

A Practical Guide To Advanced Networking Ebook

Cirrhosis: a practical guide to management provides gastroenterologists and hepatologists with an up–to–date clinical guide presenting the very best evidence–based practice in the diagnosis, treatment and management of liver cirrhosis and its many complications. Designed to offer practical guidance at all times, it provides doctors with an extremely useful tool in the clinical setting, with each chapter featuring diagnostic/management algorithms, key points and other pedagogic features. Divided into 2 parts, a diagnosis and pathophysiology section and a management of complications section, key topics include: – Diagnostic laboratory tests – Diagnostic imaging modalities – Acute–on chronic liver failure – Agents and drugs to avoid – End stage liver failure: liver transplant evaluation – Hepatocellular carcinoma Aimed at the specialist, as well as the practicing trainee at the top–end of specialty training, the emphasis throughout is on providing optimum clinical management guidance most relevant to practicing hepatologists and gastroenterologists, and is an invaluable guide to this increasingly common condition.

In recent years there has been a huge rise in interdisciplinary and multidisciplinary research in animal sciences which has accelerated improvements in animal welfare. Down to earth and practical, this book gives guidance on how cross-disciplinary research can advance animal welfare. The aim of the book is to help researchers and graduate animal science students to understand how to advance animal welfare through the integration of disciplines.

Advanced English grammarA Practical Guide to Advanced NetworkingPearson Education

Blood Cells has been written with both the practising haematologist and the trainee in mind. It aims to provide a guide for use in the diagnostic haematology laboratory, covering methods of collection of blood specimens, blood film preparation and staining, the principles of manual and automated blood counts and the assessment of the morphological features of blood cells. The practising haematologist should find this book sufficiently comprehensive to be a reference source while, at the same time, the trainee haematologist and biomedical scientist should find it a straightforward and practical bench manual. Enables both the haematologist and laboratory scientist to identify blood cell features, from the most common to the more obscure Provides essential information on methods of collection, blood film preparation and staining, together with the principles of manual and automated blood counts Completely revised and updated, incorporating much newly published information: now includes advice on further tests when a specific diagnosis is suspected Four hundred high quality photographs to aid with blood cell identification Highlights the purpose and clinical relevance of haematology laboratory tests throughout

A Practical Guide to Needs Assessment

Advanced Brain Neuroimaging Topics in Health and Disease

A Practical Guide to Mastering Excel

Mastering EOS

A Practical Guide

A Practical Guide to Cluster Randomised Trials in Health Services Research

Optical microscopy is used in a vast range of applications ranging from materials engineering to in vivo observations and clinical diagnosis, and thanks to the latest advances in technology, there has been a rapid growth in the number of methods available. This book is aimed at providing users with a practical guide to help them select, and then use, the most suitable method for their application. It explores the principles behind the different forms of optical microscopy, without the use of complex maths, to provide an understanding to help the reader utilise a specific method and then interpret the results. Detailed physics is provided in boxed sections, which can be bypassed by the non-specialist. It is an invaluable tool for use within research groups and laboratories in the life and physical sciences, acting as a first source for practical information to guide less experienced users (or those new to a particular methodology) on the range of techniques available. Features: The first book to cover all current optical microscopy methods for practical applications Written to be understood by a non-optical expert with inserts to provide the physical science background Brings together conventional widefield and confocal microscopy, with advanced non-linear and super resolution methods, in one book

This book is a practical guide to the diagnosis and management of vulval disorders. It offers guidance for all those who are treating patients with vulval disease at trainee and specialist level, helping to improve management for the patient and prevent delays in diagnosis, including referrals to specialists. It contains key information about diagnosis, investigation and basic management, with a section on signs and symptoms guides the reader to the correct chapter for the treatment of that disease. The experienced authors include updated classification and terminology of vulval disease with an explanation of how this should be useful in clinical practice and guidance as to when the patient should be referred on to a specialist. As vulval diseases are different to those of the rest of the skin patients with vulval disease present a large unmet need, often with delays in diagnosis due to a lack of training from physicians. This practical guide provides the specialist knowledge required for diagnosis and treatment of these conditions.

