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Physiological Control Systems Manual for Laboratory Diagnosis of Leptospirosis : One Health Approach
Practical Guide to Medical Student Assessment Principles and Techniques in Combinatorics
General Council's Report M(odified) E(ssay) Q(uestions) for Medicine Finals Advances in Human Factors, Ergonomics, and Safety in Manufacturing and Service Industries
Beyond Mahathir A Medical Teacher's Manual for Success A Really Practical Handbook of Children's Palliative Care
A Hebrew-English Reference Manual To The Hebrew Text Of The Old Testament. Based on the Leningrad Codex and Strong's Hebrew-English Lexicon
Manual of Security Sensitive Microbes and Toxins
Taikor Establishment and management of field genebank: A Training Manual, IPGRI-APO, Serdang
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Computer Aided and Integrated Manufacturing Systems
Evaluation of Novel Approaches to Software Engineering
Computer Aided and Integrated Manufacturing Systems

This book constitutes the refereed proceedings of the 14th International Conference on Evaluation of Novel Approaches to Software Engineering, ENASE 2019, held in Heraklion, Crete, Greece, in May 2019. The 19 revised

full papers presented were carefully reviewed and selected from 102 submissions. The papers included in this book contribute to the understanding of relevant trends of current research on novel approaches to software engineering for the development and maintenance of systems and applications, specifically with relation to: model-driven software engineering, requirements engineering, empirical software engineering, service-oriented software engineering, business process management and engineering, knowledge management and engineering, reverse software engineering, software process improvement, software change and configuration management, software metrics, software patterns and refactoring, application integration, software architecture, cloud computing, and formal methods. This book unifies the most important geometries used to develop analytical solutions for hydrodynamic boundary value problems.

A Really Practical Handbook of Children's Palliative Care for Doctors and Nurses
Anywhere in the World offers really practical solutions to common problems faced by health professionals caring for dying children and their families, whatever their culture

Innovative and practical, A Medical Teacher's Manual for Success is an essential resource for medical school faculty members who want to teach well. A guide to common control principles and how they are used to characterize a variety of physiological mechanisms

The second edition of **Physiological Control Systems** offers an updated and comprehensive resource that reviews the fundamental concepts of classical control theory and how engineering methodology can be applied to obtain a quantitative understanding of physiological systems. The revised text also contains more advanced topics that feature applications to physiology of nonlinear dynamics, parameter estimation methods, and adaptive estimation and control. The author—a noted expert in the field—includes a wealth of worked examples that illustrate key concepts and methodology and offers in-depth analyses of selected physiological control models that highlight the topics presented. The author discusses the most noteworthy developments in system identification, optimal control, and nonlinear dynamical analysis and targets recent bioengineering advances. Designed to be a practical resource, the text includes guided experiments with simulation models (using Simulink/Matlab).

Physiological Control Systems focuses on common control principles that can be used to characterize a broad variety of physiological mechanisms. This revised resource: Offers new sections that explore identification of nonlinear and time-varying systems, and provide the background for understanding the link between continuous-time and discrete-time dynamic models

Presents helpful, hands-on experimentation with computer simulation models Contains fully updated problems and exercises at the end of each chapter

Written for biomedical engineering students and biomedical scientists,

Physiological Control Systems, offers an updated edition of this key resource for understanding classical control theory and its application to physiological systems. It also contains contemporary topics and methodologies that shape bioengineering research today. Beyond Mahathir is a timely response to the planned retirement in October 2003 of Prime Minister Dr. Mahathir Mohamad of Malaysia, and poses vital questions about "Malaysian politics after Mahathir." It examines Malaysia's long-term social transformation, the global disruptions of July 1997 and September 11, 2001, key leaders' calculations of power, and the pitfalls of leadership transition that intersected to produce the political dramas of Mahathir's final decade in power. Organizing arguments around the critical but unstable fortunes of a thirty-year nationalist-capitalist project, it brings to life Mahathir's predicaments, contradictions in Anwar Ibrahim's career, Reformasi's creative dissent, and the cultural imperative behind the Alternative Front's "rainbow coalition". The result is an instructive guide to the momentous events that ultimately revolved around competing conceptions of what the future portends or should portend for Malaysia, and the bitterly contested ways of getting there.

