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Endorsed by the Australian College of Critical Care Nurses (ACCCN) ACCCN is the peak professional organisation representing critical care nurses in Australia Written by leading critical care nursing clinicians, Leanne Aitken, Andrea Marshall and Wendy Chaboyer, the 4th edition of Critical Care Nursing continues to encourage and challenge critical care nurses and students to develop world-class practice and ensure the delivery of the highest quality care. The text addresses all aspects of critical care nursing and is divided into three sections: scope of practice, core components and specialty practice, providing the most recent research, data, procedures and guidelines from expert local and international critical care nursing academics and clinicians. Alongside its strong focus on critical care nursing practice within Australia and New Zealand, the 4th edition brings a stronger emphasis on international practice and expertise to ensure students and clinicians have access to the most contemporary practice insights from around the world. Increased emphasis on practice tips to help nurses care for patients within critical care Updated case studies, research vignettes and learning activities to support further learning Highlights the role of the critical care nurse within a multidisciplinary environment and how they work together Increased global considerations relevant to international context of critical care nursing alongside its key focus within the ANZ context Aligned to update NMBA RN Standards for Practice and NSQHS Standards Modeling, Simulation, Design and Engineering of WDM Systems and Networks provides readers with the basic skills, concepts, and design techniques used to begin design and engineering of optical communication systems and networks at various layers. The latest semi-analytical system simulation techniques are applied to optical WDM systems and networks, and a review of the various current areas of optical communications is presented. Simulation is mixed with experimental verification and engineering to present the industry as well as state-of-the-art research. This contributed volume is divided into three parts, accommodating different readers interested in various types of networks and applications. The first part of the book presents modeling approaches and simulation tools mainly for the physical layer including transmission effects, devices, subsystems, and systems), whereas the second part features more engineering/design issues for various types of optical systems including ULH, access, and in-building systems. The third part of the book covers networking issues related to the design of provisioning and survivability algorithms for impairment-aware and multi-domain networks. Intended for professional scientists, company engineers, and university researchers, the text demonstrates the effectiveness of computer-aided design when it comes to network engineering and prototyping. An updated and expanded new edition of a widely-used guide to the theory and practice of psychodynamic psychotherapy, Cabaniss' Psychodynamic Psychotherapy: A Clinical Manual, 2nd Edition provides material for readers to apply immediately in their treatment of patients. Tourism is one of the world's biggest industries. This book discusses responsible tourism as a whole, including the politics, policy and planning behind it, and the major subject sub-topics, such as poverty reduction, the environment, transport, governance, wildlife tours and heritage. It is suitable for university libraries and policy makers. This book constitutes