*Can you imagine how much more you would accomplish if you had a photographic memory? Have you ever questioned why you can run into somebody and remember his or her name while run into another but cannot? How about why you cannot seem to remember where you place the car keys? Both of these questions and many others which may be lingering in your head will be answered in this book. Memory is an integral and critical part of our lives, how we interact, what we know and, therefore, who we are. There is no better time for memory improvement than in this digital age where everything is available on the web and virtually every answer you may want can be searched for on Google. Some have even questioned whether there is a need for memory improvement if we have Google, however, you must know that Google answers cannot beat the knowledge memorized in your brain. If you went to a quiz completion with your phone and competed against someone with mental knowledge and memory of the subjects, you will never beat them! By the end of this book you will: *Have a clear definition and a better understanding of memory. *You will know the memory creation process from encoding to retrieval. *You will have a deeper understanding of the stages and types of memory- What is short-term memory? What is sensory memory? When do memories become long-term? *The chapter on the importance of memory will help you understand open your eyes to the role of memory in your life. *Know why you forget and what causes you to forget. *What photographic memory is and the benefits *Why you should improve your memory. *The role of memory in learning, retention, and better performance. *Methods of developing a photographic memory. *Beginner techniques of memory improvement. *Advanced techniques of memory improvement. *The Memory Palace Method in depth. *Daily hacks for remembering anything. *Memory exercises and a lot more... Get your copy today!*

Organizations no longer just compete with local rivals. Better and faster communications and transportation mean that distant concerns can easily become local rivals. Also, new competitors are coming onstream all the time. In order to compete in this fast changing environment, your organization needs to become high performing. Have you ever found that people from different functional units in an organization seem to misunderstand each other? It can be challenging to align functional units, but cross-functional collaboration has never been more important than in contemporary business operations. It's vital that organizations adopt a cross-functional strategy if they are to prosper. All organizations are confronted by change, regardless of how big they are, how established they are, or what industry they're in. The business environment is forever changing, so organizations must be aware of this and be able to adapt when necessary. Those that adapt well to change will thrive. Those that don't will struggle. Your company probably employs a number of high performers. These are the people whose drive, energy, and creativity increase productivity and add value to your organization. As a manager, your high performers are your greatest asset. So you should make every effort to develop their potential and retain them in your organization.

Advanced Quantum Mechanics

A Practical Guide to Vulval Disease

A Practical Guide to Management

Diagnostic Electron Microscopy

Developing Intelligent Agent Systems

A Practical Guide for Informationists

Surrogate models expedite the search for promising designs by standing in for expensive design evaluations or simulations. They provide a global model of some metric of a design (such as weight, aerodynamic drag, cost, etc.), which can be used in engineering design. Engineering Design via Surrogate Modelling is a self-contained guide to surrogate models and their use in engineering design. The fundamentals of building, selecting, validating, searching and refining a surrogate are presented in a manner a Figures are used liberally to explain the key concepts and clearly show the differences between the various techniques, as well as to emphasize the intuitive nature of the conceptual and mathematical reasoning behind them. More advanced concepts are presented in stand-alone chapters, allowing the reader to concentrate on material pertinent to their current design problem, and concepts are clearly demonstrated using simple design problems. This collection of advanced concepts (visualisation with noisy data, gradient-enhanced modelling, multi-fidelity analysis and multiple objectives) represents an invaluable reference manual for engineers and researchers active in the area. Engineering Design via Surrogate Modelling is completely self-contained, allowing the reader to apply all the techniques presented to their own design problems. By applying statistical modelling to engineering design, this book bridges the wide gap between the engineering and statistics communities. It will appeal to a wide range of users across the academic engineering design community as well as practising design engineers. Provides an inclusive and practical guide to using surrogates in engineering design. Presents the fundamentals of building, selecting, validating, searching and refining a surrogate model. Guides the reader through the practical implementation of a surrogate-based design process using a set of case studies from real engineering design challenges. Accompanied by a companion website featuring Matlab software at h **urrogate Modelling** Written at an introductory level, and featuring engaging case examples, this book reviews the theory and practice of personal and egocentric network research. This approach offers powerful tools for capturing the impact of overlapping, overlapping, contexts on individuals' attitudes and behavior. The authors provide solid guidance on the formulation of research questions; research design; data collection, including decisions about survey modes and sampling frames; the measurement of network structure, including the use of name generators; and statistical modeling, from basic regression techniques to more advanced multilevel and dynamic models. Ethical issues in personal network research are addressed. User-friendly features include: • Detailed studies, end-of-chapter suggestions for further reading, and an appendix describing the main software programs used in the field.

Thinking of migrating to PostgreSQL? This updated guide helps you quickly understand and use the 9.3 release of this open source database system. You'll not only learn about its unique enterprise-class features, but also discover that PostgreSQL is a system—it's also an impressive application platform. Using numerous examples, this book shows you how to achieve tasks that are difficult or impossible in other databases. The second edition covers LATERAL queries, augmented JSON support, and other key topics. If you're an existing PostgreSQL user, you'll pick up gems you may have missed along the way. Learn basic administration tasks, such as role management, database creation, backup, and restore Apply the psql command-line utility to database administration tool Explore PostgreSQL tables, constraints, and indexes Learn powerful SQL constructs not generally found in other databases Use several different languages to write database functions Tune your queries to run as fast as possible external and variegated data sources with Foreign Data Wrappers Learn how to replicate data, using built-in replication features