Leptospirosis is a zoonotic disease caused by the pathogenic *Leptospira* spp. In animals, the disease affects various species including livestock, wildlife and companion animals. The book assesses the dynamic relationship in the animal-human ecosystem for better management of the disease. One Health initiative is dedicated to improving the lives of all species, humans and animals.

Security sensitive microbes (viruses, bacteria, fungi, and parasites) and toxins, which are often referred to as the select agents and toxins, have the capacity to cause serious illness and death in humans, animals, and plants. Throughout history, these microbes and toxins have been exploited in one form or another as biowarfare and bioterror agents that create fear and panic well beyond any actual physical damages they might cause. Manual of Security Sensitive Microbes and Toxins provides comprehensive, state-of-the-art coverage of microbes and toxins of biosecurity concern. The ultimate goal is to increase our awareness of these agents and enhance our preparedness against any future bio-emergencies. The book begins with an introduction containing a brief overview of the historical aspects of security sensitive microbes and toxins. This is followed by a concise summary of the current status in relation to the regulation of security sensitive microbes and toxins and a discussion of future development trends. The book is divided into seven parts: Microbes and Toxins Affecting Humans and Animals: Viruses Microbes and Toxins Affecting Human and Animals: Bacteria Microbes and Toxins Affecting Human and Animals: Fungus and Parasite Microbes and Toxins Affecting Human and Animals: Toxins Microbes Affecting Animals: Viruses Microbes

Affecting Animals: Bacteria Microbes Affecting Plants Written by experts in the relevant areas of research, the chapters are authoritative reviews, each one covering a single microbe or toxin with respect to its classification, biology, epidemiology, pathogenesis, identification, diagnosis, treatment, and prevention. The chapters also discuss the limitations of our current knowledge and challenges relating to improved detection and control of the microbe or toxin. This practical guide provides a simple, useful reference to commonly raised questions about medical student assessment. The first part of the book provides succinct information on the general aspects of assessment such as purpose and principles of assessment; technical terms such as validity, reliability, and utility of assessment instruments; and how to choose assessment instruments for a given purpose. Individual assessment instruments are treated in the second part of the guide. The authors focus on about 20 selected assessment instruments currently in use or promising new instruments that are likely to get increased acceptance in future. For each instrument a general description is given, followed by discussion on its uses, limitations, psychometric characteristics, and recommendations for medical teachers. The reference section contains highly selective and well-researched resources, annotated and classified according to their usefulness. Many of these resources are available free on the Internet. Sample Chapter(s). Chapter 1: Assessment in Medical Education: An Overview (151 KB). Contents: Principles and Purpose of Assessment: Assessment in Medical Education: An Overview; Key Concepts in Assessment; Special Issues in Assessment in Clinical Medicine; Standard Setting; A Model for Assessment; Assessment of OCyKnowsOCO and OCyKnows HowOCO: Oral Examination/Viva; Long Essay Questions (LEQ); Short Answer Questions (SAQ); Multiple Choice Questions (MCQ); Extended Matching Items (EMI); Key Features Test (KF); Assessment of OCyShows HowOCO: Long Case; Short Case; Objective Structured Clinical Examination (OSCE); Assessment of OCyDoesOCO: Mini Clinical Evaluation Exercise (Mini-CEX); Direct Observation of Procedural Skills (DOPS); Clinical Work Sampling (CWS); Checklist; 360-Degree Evaluation; Logbook; Portfolio. Readership: Medical teachers and nursing, dental and para-clinical professionals." A comprehensive guide to painting in egg tempera. Topics include the history of egg tempera; how to make traditional, true gesso panels starting from scratch; essential supplies for a tempera studio; different methods of applying tempera paint; how to finish a tempera painting, including oil glazing on top; and much more. There is also a comprehensive material suppliers list, recommended reading list, and a pigment appendix. "One of the most concise and useful books on egg tempera...should be on the bookshelf of every serious artist" (Studio Products Inc.) Reveals the proprietary