the refereed proceedings of the Second IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2011, held in Costa de Caparica, Portugal, in February 2011. The 67 revised full papers were carefully selected from numerous submissions. They cover a wide spectrum of topics ranging from collaborative enterprise networks to microelectronics. The papers are organized in topical sections on collaborative networks, service-oriented systems, computational intelligence, robotic systems, Petri nets, sensorial and perceptual systems, sensorial systems and decision, signal processing, fault-tolerant systems, control systems, energy systems, electrical machines, and electronics. The school of thought surrounding the urban ecosystem has increasingly become in vogue among researchers worldwide. Since half of the world's population lives in cities, urban ecosystem services have become essential to human health and wellbeing. Rapid urban growth has forced sustainable urban developers to rethink important steps by updating and, to some degree, recreating the human – ecosystem service linkage. Assessing, as well as estimating the losses of ecosystem services can denote the essential effects of urbanization and increasingly indicate where cities fall short. This book contains 13 thoroughly refereed contributions published within the Special Issue “ Urban Ecosystem Services ” . The book addresses topics such as nature-based solutions, green space planning, green infrastructure, rain gardens, climate change, and more. The contributions highlight new findings for landscape architects, urban planners, and policymakers. Important future cities research is considered by looking at the system connectivity between the social and ecological sphere—via varying forms of urban planning, management, and governance. The book is supported by methods and models that utilize an urban sustainability and ecosystem service-centric focus by adding knowledge-base and real-world solutions into the urbanization phenomenon. Emergency and Trauma Care is written for Australian emergency care providers including paramedics, emergency nurses, pre-hospital care providers, nurse practitioners, general practice nurses and allied health practitioners including occupational therapists and physiotherapists who are caring for trauma patients. This book follows the patient journey from pre-hospital to definitive care. Using a body systems approach, each chapter provides comprehensive coverage of all aspects of adult and paediatric emergencies. Implications for clinical practice is supported by chapters of professional practice, clinical skills, research, evidence-based practice, and legal, ethical and cultural issues. Clinical assessment, physiology, management and rationale for intervention of common and not so common emergency presentations are provided, with each chapter providing clear and relevant examples for both Paramedics and Nurses. Emergency and Trauma Care brings together a team of highly respected clinical practitioners and academics to deliver the most up-to-date text dealing with the practical procedures and evidence experienced by emergency and trauma care providers every day. Chapter 2 Pre-hospital care overview in Australia and NZ Chapter 10 Scene assessment, management and rescue Chapter 11 Pre-Hospital Clinical Reasoning, Triage and Communication Pre-hospital and emergency nursing considerations included in all relevant chapters Chapter 5 Cultural Considerations in Emergency Care addresses cultural diversity, beliefs and values and focuses on Aboriginal and Torres Strait Islander health and Maori health Chapter 19 Resuscitation includes advanced life support, airway management and incorporates the 2010 Australian Resuscitation Council guidelines Chapter 37 People with disabilities provides assessment, examination and communication strategies for working with clients with intellectual and physical disabilities Section 5 focuses on examination and communication strategies for working with unique population groups, including the elderly, disabled, obstetric and paediatric patients Section 6 details major trauma assessment and management, blast injury, and trauma to specific body regions Essentials outline the main points addressed in each chapter Practice tips assist with communication skills, procedures and assessment Case studies supported by questions throughout Summaries and Key points, review questions, web links and references provide for consolidation and further research. Evolve resources include Power point slides, 30 additional Case studies, image bank, web links Three paramedic specific chapters (including scene assessment and management) The most-trusted resource for physiatry knowledge and techniques, Braddom's Physical Medicine and Rehabilitation remains an essential guide for the entire rehabilitation team. With proven science and comprehensive guidance, this medical reference book addresses a range of topics to offer every patient maximum pain relief and optimal return to function. In-depth coverage of the indications for and limitations of axial and peripheral joints through therapies enables mastery of these techniques. Optimize the use of ultrasound in diagnosis and treatment. A chapter covering PM&R in the international community serves to broaden your perspective in the field. Detailed illustrations allow you to gain a clear visual understanding of important concepts. New lead editor - Dr. David Cifu - was selected by Dr. Randall Braddom to retain a consistent and readable format. Additional new authors and editors provide a fresh perspective to this edition. Features comprehensive coverage of the