A Practical Guide for Informationists: Supporting Research and Clinical Practice guides new informationists to a successful career, giving them a pathway to this savvy, more technically advanced, domain-focused role in modern day information science. The book's broad scope serves as an invaluable toolkit for healthcare professionals, researchers and graduate students in information management, library and information science, data management, informatics, etc. Furthermore, it is also ideal for medical reference services/medical informatics in MLIS programs. Offer examples (e.g. case studies) of ways of delivering information services to end users Includes recommendations, evidence and worksheets/take-aways/templates to be used

Aimed at the broad area of healthcare and research libraries

Supporting Research and Clinical Practice

Cirrhosis

PostgreSQL: Up and Running

Advanced Management Competencies

Practical Guide for Beginners and Advanced

Advanced Elasticsearch 7.0

Master the intricacies of Elasticsearch 7.0 and use it to create flexible and scalable search solutions Key Features Master the latest distributed search and analytics capabilities of Elasticsearch 7.0 Perform searching, indexing, and aggregation of your data at scale Discover tips and techniques for speeding up your search query performance Book Description Building enterprise-grade distributed applications and executing systematic search operations call for a strong understanding of Elasticsearch and expertise in using its core APIs and latest features. This book will help you master the advanced functionalities of Elasticsearch and understand how you can develop a sophisticated, real-time search engine confidently. In addition to this, you'll also learn to run machine learning jobs in Elasticsearch to speed up routine tasks. You'll get started by learning to use Elasticsearch features on Hadoop and Spark and make search results faster, thereby improving the speed of query results and enhancing the customer experience. You'll then get up to speed with performing analytics by building a metrics pipeline, defining queries, and using Kibana for intuitive visualizations that help provide decision-makers with better insights. The book will later guide you through using Logstash with examples to collect, parse, and enrich logs before indexing them in Elasticsearch. By the end of this book, you will have comprehensive knowledge of advanced topics such as Apache Spark support, machine learning using Elasticsearch and scikit-learn, and real-time analytics, along with the expertise you need to increase business productivity, perform analytics, and get the very best out of Elasticsearch. What you will learn Pre-process documents before indexing in ingest pipelines Learn how to model your data in the real world Get to grips with using Elasticsearch for exploratory data analysis Understand how to build analytics and RESTful services Use Kibana, Logstash, and Beats for dashboard applications Get up to speed with Spark and Elasticsearch for real-time analytics Explore the basics of Spring Data Elasticsearch, and understand how to index, search, and query in a Spring application Who this book is for This book is for Elasticsearch developers and data engineers who want to take their basic knowledge of Elasticsearch to the next level and use it to build enterprise-grade distributed search applications. Prior experience of working with Elasticsearch will be useful to get the most out of this book.

HELPS YOU DEVELOP AND ASSESS PEDIGREES TO MAKE DIAGNOSES, EVALUATE RISK, AND COUNSEL PATIENTS The Second Edition of The Practical Guide to the Genetic Family History not only shows how to take a medical-family history and record a pedigree, but also explains why each bit of information gathered is important. It provides essential support in diagnosing conditions with a genetic component. Moreover, it aids in recommending genetic testing, referring patients for genetic counseling, determining patterns of inheritance, calculating risk of disease, making decisions for medical management and surveillance, and informing and educating patients. Based on the author's twenty-five years as a genetic counselor, the book also helps readers deal with the psychological, social, cultural, and ethical problems that arise in gathering a medical-family history and sharing findings with patients. Featuring a new Foreword by Arno Motulsky, widely recognized as the founder of medical genetics, and completely updated to reflect the most recent findings in genetic medicine, this Second Edition presents the latest information and methods for preparing and assessing a pedigree, including: Value and utility of a thorough medical-family history Directed questions to ask when developing a medical-family history for specific disease conditions Use of pedigrees to identify individuals with an increased susceptibility to cancer Verification of family medical information Special considerations when adoptions or gamete donors are involved Ethical issues that may arise in recording a pedigree Throughout the book, clinical examples based on hypothetical families illustrate key concepts, helping readers understand how real issues present themselves and how they can be resolved. This book will enable all healthcare providers, including physicians, nurses, medical social workers, and physician assistants, as well as genetic counselors, to take full advantage of the pedigree as a primary tool for making a genetic risk assessment and providing counseling for patients and their families.

The spread of sophisticated computer packages and the machinery on which to run them has meant that procedures which were previously only available to experienced researchers with access to expensive machines and research students can now be carried out in a few seconds by almost every undergraduate. Understanding and Using Advanced Statistics provides the basis for gaining an understanding of what these analytic procedures do, when they should be used, and what the results provided signify. This comprehensive textbook guides students and researchers through the transition from simple statistics to more complex procedures with accessible language and illustration.