framework used by an exclusive community of top money managers and value investors in their never-ending quest for untapped investment ideas. Considered an indispensable source of cutting-edge research and ideas among the world's top investment firms and money managers, the journal *The Manual of Ideas* boasts a subscribers list that reads like a *Who's Who* of high finance. Written by that publication's managing editor and inspired by its mission to serve as an "idea funnel" for the world's top money managers, this book introduces you to a proven, proprietary framework for finding, researching, analyzing, and implementing the best value investing opportunities. The next best thing to taking a peek under the hoods of some of the most prodigious brains in the business, it gives you uniquely direct access to the thought processes and investment strategies of such super value investors as Warren Buffett, Seth Klarman, Glenn Greenberg, Guy Spier and Joel Greenblatt. Written by the team behind one of the most read and talked-about sources of research and value investing ideas, *Reviews* more than twenty pre-qualified investment ideas and provides an original ranking methodology to help you zero-in on the three to five most compelling investments. Delivers a finely-tuned, proprietary investment framework, previously available only to an elite group of TMI subscribers. Step-by-step, it walks you through a proven, rigorous approach to finding, researching, analyzing, and implementing worthy ideas. This is an invaluable five-volume reference on the very broad and highly significant subject of computer aided and integrated manufacturing systems. It is a set of distinctly titled and well-harmonized volumes by leading experts on the international scene. The techniques and technologies used in computer aided and integrated manufacturing systems have produced, and will no doubt continue to produce, major annual improvements in productivity, which is defined as the goods and services produced from each hour of work. This publication deals particularly with more effective utilization of labor and capital, especially information technology systems. Together the five volumes treat comprehensively the major techniques and technologies that are involved. Sugar chains (glycans) are often attached to proteins and lipids and have multiple roles in the organization and function of all organisms. "Essentials of Glycobiology" describes their biogenesis and function and offers a useful gateway to the understanding of glycans. A textbook suitable for undergraduate courses. The materials are presented very explicitly so that students will find it very easy to read. A wide range of examples, about 500 combinatorial problems taken from various mathematical competitions and exercises are also included. Intended for students and busy pastors, this book addresses the needs of readers struggling with any textual portion of Hebrew Old Testament scripture for a quick and handy reference. The word entries (the actual Hebrew Old

Testament vocabulary) are directly taken from the Hebrew text of the Leningrad Codex and linked to the English word definitions and other essential information based on Strong's renowned Hebrew-English lexicon. To be used in conjunction with the Hebrew Old Testament (Tanakh) edition (ISBN 978-3-95935-372-4) and the Word Concordance of the Hebrew Old Testament (ISBN 978-3-95935-362-5) by the same editor. The 16th Edition of this classic text provides surgeons with the most comprehensive information available in this field. This exhaustive revision includes more than 1,500 illustrations and 1,800 of the most recent references available in surgery. Included are: advances in cardiothoracic surgery, neurosurgery, plastic and maxillofacial surgery, pediatric surgery, hand surgery, orthopedics, gynecology, and urology, as well as the historical and developmental aspects of surgical practice and the anatomical, pathological, physiological, biochemical and molecular basis of several disorders. Learn how to transition from Excel-based business intelligence (BI) analysis to enterprise stacks of open-source BI tools. Select and implement the best free and freemium open-source BI tools for your company's needs and design, implement, and integrate BI automation across the full stack using agile methodologies. Business Intelligence Tools for Small Companies provides hands-on demonstrations of open-source tools suitable for the BI requirements of small businesses. The authors draw on their deep experience as BI consultants, developers, and administrators to guide you through the extract-transform-load/data warehousing (ETL/DWH) sequence of extracting data from an enterprise resource planning (ERP) database freely available on the Internet, transforming the data, manipulating them, and loading them into a relational database. The authors demonstrate how to extract, report, and dashboard key performance indicators (KPIs) in a visually appealing format from the relational database management system (RDBMS). They model the selection and implementation of free and freemium tools such as Pentaho Data Integrator and Talend for ELT, Oracle XE and MySQL/MariaDB for RDBMS, and QlikSense, Power BI, and MicroStrategy Desktop for reporting. This richly illustrated guide models the deployment of a small company BI stack on an inexpensive cloud platform such as AWS. What You'll Learn You will learn how to manage, integrate, and automate the processes of BI by selecting and implementing tools to: Implement and manage the business intelligence/data warehousing (BI/DWH) infrastructure Extract data from any enterprise resource planning (ERP) tool Process and integrate BI data using open-source extract-transform-load (ETL) tools Query, report, and analyze BI data using open-source visualization and dashboard tools Use a MOLAP tool to define next year's budget, integrating real data with target scenarios Deploy BI solutions and big data experiments inexpensively on cloud platforms Who This Book