treatment of concussions and military amputees. Includes brand-new information on rehabilitating wounded military personnel, the latest injection techniques, speech/swallowing disorders, head injury rehabilitation, and the rehabilitation of chronic diseases. New chapters on pelvic floor disorders and sensory impairments keep you at the forefront of the field. Reader-friendly design features an updated table of contents and improved chapter approach for an enhanced user experience. Expert Consult eBook version included with purchase. This enhanced eBook experience gives access to the text, figures, over 2,500 references, 51 videos, and 750 self-assessment questions on a variety of devices. The definitive and essential source of reference for all laboratories involved in the analysis of human semen. *Frontiers in Offshore Geotechnics III* comprises the contributions presented at the Third International Symposium on *Frontiers in Offshore Geotechnics* (ISFOG, Oslo, Norway, 10-12 June 2015), organised by the Norwegian Geotechnical Institute (NGI). The papers address current and emerging geotechnical engineering challenges facing those working in off The alarmingly low health status of millions of people in many developing countries is now recognised as a major obstacle to the process of development. In response, increasing numbers of non-governmental organizations are championing the right to health of the disadvantaged, vulnerable and those living in poverty. The American Joint Committee on Cancer's Cancer Staging Manual is used by physicians throughout the world to diagnose cancer and determine the extent to which cancer has progressed. All of the TNM staging information included in this Sixth Edition is uniform between the AJCC (American Joint Committee on Cancer) and the UICC (International Union Against Cancer). In addition to the information found in the Handbook, the Manual provides standardized data forms for each anatomic site, which can be utilized as permanent patient records, enabling clinicians and cancer research scientists to maintain consistency in evaluating the efficacy of diagnosis and treatment. The CD-ROM packaged with each Manual contains printable copies of each of the book's 45 Staging Forms. *Hydropedology* is a microcosm for what is happening in Soil Science. Once a staid discipline found in schools of agriculture devoted to increasing crop yield, soil science is transforming itself into an interdisciplinary mulch with great significance not only for food production but also climate change, ecology, preservation of natural resources, forestry, and carbon sequestration. *Hydropedology* brings together pedology (soil characteristics) with hydrology (movement of water) to understand and achieve the goals now associated with modern soil science. The first book of its kind in the market Highly interdisciplinary, involving new thinking and synergistic approaches Stimulating case studies demonstrate the need for *hydropedology* in various practical applications Future directions and new approaches are present to advance this emerging interdisciplinary science Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. *Cochrane Reviews* respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in *The Cochrane Library* (www.thecochranelibrary.com). *The Cochrane Handbook for Systematic Reviews of Interventions* contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves. Sweetpotato and potato are expanding faster than any other food crops in sub-Saharan Africa. There is growing investment in research to address bottlenecks in value chains concerning these two crops, and growing interest from the private sector in investing in them. This book addresses five major themes on sweetpotato and potato: policies for germplasm exchange, food security and trade in Africa; seed systems; breeding and disease management; post-harvest management, processing technologies and marketing systems; nutritional value and changing behaviours. *Cancer Management in Small Animal Practice* provides you with all the tools needed to diagnose, stage, and manage the many different disease entities known as "cancer." This manual is designed to provide you with easy-to-access, clinically relevant details for complete care of the small animal cancer patient, while considering the needs, concerns, and capabilities of the client. It provides quick reference sections for information not included in current oncology texts, including drug interactions and resources for participation in clinical trials. All information is well referenced and the reference section on the accompanying website includes links to the original and related articles. The latest information including diagnostic procedures, treatment modalities, and outcome predictions