"Subject Areas/Keywords: child development, children, developmental psychology, developmental research methods, developmental science, early childhood, infancy research, infants, parents, preschoolers, research laboratory, research studies DESCRIPTION Addressing practical issues rarely covered in methods texts, this usefriendly, jargonfree book helps students and beginning researchers plan infant and child development studies and get them done. The author provides stepbystep guidance for getting involved in a developmental laboratory and crafting effective research questions and proposals. Tips on recruiting study participants cover access issues—such as how to overcome language and cultural barriers—and include helpful sample scripts. The book offers time management strategies, pointers for organizing and communicating data, and a roadmap of the journal publication process, complete with an annotated sample article. Numerous concrete examples, checklists, worksheets, and exercises are featured. Reproducible forms can be downloaded and printed in a convenient 8 1/2" x 11" size"--

Deepening Fiction

A Practical Guide to Advanced Networking

A Practical Guide and Advanced Techniques in Trading to High Probability of Profit. (Books 6 of 6)

A Practical Guide to Design for Additive Manufacturing

A Practical Guide to Designing, Indexing, and Querying Advanced Distributed Search Engines

Engineering Design via Surrogate Modelling

A section on the writing life includes candid discussions of writer's block, talent, habit, rejection, publication, and endurance to help aspiring professionals develop sustainable lives as writers."--Jacket.

55 % discount for bookstores ! Now At \$22.99 instead of \$ 35.63 \$ Your customers will never stop reading this guide !!! series 6 If you are new to trading, then you will need all the advice, tips and guidance necessary, in order to trade successfully. It is, however, first recommended that you understand a concept, apply it and master it then add more knowledge. This is a much better and more successful strategy. Here are some helpful tips and advice that should guide you as you trade online in options. This book will help you in your success path. Online trading is very convenient. With just a few clicks, people can easily participate in buying and selling stock activities online. In addition, the process of registering is very easy. You only have to find an online platform or an online broker to be able to start. This book will act as a systematic guide on how to start online trading. Buy it Now and let your customers get addicted to this amazing book !!

You'll read stories about other caregivers who face the same struggles.

A practical introduction to critical thinking across various disciplines Knowing how to think critically about what to believe and what to do is essential for success in both academic and professional environments. A Practical Guide to Critical Thinking introduces readers to the concepts, methods, and standards for thinking critically about reasons and arguments in virtually any area of practice. While most literature on critical thinking focuses on its formal applications within philosophy, this book offers a broad conception of critical thinking and explores its practical relevance to conducting research across a wide variety of disciplines, including business, education, and the biological sciences. While the book pursues an interdisciplinary approach to critical thinking, providing examples and illustrations from diverse subjects and fields of research, it also provides strategies to help readers identify the methods and standards that are characteristic of critical thinking in their chosen branches of learning, in their workplace, and in their own lives. The concept of an argument is extended beyond its philosophical roots to include experimentation, testing, measurement, policy development and assessment, and aesthetic appreciation as activities that require critical thinking. The logical, core concepts of critical thinking are presented in a rigorous yet informal way, with creative and practical strategies for defining, analyzing, and evaluating reasons and arguments wherever they are found. Each chapter ends with a "Mistakes to Avoid" section as well as a variety of exercises designed to help readers integrate and extend the chapter's lessons. A Practical Guide to Critical Thinking is an excellent book for courses on critical thinking and logic at the upper-undergraduate and graduate levels. It is also an appropriate reference for anyone with a general interest in critical thinking skills.

A Practical Guide for Intermediate and Advanced Writers

A Practical Guide to Critical Thinking

Advanced Excel Success

Bridging Research Disciplines to Advance Animal Welfare Science

The Practical Guide to the Genetic Family History

Guide to Advanced Empirical Software Engineering

Cluster randomised trials are trials in which groups (or clusters) of individuals are randomly allocated to different forms of treatment. In health care, these trials often compare different ways of managing a disease or promoting healthy living, in contrast to conventional randomised