Is For Engineers, DBAs, analysts, consultants, and managers at small companies with limited resources but whose BI requirements have outgrown the limitations of Excel spreadsheets; personnel in mid-sized companies with established BI systems who are exploring technological updates and more cost-efficient solutions This volume is concerned with the human factors, ergonomics, and safety issues related to the design of products, processes, and systems, as well as operation and management of business enterprises in both manufacturing and service sectors of contemporary industry. The book is organized into ten sections that focus on the following subject matters: I: Enterprise Management II: Human Factors in Manufacturing III: Processes and Services IV: Design of Work Systems V. Working Environment VI. Product and System Safety VII. Safety Design Issues VIII. Safety Management IX. Hazard Communication X. Occupational Risk Prevention This book will be of special value to researchers and practitioners involved in the design of products, processes, systems, and services, which are marketed and utilized by a variety of organizations around the world. Seven other titles in the Advances in Human Factors and Ergonomics Series are: Advances in Human Factors and Ergonomics in Healthcare Advances in Applied Digital Human Modeling Advances in Cross-Cultural Decision Making Advances in Cognitive Ergonomics Advances in Occupational, Social and Organizational Ergonomics Advances in Ergonomics Modeling & Usability Evaluation Advances in Neuroergonomics and Human Factors of Special Populations This Manual, based on a regional training course, attempts to clarify most of the concepts and scientific principles for establishing and managing field genebanks. It deals with the following subjects: the role of field genebank in a complementary conservation strategy, the current status of seed and in vitro and cryopreservation, legal aspects, choice of material and practical aspects of laying out the field plots and planting More than six thousand ophthalmologists and eye-care professionals from all corners of the world met to exchange ideas and experiences at the above mentioned Congress. Twenty-six satellite meetings were held, eleven in Singapore and fifteen in neighbouring countries, with all aspects of ophthalmology coming under discussion. Highlights from the Congress are reproduced in these proceedings, with the papers arranged according to the major events of the Congress. Fast advances in information technology have led to a smarter world vision with ubiquitous interconnection and intelligence. Smart Manufacturing Innovation and Transformation: Interconnection and Intelligence covers both theoretical perspectives and practical approaches to smart manufacturing research and development triggered by ubiquitous interconnection and intelligence. This reference work discusses the transformation of manufacturing, the latest developments in smart manufacturing innovation,

current and emerging technology opportunities, and market imperatives that enable manufacturing innovation and transformation, useful tools for readers in industry, academia, and government. There is a paucity of high-value examination-style questions for final-year medical undergraduates. This book uses true (and modified) clinical scenarios (for realism), appropriate and pragmatic clinical questions (for clinical reasoning), and provides readers with explanations and tips in solutions (for self-reflection). The good reception received from Vol. 1 is the main stimulus for this Vol. 2. The book will be useful for: Final-year exam preparation for Medicine undergraduates around the world Junior residents to evaluate their own knowledge and approaches in internal medicine Senior doctors in providing inspiration and ideas for setting examination questions The book includes: Challenging and realistic clinical questioning Comprehensive solutions (which include wrong answers that candidates may give) Useful examination-oriented and practice-based tips for selected solutions While the primary purpose of the book is a celebration of John's contributions to the field of measurement, a second and related purpose is to provide a useful resource. We believe that the combination of the developmental history and theory of the method, the examples of its use in practice, some possible future directions, and software and data files will make this book a valuable resource for teachers and scholars of the Rasch method. This book is a tribute to Professor John P Keeves for the advocacy of the Rasch model in Australia. Happy 80th birthday John! xii There are good introductory texts on Item Response Theory, Objective Measurement and the Rasch model. However, for a beginning researcher keen on utilising the potentials of the Rasch model, theoretical discussions of test theory and associated indices do not meet their pragmatic needs. Furthermore, many researchers in measurement still have little or no knowledge of the features of the Rasch model and its use in a variety of situations and disciplines. This book attempts to describe the underlying axioms of test theory, and, in particular, the concepts of objective measurement and the Rasch model, and then link theory to practice. We have been introduced to the various models of test theory during our graduate days. It was time for us to share with those keen in the field of measurement in education, psychology and the social sciences the theoretical and practical aspects of objective measurement. This book emphasizes concepts and methods for solving problems that occur through the interaction of the eyes and vision of people with their environment. Student clinicians will learn to assess their patient's visual tasks, visual environments, and visual performance needs in order to provide quality eye care. The six-volume set LNCS 10404-10409 constitutes the refereed proceedings of the 17th International Conference on Computational Science and Its Applications, ICCSA 2017, held in Trieste, Italy, in July