to help clients make the best decisions for their pets. Expert contributors, renowned for clinical, as well as academic and research expertise, offer a wide breadth and depth of expertise. Full-color format provides accurate visual depictions of specific diseases and procedures to enhance your diagnostic capabilities. Key Points highlight critical information, enabling quick, easy access. Systems approach to diagnosis and management offers logical, systematic, head-to-tail procedure for accurate diagnosis, treatment, and prognosis. Extensive discussions of supportive care limit adverse events and increase patient survival and puts emergency information at the practitioner's fingertips. Suggested readings highlight the latest information for further investigation and research. Comprehensive drug safety guidelines thoroughly discuss all information required to safely handle and administer cancer drugs. Helpful drug formularies offer available formulations, recommended dosages, toxicities, and relative costs. Chapter on how to access clinical trials provides helpful information and hope for patients and their caregivers. The book contains Manual to the Building Regulations for practice in United Kingdom This book offers a timely snapshot of research and developments in the area of air traffic engineering and management. It covers mathematical, modeling, reliability and optimization methods applied for improving different stages of flight operations, including both aerodrome and terminal airspace operations. It analyses and highlights important legal and safety aspects, and discusses timely issues such as those concerned with Brexit and the use of unmanned aerial vehicles. Gathering selected papers presented at the 6th edition of the International Scientific Conference on Air Traffic Engineering, ATE 2020, held in October 2020 in Warsaw, Poland, this book offers a timely and inspiring source of information for both researchers and professionals in the field of air traffic engineering and management. This volume includes a selection of papers presented at the IAG international symposium "Gravity, Geoid and Height Systems 2012" (GGHS2012), which was organized by IAG Commission 2 " Gravity Field " with the assistance of the International Gravity Field Service (IGFS) and GGOS Theme 1 " Unified Global Height System " . The book summarizes the latest results on gravimetry and gravity networks, global gravity field modeling and applications, future gravity field missions. It provides a detailed compilation on advances in precise local and regional high-resolution geoid modeling, the establishment and unification of vertical reference systems, contributions to gravity field and mass transport modeling as well as articles on the gravity field of planetary bodies. This is the first book to introduce the new statistics - effect sizes, confidence intervals, and meta-analysis - in an accessible way. It is chock full of practical examples and tips on how to analyze and report research results using these techniques. The book is invaluable to readers interested in meeting the new APA Publication Manual guidelines by adopting the new statistics - which are more informative than null hypothesis significance testing, and becoming widely used in many disciplines. Accompanying the book is the Exploratory Software for Confidence Intervals (ESCI) package, free software that runs under Excel and is accessible at www.thenewstatistics.com. The book's exercises use ESCI's simulations, which are highly visual and interactive, to engage users and encourage exploration. Working with the simulations strengthens understanding of key statistical ideas. There are also many examples, and detailed guidance to show readers how to analyze their own data using the new statistics, and practical strategies for interpreting the results. A particular strength of the book is its explanation of meta-analysis, using simple diagrams and examples. Understanding meta-analysis is increasingly important, even at undergraduate levels, because medicine, psychology and many other disciplines now use meta-analysis to assemble the evidence needed for evidence-based practice. The book's pedagogical program, built on cognitive science principles, reinforces learning: Boxes provide "evidence-based" advice on the most effective statistical techniques. Numerous examples reinforce learning, and show that many disciplines are using the new statistics. Graphs are tied in with ESCI to make important concepts vividly clear and memorable. Opening overviews and end of chapter take-home messages summarize key points. Exercises encourage exploration, deep understanding, and practical applications. This highly accessible book is intended as the core text for any course that emphasizes the new statistics, or as a supplementary text for graduate and/or advanced undergraduate courses in statistics and research methods in departments of psychology, education, human development, nursing, and natural, social, and life sciences. Researchers and practitioners interested in understanding the new statistics, and future published research, will also appreciate this book. A basic familiarity with introductory statistics is assumed. Unlike other textbooks on this subject, which are more focused on end of life, the 4th edition of Principles and Practice of Palliative Care and Supportive Oncology focuses on supportive oncology. In fact, the goal of this textbook is to provide a source of both help and inspiration to all those who care for patients with cancer. Written in a more reader-friendly format, this textbook not only offers authoritative and up-to-date reviews of research and clinical care best practices, but also practical clinical applications to help readers put everything

they learn to use. This book constitutes the refereed proceedings of the 4th International Conference on Social Robotics, ICSR 2012, held in Chengdu, China, in October 2012. The 66 revised full papers were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on affective and cognitive sciences for socially interactive robots, situated interaction and embodiment, robots to assist the elderly and persons with disabilities, social acceptance of robots and their impact to the society, artificial empathy, HRI through non-verbal communication and control, social telepresence robots, embodiments and networks, interaction and collaboration among robots, humans and environment, human augmentation, rehabilitation, and medical robots I and II.

Ethnoecology has blossomed in recent years into an important science because of the realization that the vast body of knowledge contained in both indigenous and folk cultures is being rapidly lost as natural ecosystems and cultures are being destroyed by the encroachment of development. Ethnobotany and ethnozoology both began largely with direct observations about the ways in which people used plants and animals and consisted mainly of the compilation of lists. Recently, these subjects have adopted a much more scientific and quantitative methodology and have studied the ways in which people manage their environment and, as a consequence, have used a much more ecological approach. This manual of ethnobotanical methodology will become an essential tool for all ethnobiologists and ethnoecologists. It fills a significant gap in the literature and I only wish it had been available some years previously so that I could have given it to many of my students. I shall certainly recommend it to any future students who are interested in ethnoecology. I particularly like the sympathetic approach to local peoples which pervades this book. It is one which encourages the ethnobotanical work by both the local people themselves and by academically trained researchers. A study of this book will avoid many of the arrogant approaches of the past and encourage a fair deal for any group which is being studied. This manual promotes both the involvement of local people and the return to them of knowledge which has been studied by outsiders.