trials which randomise individuals to different treatments, classically comparing new drugs with a placebo. They are increasingly common in health services research. This book addresses the statistical, practical, and ethical issues arising from allocating groups of individuals, or clusters, to different interventions. Key features: Guides readers through the stages of conducting a trial, from recruitment to reporting. Presents a wide range of examples with particular emphasis on trials in health services research and primary care, with both principles and techniques explained. Topics are specifically presented in the order in which investigators think about issues when they are designing a trial. Combines information on the latest developments in the field together with a practical guide to the design and implementation of cluster randomised trials. Explains principles and techniques through numerous examples including many from the authors own experience. Includes a wide range of references for those who wish to read further. This book is intended as a practical guide, written for researchers from the health professions including doctors, psychologists, and allied health professionals, as well as statisticians involved in the design, execution, analysis and reporting of cluster randomised trials. Those with a more general interest will find the plentiful examples illuminating. This book provides a wealth of practical guidance on how to design parts to gain the maximum benefit from what additive manufacturing (AM) can offer. It begins by describing the main AM technologies and their respective advantages and disadvantages. It then examines strategic considerations in the context of designing for additive manufacturing (DfAM), such as designing to avoid anisotropy, designing to minimize print time, and post-processing, before discussing the economics of AM. The following chapters dive deeper into computational tools for design analysis and the optimization of AM parts, part consolidation, and tooling applications. They are followed by an in-depth chapter on designing for polymer AM and applicable design guidelines, and a chapter on designing for metal AM and its corresponding design guidelines. These chapters also address health and safety, certification and quality aspects. A dedicated chapter covers the multiple post-processing methods for AM, offering the reader practical guidance on how to get their parts from the AM machine into a shape that is ready to use. The book's final chapter outlines future applications of AM. The main benefit of the book is its highly practical approach: it provides directly applicable, [hands-on] information and insights to help readers adopt AM in their industry

Build your own intelligent agent system... Intelligent agent technology is a tool of modern computer science that can be used to engineer complex computer programmes that behave rationally in dynamic and changing environments. Applications range from small programmes that intelligently search the Web buying and selling goods via electronic commerce, to autonomous space probes. This powerful technology is not widely used, however, as developing intelligent agent software requires high levels of training and skill. The authors of this book have developed and tested a methodology and tools for developing intelligent agent systems. With this methodology (Prometheus) developers can start agent-oriented designs and implementations easily from scratch saving valuable time and resources. Developing Intelligent Agent Systems not only answers the questions [what are agents?] and [why are they useful?] but also the crucial question: [how do I design and build intelligent agent systems?] The book covers everything a practitioner needs to know to begin to effectively use this technology - including an introduction to the notion of agents, a description of the concepts involved, and a software engineering methodology. Read on for: a practical step-by-step introduction to designing and building intelligent agent systems. a full life-cycle methodology for developing intelligent agent systems covering specification, analysis, design and implementation of agents. PDT: Prometheus Design Tool [software support for the Prometheus design process. the example of an electronic bookstore to illustrate the design process throughout the book. Electronic resources including the Prometheus Design Tool (PDT), can be found at: <http://www.cs.rmit.edu.au/agents/prometheus> This book is aimed at industrial software developers, software engineers and at advanced undergraduate students. It assumes knowledge of basic software engineering but does not require knowledge of Artificial Intelligence or of mathematics. Familiarity with Java will help in reading the examples in chapter 10.

This book guides medicinal chemists in how to implement early ADMET testing in their workflow in order to improve both the speed and efficiency of their efforts. Although many pharmaceutical companies have dedicated groups directly interfacing with drug discovery, the scientific principles and strategies are practiced in a variety of different ways. This book answers the need to regularize the drug discovery interface; it defines and reviews the field of ADME for medicinal chemists. In addition, the scientific principles and the tools utilized by ADME scientists in a discovery setting, as applied to medicinal chemistry and structure modification to improve drug-like properties of drug candidates, are examined.

A Practical Guide to Environmental Management Choices

Doing Developmental Research

Conducting Personal Network Research

A Practical Guide to Interpretation and Technique

On Performance, Cross-Functional Strategies and Change - a Practical Guide

An accessible introduction to advanced quantum theory, this textbook focuses on its practical applications and is ideal for graduate students in physics.

Master the intricacies of Elasticsearch 7.0 and use it to create flexible and scalable search solutions **Key Features**Master the latest distributed search and analytics capabilities of Elasticsearch 7.0Perform searching, indexing, and aggregation of your data at scaleDiscover tips and techniques for speeding up your search query performanceBook Description Building enterprise-grade distributed applications and executing systematic search operations call for a strong understanding of Elasticsearch and expertise in using its core APIs and latest features. This book will help you master the advanced functionalities of Elasticsearch and understand how you can develop a sophisticated, real-time search engine confidently. In addition to this, you'll also learn to run machine learning jobs in Elasticsearch to speed up routine tasks. You'll get started by learning to use Elasticsearch features on Hadoop and Spark and make search results faster, thereby improving the speed of query results and enhancing the customer experience. You'll then get up to speed with performing analytics by building a metrics pipeline, defining queries, and using Kibana for intuitive visualizations that help provide decision-makers with better insights. The book will later guide you through using Logstash with examples to collect, parse, and enrich logs before indexing them in Elasticsearch. By the end of this book, you will have comprehensive knowledge of advanced topics such as Apache Spark support, machine learning using Elasticsearch and scikit-learn, and real-time analytics, along with the expertise you need to increase business productivity, perform analytics, and get the very best out of Elasticsearch. What you will learnPre-process documents before indexing in ingest pipelinesLearn how to model your data in the real worldGet to grips with using Elasticsearch for exploratory data analysisUnderstand how to build analytics and RESTful servicesUse Kibana, Logstash, and Beats for dashboard applicationsGet up to speed with Spark and Elasticsearch for real-time analyticsExplore the basics of Spring Data Elasticsearch, and understand how to index, search, and query in a Spring applicationWho this book is for This book is for Elasticsearch developers and data engineers who want to take their basic knowledge of Elasticsearch to the next level and use it to build enterprise-grade distributed search applications. Prior experience of working with Elasticsearch will be useful to get the most out of this book.

