultural heritage occurs shapes the impact of digital resources in ways which fall short of the grand ambitions of the wider theoretical discourse. Drawing on case studies from leading digitised newspaper collections, the book aims to provide a bridge between the theory and practice of how these digitised collections are being used. Beginning with an exploration of the hyperbolic nature of technological discourses, the author explores how web interfaces, funding models and the realities of contemporary user behaviour contrast with the hyperbolic discourse surrounding mass digitisation. This book will be of particular interest to those who want to investigate how user studies can inform our understanding of technological phenomena, including digital resource creators, information professionals, students and researchers in universities, libraries, museums and archives.

Children in Need of Support *Bloomsbury Publishing* How do you apply the principles, structures and processes of the law to everyday practice? Drawing on a wealth of contemporary case examples, this handy pocket book demystifies the legislation on children in need and demonstrates the practical duties and responsibilities of professionals within both the statutory and voluntary sectors. **Inclusive Primary Teaching A critical approach to equality and special educational needs** *Critical Publishing* This is an invaluable and up to date text on inclusive practice for all primary trainees and teachers and for those working towards the National Award SEN Co-ordination. It provides a critical approach to inclusion combining both theory and practice while promoting critical thinking about the complex issues involved. Scenarios are used as the basis for unpicking major issues and provide the opportunity for learning in context, and chapter reflections encourage deep thinking about the key learning points. **Data Information Literacy Librarians, Data and the Education of a New Generation of Researchers** *Purdue University Press* Given the increasing attention to managing, publishing, and preserving research datasets as scholarly assets, what competencies in working with research data will graduate students in STEM disciplines need to be successful in their fields? And what role can librarians play in helping students attain these competencies? In addressing these questions, this book articulates a new area of opportunity for librarians and other information professionals, developing educational programs that introduce graduate students to the knowledge and skills needed to work with research data. The term "data information literacy" has been adopted with the deliberate intent of tying two emerging roles for librarians together. By viewing information literacy and data services as complementary rather than separate activities, the contributors seek to leverage the progress made and the lessons learned in each service area. The intent of the publication is to help librarians cultivate strategies and approaches for developing data information literacy programs of their own using the work done in the multiyear, IMLS-supported Data Information Literacy (DIL) project as real-world case studies. The initial chapters introduce the concepts and ideas behind data information literacy, such as the twelve data competencies. The middle chapters describe five case studies in data information literacy conducted at different institutions (Cornell, Purdue, Minnesota, Oregon), each focused on a different disciplinary area in science and engineering. They detail the approaches taken, how the programs were implemented, and the assessment metrics used to evaluate their impact. The later chapters include the "DIL Toolkit," a distillation of the lessons learned, which is presented as a handbook for librarians interested in developing their own DIL programs. The book concludes with recommendations for future directions and growth of data information literacy. More information about the DIL project can be found on the project's website: datainfolit.org. **Air Conditioning and Refrigeration Troubleshooting Handbook** *Pearson College Division* An overview of the servicing and troubleshooting of cooling equipment provides detailed explanations of the purpose of each cooling system component, covering the common problems encountered during troubleshooting. Includes troubleshooting charts, numerous diagrams, and suggested procedures for repairs. **The Future of Electricity Demand Customers, Citizens and Loads** *Cambridge University Press* This book is a comprehensive and analytical perspective on the future of electricity demand in a low-carbon world. **Guide to Best Practice Maintenance & Operation of HVAC Systems for Energy Efficiency The Forest of the Lacandon Maya An Ethnobotanical Guide** *Springer* The Forest of the Lacandon Maya: An Ethnobotanical Guide, with active links to audio-video recordings, serves as a comprehensive guide to the botanical heritage of the northern Lacandones. Numbering fewer than 300 men, women, and children, this community is the most culturally conservative of the Mayan groups. Protected by their hostile environment, over many centuries they maintain autonomy from the outside forces of church and state, while they continue to draw on the forest for spiritual inspiration and sustenance. In *The Forest of the Lacandon Maya: An Ethnobotanical Guide*, linguist Suzanne Cook presents a bilingual Lacandon-English ethnobotanical guide to more than 450 plants in a tripartite organization: a botanical inventory in which main entries are headed by Lacandon names followed by common English and botanical names, and which includes plant descriptions and uses; an ethnographic inventory, which expands the descriptions given in the botanical inventory, providing the socio-historical, dietary, mythological, and spiritual significance of most plants; and chapters that discuss the relevant cultural applications of the plants in more detail provide a description of the area's geography, and give an ethnographic overview of the Lacandones. Active links throughout the text to original audio-video recordings demonstrate the use and preparation of the most significant plants. **Statistical Guidelines: New Developments in Statistical Methods and Psychometric Tools** *Frontiers Media SA* **Health Care Errors and Patient Safety** *John Wiley & Sons* The detection, reporting, measurement, and minimization of medical errors and harms is now a core requirement in clinical organizations throughout developed societies. This book focuses on this major new area in health care. It explores the nature of medical error, its incidence in different health care

settings, and strategies for minimizing errors and their harmful consequences to patients. Written by leading authorities, it discusses the practical issues involved in reducing errors in health care - for the clinician, the health policy adviser, and ethical and legal health professionals.