Piping and Pipeline Calculations Manual, Second Edition provides engineers and designers with a quick reference guide to calculations, codes, and standards applicable to piping systems. The book considers in one handy reference the multitude of pipes, flanges, supports, gaskets, bolts, valves, strainers, flexibles, and expansion joints that make up these often complex systems. It uses hundreds of calculations and examples based on the author's 40 years of experiences as both an engineer and instructor. Each example demonstrates how the code and standard has been correctly and incorrectly applied. Aside from advising on the intent of codes and standards, the book provides advice on compliance. Readers will come away with a clear understanding of how piping systems fail and what the code requires the designer, manufacturer, fabricator, supplier, erector, examiner, inspector, and owner to do to prevent such failures. The book enhances participants' understanding and application of the spirit of the code or standard and form a plan for compliance. The book covers American Water Works Association standards where they are applicable. Updates to major codes and standards such as ASME B31.1 and B31.12 New methods for calculating stress intensification factor (SIF) and seismic activities Risk-based analysis based on API 579, and B31-G Covers the Pipeline Safety Act and the creation of PhMSA

The Practice of Interventional Radiology, by Dr. Karim Valji, presents a comprehensive approach to help you master the latest techniques. Online case studies teach you a wide range of interventional techniques, such as chemoembolization of tumors, venous access, angioplasty and stenting, and much more. With coverage of neurointerventional procedures, image-guided non-vascular and vascular procedures, and interventional oncologic procedures - plus access to the full text, case studies, images, and videos online at www.expertconsult.com - you'll have everything you need to offer more patients a safer alternative to open surgery. Presents the entire spectrum of vascular and nonvascular image-guided interventional procedures in a rigorous but practical, concise, and balanced fashion. Stay current on the latest developments in interventional radiology including neurointerventional procedures, image-guided non-vascular and vascular procedures, and interventional oncologic procedures. Learn the tenets of disease pathology, patient care, techniques and expected outcomes, and the relative merits of various treatment modalities. Find everything you need quickly and easily with consistent chapters that include patient cases, normal and variant anatomy, techniques, and complications. Master procedures and recognize diseases through over 100 case studies available online, which include images and interactive Q&A to test your knowledge; Online videos that demonstrate basic and expert-level interventional techniques. Access the fully searchable text at www.expertconsult.com, along with over 100 cases, 1500 corresponding images, and videos. The only book featuring nursing care plans for all core clinical areas, Swearingen's All-In-One Nursing Care Planning Resource, 4th Edition provides 100 care plans with the nursing diagnoses and interventions you need to know to care for patients in all settings. It includes care plans for medical-surgical, maternity/OB, pediatrics, and psychiatric-mental

health, so you can use just one book throughout your entire nursing curriculum. This edition includes a new care plan addressing normal labor and birth, a new full-color design, new QSEN safety icons, new quick-reference color tabs, and updates reflecting the latest NANDA-I nursing diagnoses and collaborative problems. Edited by nursing expert Pamela L. Swearingen, this book is known for its clear approach, easy-to-use format, and straightforward rationales. NANDA-I nursing diagnoses are incorporated throughout the text to keep you current with NANDA-I terminology and the latest diagnoses. Color-coded sections for medical-surgical, maternity, pediatric, and psychiatric-mental health nursing care plans make it easier to find information quickly. A consistent format for each care plan allows faster lookup of topics, with headings for Overview/Pathophysiology, Health Care Setting, Assessment, Diagnostic Tests, Nursing Diagnoses, Desired Outcomes, Interventions with Rationales, and Patient-Family Teaching and Discharge Planning. Prioritized nursing diagnoses are listed in order of importance and physiologic patient needs. A two-column format for nursing assessments/interventions and rationales makes it easier to scan information. Detailed rationales for each nursing intervention help you to apply concepts to specific patient situations in clinical practice. Outcome criteria with specific timelines help you to set realistic goals for nursing outcomes and provide quality, cost-effective care. NEW! Care plan for normal labor and birth addresses nursing care for the client experiencing normal labor and delivery. UPDATED content is written by practicing clinicians and covers the latest clinical developments, new pharmacologic treatments, patient safety considerations, and evidence-based practice guidelines. NEW full-color design makes the text more user friendly, and includes NEW color-coded tabs and improved cross-referencing and navigation aids for faster lookup of information. NEW! Leaf icon highlights coverage of complementary and alternative therapies including information on over-the-counter herbal and other therapies and how these can interact with conventional medications.