A Guide to Practicing Medicine in Challenging Environments Wilderness and Rescue Medicine: A Practical Guide for the Basic and Advanced Practitioner provides the critical insight and tools required to practice medicine in remote or challenging environments. There is no place in field medicine for unreasonable restrictions on the practical application of medical judgment—that is the guiding philosophy of this user-friendly guide. Wilderness and Rescue Medicine: A Practical Guide for the Basic and Advanced Practitioner teaches readers how to improvise, adapt and exercise reasonable judgment at any level of medical training and in any difficult environment, from the desert to the oceans, from the backwoods to cities stricken by disaster. Grounded in the collective wisdom of hundreds of instructors, rescue personnel and medical practitioners, this text explores medical problems in a broad wilderness context—including cold injuries, altitude illness, diving and lightning injuries and toxins, among others—and pairs that exploration with the realities of solving such problems in the field, well outside the confines and comforts of mainstream medicine. Wilderness and Rescue Medicine: A Practical Guide for the Basic and Advanced Practitioner provides:

- The most up-to-date guidance on practicing medicine in a wilderness context
- An introduction to critical body systems and the general principals of trauma
- Specific information on environmental and backcountry medicine
- An examination of the medical role in search and rescue missions

The present book focuses on recent advances methods and applications in photovoltaic (PV) systems. The book is divided into two parts: the first part deals with some theoretical, simulation and experiments on solar cells, including efficiency improvement, new materials and behavior performances. While the second part of the book devoted mainly on the application of advanced methods in PV systems, including advanced control, FPGA implementation, output power forecasting based artificial intelligence technique (AI), high PV penetration, reconfigurable PV architectures and fault detection and diagnosis based AI. The authors of the book trying to show to readers more details about some theoretical methods and applications in solar cells and PV systems (eg. advanced algorithms for control, optimization, power forecasting, monitoring and fault diagnosis methods). The applications are mainly carried out in different laboratories and location around the world as projects (Algeria, KSA, Turkey, Morocco, Italy and France). The book will be addressed to scientists, academics, researchers and PhD students working in this topic. The book will help readers to understand some applications including control, forecasting, monitoring, fault diagnosis of photovoltaic plants, as well as in solar cells such as behavior performances and efficiency improvement. It could be also be used as a reference and help industry sectors interested by prototype development.

Photographic Memory: Your Complete and Practical Guide to Learn Faster, Increase Retention and Be More Productive with Beginners and Advanc

A Practical Guide for Students

Deciding What to Do and Believe

A Practical Guide for Advanced Methods in Solar Photovoltaic Systems

Acupuncture Energy in Health and Disease

ADMET for Medicinal Chemists

Inspired by the author's need for practical guidance in the processes of data analysis, A Practical Guide to Scientific Data Analysis has been written as a statistical companion for the working scientist.

This handbook of data analysis with worked examples focuses on the application of mathematical and statistical techniques and the interpretation of their results. Covering the most common statistical methods for examining and exploring relationships in data, the text includes extensive examples from a variety of scientific disciplines. The chapters are organised logically, from planning an experiment, through examining and displaying the data, to constructing quantitative models. Each chapter is intended to stand alone so that casual users can refer to the section that is most appropriate to their problem. Written by a highly qualified and internationally respected author this text: Presents statistics for the non-statistician Explains a variety of methods to extract information from data Describes the application of statistical methods to the design of "performance chemicals" Emphasises the application of statistical techniques and the interpretation of their results Of practical use to chemists, biochemists, pharmacists, biologists and researchers from many other scientific disciplines in both industry and academia.