2017. The 313 full papers and 12 short papers included in the 6-volume proceedings set were carefully reviewed and selected from 1052 submissions. Apart from the general tracks, ICCSA 2017 included 43 international workshops in various areas of computational sciences, ranging from computational science technologies to specific areas of computational sciences, such as computer graphics and virtual reality. Furthermore, this year ICCSA 2017 hosted the XIV International Workshop On Quantum Reactive Scattering. The program also featured 3 keynote speeches and 4 tutorials. This is an invaluable five-volume reference on the very broad and highly significant subject of computer aided and integrated manufacturing systems. It is a set of distinctly titled and well-harmonized volumes by leading experts on the international scene. The techniques and technologies used in computer aided and integrated manufacturing systems have produced, and will no doubt continue to produce, major annual improvements in productivity, which is defined as the goods and services produced from each hour of work. This publication deals particularly with more effective utilization of labor and capital, especially information technology systems. Together the five volumes treat comprehensively the major techniques and technologies that are involved. Contents: .: Techniques and Applications of Production Planning in Electronics Manufacturing Systems (J Smed et al.); Economic Optimization of Machining Operations in Computer Aided Manufacturing Systems (J Wang); Computer Techniques and Applications for Real-Time Embedded Control in Mechatronic Systems (M Colnaric & W A Halang); and other articles. Readership: Graduate students, academics, researchers, and industrialists in computer engineering, industrial engineering, mechanical engineering, systems engineering, artificial intelligence and operations management

From the New York Times bestselling author of *Crazy Rich Asians* (the basis for the acclaimed major motion picture) and *China Rich Girlfriend*, here is the uproarious conclusion to the *Crazy Rich Asians* trilogy. Book Three of the *Crazy Rich Asians* Trilogy When Nicholas Young hears that his grandmother, Su Yi, is on her deathbed, he rushes to be by her bedside—but he's not alone. The entire Shang-Young clan has convened from all corners of the globe to stake claim on their matriarch's massive fortune. With each family member vying to inherit Tyersall Park—a trophy estate on 64 prime acres in the heart of Singapore—Nicholas's childhood home turns into a hotbed of speculation and sabotage. As her relatives fight over heirlooms, Astrid Leong is at the center of her own storm, desperately in love with her old sweetheart Charlie Wu, but tormented by her ex-husband—a man hell bent on destroying Astrid's reputation and relationship. Meanwhile Kitty Pong, married to China's second richest man, billionaire Jack Bing, still feels second best next to her new step-daughter, famous

fashionista Colette Bing. A sweeping novel that takes us from the elegantly appointed mansions of Manila to the secluded private islands in the Sulu Sea, from a kidnapping at Hong Kong's most elite private school to a surprise marriage proposal at an Indian palace, caught on camera by the telephoto lenses of paparazzi, Kevin Kwan's hilarious, gloriously wicked new novel reveals the long-buried secrets of Asia's most privileged families and their rich people problems. Look for Kevin Kwan's latest novel, *Sex & Vanity*!

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