"This book is an authoritative, practical guide to designing resistance training programs for soccer. It provides principles of resistance training, exercise descriptions, program design guidelines, and sample programs"--

Herbicides are much more than just weed killers. They may exhibit beneficial or adverse effects on other organisms. Given their toxicological, environmental but also agricultural relevance, herbicides are an interesting field of activity not only for scientists working in the field of agriculture. It seems that the investigation of herbicide-induced effects on weeds, crop plants, ecosystems, microorganisms, and higher organism requires a multidisciplinary approach. Some important aspects regarding the multisided impacts of herbicides on the living world are highlighted in this book. I am sure that the readers will find a lot of helpful information, even if they are only slightly interested in the topic. This updated and expanded edition developed by the Blood and Marrow Stem Cell Transplant team at Oregon Health & Science University Knight Cancer Institute features the latest medical management guidelines and standards of care for hematopoietic stem cell transplant patients. Spanning the timeline from the initial consultation throughout the transplant process, this handbook includes indications for transplantation and donor selection, treatment guidelines for addressing complications during and after transplant, and recommendations for long-term follow up care. Concise, comprehensive, and easy-to-use, Blood and Marrow Transplant Handbook, 2nd Edition presents a multidisciplinary approach to information for physicians and advanced practice medical providers who care for transplant patients, and also residents, fellows, and other trainees. Oncology research and practice in lung cancer continues to develop rapidly. This latest edition of Lung Cancer Therapy Annual briefs the oncology community with a review of the recent literature, emphasizing the therapeutic aspects. It offers an update of the impact that this information will have on the day-to-day management of the lung cancer patient. New to the Seventh Edition: An update of the impact of recent developments will have on day-to-day management of lung cancer patients Four new chapters on the treatment of non-small cell lung cancer (NSCLC) A new chapter on thymoma Additional topics include: Oncogenic driver mutations First line therapy of advanced non-small cell lung cancer without activating EGFR mutation Second line therapy of non-small cell lung cancer Adjunct and neoadjunct therapy of non-small cell lung cancer Advances in surgery of lung cancer; advances in radiotherapy of lung cancer Mesothelioma Thymic tumors Nutrition in the Prevention and Treatment of Abdominal Obesity focuses on the important roles that exercise, dietary changes, and foods play in promoting as well as reducing visceral fat. Nutritionists, dieticians, and healthcare providers seeking to address the abdominal obesity epidemic will use this comprehensive resource as a tool in their long-term goal of preventing chronic diseases, especially heart, vascular, and diabetic diseases. Experts from a broad range of disciplines are involved in dealing with the consequences of excessive abdominal fat: cardiology, diabetes research, studies of lipids, endocrinology and metabolism, nutrition, obesity, and exercise physiology. They have contributed chapters that define a range of dietary approaches to reducing risk and associated chronic diseases. They begin by defining visceral obesity