The brain is the most complex computational device we know, consisting of highly interacting and redundant networks of areas, supporting specific brain functions. The rules by which these areas organize themselves to perform specific computations have only now started to be uncovered. Advances in non-invasive neuroimaging technologies have revolutionized our understanding of the functional anatomy of cortical circuits in health and disease states, which is the focus of this book. The first section of this book focuses on methodological issues, such as combining functional MRI technology with other brain imaging modalities. The second section examines the application of brain neuroimaging to understand cognitive, visual, auditory, motor and decision-making networks, as well as neurological diseases. The use of non-invasive neuroimaging technologies will continue to stimulate an exponential growth in understanding basic brain processes, largely as a result of sustained advances in neuroimaging methods and applications.

Diagnostic Electron Microscopy Diagnostic Electron Microscopy: A Practical Guide to Interpretation and Technique summarises the current interpretational applications of TEM in diagnostic pathology. This concise and accessible volume provides a working guide to the main, or most useful, applications of the technique including practical topics of concern to laboratory scientists, brief guides to traditional tissue and microbiological preparation techniques, microwave processing, digital imaging and measurement uncertainty. The text features both a screening and interpretational guide for TEM diagnostic applications and current TEM diagnostic tissue preparation methods pertinent to all clinical electron microscope units worldwide. Containing high-quality representative images, this up-to-date text includes detailed information on the most important diagnostic applications of transmission electron microscopy as well as instructions for specific tissues and current basic preparative techniques. The book is relevant to trainee pathologists and practising pathologists who are expected to understand and evaluate/screen tissues by TEM. In addition, technical and scientific staff involved in tissue preparation and diagnostic tissue evaluation/screening by TEM will find this text useful.

Prevention is the first line of defence in the fight againstinfection. As antibiotics and other antimicrobials encounterincreasing reports of microbial resistance, the field ofdecontamination science is undergoing a major revival. APractical Guide to Decontamination in Healthcare is acomprehensive training manual, providing practical guidance on allaspects of decontamination including: microbiology and infectioncontrol; regulations and standards; containment, transportation,handling, cleaning, disinfection and sterilization of patient useddevices; surgical instrumentation; endoscopes; and qualitymanagement systems. Written by highly experienced professionals, A PracticalGuide to Decontaminationin Healthcare comprises asystematic review of decontamination methods, with uses andadvantages outlined for each. Up-to-date regulations,standards and guidelines are incorporated throughout, to betterequip healthcare professionals with the information they need tomeet the technical and operational challenges of medicaldecontamination. A Practical Guide to Decontaminationin Healthcareis an important new volume on state-of-the-art decontaminationprocesses and a key reference source for all healthcareprofessionals working in infectious diseases, infectioncontrol/prevention and decontamination services.

A Practical Guide for Advanced Students

The Busy Caregiver's Guide to Advanced Alzheimer Disease

TRADING STRATEGIES

A Practical Guide to Decontamination in Healthcare

Diagnosis and Management

Advanced English grammar

A Practical Guide to Advanced Networking, Third Edition takes a pragmatic, hands-on approach to teaching advanced modern networking concepts from the network administrator's point of view. Thoroughly updated for the latest networking technologies and applications, the book guides you through designing, configuring, and managing campus networks, connecting networks to the Internet, and using the latest networking technologies. The authors first show how to solve key network design challenges, including data flow, selection of network media, IP allocation, subnetting, and configuration of both VLANs and Layer 3 routed networks. Next, they illuminate advanced routing techniques using RIP/RIPv2, OSPF, IS-IS, EIGRP, and other protocols, and show how to address common requirements such as static routing and route redistribution. You'll find thorough coverage of configuring IP-based network infrastructure, and using powerful WireShark and NetFlow tools to analyze and troubleshoot traffic. A full chapter on security introduces best practices for preventing DoS attacks, configuring access lists, and protecting routers, switches, VPNs, and wireless networks. This book's coverage also includes IPv6, Linux-based networking, Juniper routers, BGP Internet routing, and Voice over IP (VoIP). Every topic is introduced in clear, easy-to-understand language; key ideas are reinforced with working examples, and hands-on exercises based on powerful network simulation software. Key Pedagogical Features NET-CHALLENGE SIMULATION SOFTWARE provides hands-on experience with advanced router and switch commands, interface configuration, and protocols—now including RIPv2 and IS-IS WIRESHARK NETWORK PROTOCOL ANALYZER TECHNIQUES and EXAMPLES of advanced data traffic analysis throughout PROVEN TOOLS FOR MORE EFFECTIVE LEARNING, including chapter outlines and summaries WORKING EXAMPLES IN EVERY CHAPTER to reinforce key concepts and promote mastery KEY TERMS DEFINITIONS, LISTINGS, and EXTENSIVE GLOSSARY to help you master the language of networking QUESTIONS, PROBLEMS, and CRITICAL THINKING QUESTIONS to help you deepen your understanding CD-ROM includes Net-Challenge Simulation Software and the Wireshark Network Protocol Analyzer Software examples.

"This book is about the creative and messy process of making environmental management decisions. The approach we describe is called Structured Decision Making, a distinctly pragmatic label given to ways for helping individuals and groups think through tough multidimensional choices characterized by uncertain science, diverse stakeholders, and difficult tradeoffs. This is the everyday reality of environmental management, yet many important decisions currently are made on an ad hoc basis that lacks a solid value-based foundation, ignores key information, and results in selection of an inferior alternative. Making progress—in a way that is rigorous, inclusive, defensible, and transparent—requires combining analytical methods drawn from the decision sciences and applied ecology with deliberative insights from cognitive psychology, facilitation, and negotiation. We review key methods and discuss case-study examples based in our experiences in communities, boardrooms, and stakeholder meetings. Our goal is to lay out a compelling guide that will change how you think about making environmental decisions"–

Explore advanced skills in Excel and gain an amazing array of tricks and tools to increase your productivity. This book discusses new techniques such as power functions, chart tricks, and many more to master Excel. Advanced Excel Success starts with a few useful data tools in Excel followed by advanced formulas that will help you increase productivity. Here, you will learn power functions that aggregate, return ranges, and much more. Further, you will look at custom formatting tricks along with advanced charting tricks. These include automatically changing the color of key metrics, dynamically sorting chart data, and building creative labels. Next, you will understand the role of Power Query which is one of the most important upgrades in Excel. Power Query is the Microsoft Data Connectivity and Data Preparation technology that enables business users to seamlessly access data stored in hundreds of data sources and reshape it to fit their needs, with an easy-to-use, engaging, and no-code user experience. Finally, you will learn PowerPivot which is a distinct feature in Excel that goes beyond spreadsheets. After reading this book, you will be well equipped to work on Excel with its advanced features. You will: Work with the most useful data tools Understand formulas and the ten power functions Use advanced chart and formatting tricks and techniques for dynamic and effective visuals Work with power tools.

This book gathers chapters from some of the top international empirical software engineering researchers focusing on the practical knowledge necessary for conducting, reporting and using empirical methods in software engineering. Topics and features include guidance on how to design, conduct and report empirical studies. The volume also provides information across a range of techniques, methods and qualitative and quantitative issues to help build a toolkit applicable to the diverse software development contexts

Methods and Applications

Blood Cells

A Practical Guide to Scientific Data Analysis

A practical guide to designing, indexing, and querying advanced distributed search engines

Understanding and Using Advanced Statistics

Advanced Elasticsearch 7.0

This book is presented as a reference book for all those who use or will use the EOS blockchain, similar to what was done by the famous Mastering Bitcoin which has become over time the reference book for all those who work with the Bitcoin blockchain, moreover whereas there is currently no book on it both at European and international level, especially American, to consider also the origin and the profuse commitment of the author, in making a book suitable both for those who are not practical and are not accustomed to this world, taking it by the hand from the creation of the account to the management of the wallet, and also suitable for a developer from the bitter to the most experienced, showing all the passages related to the reference code that was inserted just to have an approach too more intimate with the same.The book covers almost all aspects of the EOS blockchain, starting right from its history and giving interesting and detailed information on how the project has evolved since its creation, giving an overview of the events that took place a few years earlier. Then move on to a first smattering fast and practical on how to create first and then use the EOS account real engine for all the various dApp from the simplest to the most complex ones, where without this information, nobody would be able to start operating under that profile, where with a clear presentation and with the relative images, step by step, show the various basic steps to perform the related procedures. Next we analyze the various aspects that distinguish this blockchain with respect to the others and how it is one of those that could cause a change important in this sector since it is constantly evolving, introducing previously unimaginable functions and goals from that point of view, also in this case looking for a first approach for inexperienced users and then for each topic to follow the example of the relevant code. In the second half of the book we move on to analyze everything at a professional level where the insiders, especially developers, or those who want to learn more, have all the tools they need in a single tool, in Italian, to be able to start operating and experimenting with this blockchain and provide them with the necessary and essential first level to eventually, eventually, progress in greater depth, given that currently the users of this blockchain exceed 70 thousand daily users. Finally the book concludes with an objective view of the various criticisms made of the relative blockchain, all more or less valid, showing how space is also left to the criticality that the same involves using them, significant criticalities but solvable in the long term and where also the author is helping to improve with his commitment and constant effort, leaving room for the reader for a personal evaluation of everything and to criticize constructively and objectively, as in this case, the creaking points of an extraordinary project.**Table of Content -> <https://docs.google.com/document/d/1VlKe5oeSSVn0pi4SiYIA09sl-1yBI19msuH1owWBsE/edit?usp=sharing>**

Wilderness and Rescue Medicine

Structured Decision Making

A Practical Guide to Optical Microscopy

Advanced English-Arabic Translation: A Practical Guide