and its major outcomes; they also discuss the importance and the challenges of dietary approaches to reduce abdominal obesity, as compared to clinical approaches, with major costs and risks. Offers detailed, well-documented reviews outlining the various dietary approaches to visceral obesity with their benefits and failures Includes chapters on types of foods, exercise, and supplements in reducing obesity and its chronic clinical companions, especially diabetes and cardiovascular disease Helps nutritionists, dieticians, and healthcare providers approach patients in making decision about nutritional therapies and clinical treatments for abdominal obesity, from an evidence-based perspective For many years, the need to develop valid tools to evaluate signs and symptoms of Parkinson Disease (PD) has been present. However the understanding of all intricacies of rating scales development was not widely available and the first attempts were relatively crude. In 2002, the Movement Disorders Society created a task force to systemize the measurement of Parkinson's Disease. Since then, the Task Force has produced and published several critiques to the available rating scales addressing both motor and non-motor domains of Parkinson Disease. Additionally the task force initiated a project to develop a new version of the UPDRS, the MDS-UPDRS. But none of this was made available in one convenient source. Until now. Rating Scales in Parkinson's Disease is written for researchers from the medical and social sciences, and for health professionals wishing to evaluate the progress of their patients suffering from Parkinson Disease. The book is both exhaustive in the description of the scales and informative on the advantages and limitations of each scale. As such, the text clearly guides readers on how to choose and use the instruments available. Extensive cross-referenced tables and charts closely integrate the parts of the book to facilitate readers in moving from one symptom domain to another. Get a complete look into modern traffic engineering solutions Traffic Engineering Handbook, Seventh Edition is a newly revised text that builds upon the reputation as the go-to source of essential traffic engineering solutions that this book has maintained for the past 70 years. The updated content reflects changes in key industry standards, and shines a spotlight on the needs of all users, the design of context-sensitive roadways, and the development of more sustainable transportation solutions. Additionally, this resource features a new organizational structure that promotes a more functionally-driven, multimodal approach to planning, designing, and implementing transportation solutions. A branch of civil engineering, traffic engineering concerns the safe and efficient movement of people and goods along roadways. Traffic flow, road geometry, sidewalks, crosswalks, cycle facilities, shared lane markings, traffic signs, traffic lights, and more—all of these elements must be considered when designing public and private sector transportation solutions. Explore the fundamental concepts of traffic engineering as they relate to operation, design, and management Access updated content that reflects changes in key industry-leading resources, such as the Highway Capacity Manual (HCM), Manual on Uniform Traffic Control Devices (MUTCD), AASHTO Policy on Geometric Design, Highway Safety Manual (HSM), and Americans with Disabilities Act Understand the current state of the traffic engineering field Leverage revised information that homes in on the key topics most relevant to traffic engineering in today's world, such as context-sensitive roadways and sustainable transportation solutions Traffic Engineering Handbook, Seventh Edition is an essential text for public and private sector transportation practitioners, transportation decision makers, public officials, and even upper-level undergraduate and graduate students who are studying transportation engineering. The SPSS Survival Manual throws a lifeline to students and researchers grappling with this powerful data analysis software. In her bestselling guide, Julie Pallant takes you through the entire research process, helping you choose the right data analysis technique for your project. This edition has been updated to include up to SPSS version 26. From the formulation of research questions, to the design of the study and analysis of data, to reporting the results, Julie discusses basic and advanced statistical techniques. She outlines each technique clearly, with step-by-step procedures for performing the analysis, a detailed guide to interpreting data output and an example of how to present the results in a report. For both beginners and experienced users in Psychology, Sociology, Health Sciences, Medicine, Education, Business and related disciplines, the SPSS Survival Manual is an essential text. It is illustrated throughout with screen grabs, examples of output and tips, and is also further supported by a website with sample data and guidelines on report writing. This seventh edition is fully revised and updated to accommodate changes to IBM SPSS procedures. Primary Care Sleep Medicine – A Practical Guide was among the first books to address sleep medicine for a primary care audience. It remains the primary text oriented to the primary care physician with an interest in sleep disorders medicine. Since this title published, there have been many changes in the sleep field. A new text oriented towards supporting the primary care physician in the practice of sleep medicine is needed; an updated second edition of Primary Care Sleep Medicine – A Practical Guide could fill this knowledge gap. This second edition will include updated information on insomnia medications, post-traumatic stress disorders, home

sleep testing protocols, complex sleep apnea and the defined role for primary care physicians in sleep medicine. The effects of human-caused global warming are obvious, requiring new strategies and approaches. The concept of business-as-usual is now no longer beneficial. Extraction of renewable energy in marine environments represents a viable solution and an important path for the future. These huge renewable energy resources in seas and oceans can be harvested, including wind, tide, and waves. Despite the initial difficulties related mostly to the elevated operational risks in the harsh marine environment, newly developed technologies are economically effective or promising. Simultaneously, many challenges remain to be faced. These are the main issues targeted by the present book, which is associated with the Special Issue of Energies Journal entitled “ Renewable Energy in Marine Environment ” . Papers on innovative technical developments, reviews, case studies, and analytics, as well as assessments, and papers from different disciplines that are relevant to the topic are included. From this perspective, we hope that the results presented are of interest to for scientists and those in related fields such as energy and marine environments, as well as for a wider audience. Selected, peer reviewed papers from the 2012 International Conference on Environmental and Materials Engineering (EME 2012), December 9-10, 2012, Seoul, Korea

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