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**Regionalism in Southeast Asia** Springer Science & Business Media

Provides updated, comprehensive, and practical information and guidelines on aspects of building design and construction, including materials, methods, structural types, components, and costs, and management techniques.

**Junior Librarian** Elsevier

An Introduction to Modern Vehicle Design starts from basic principles and builds up analysis procedures for all major aspects of vehicle and component design. Subjects of current interest to the motor industry – such as failure prevention, designing with modern material, ergonomics, and control systems – are covered in detail, with a final chapter discussing future trends in automotive design. Extensive use of illustrations, examples, and case studies provides the reader with a thorough understanding of design issues and analysis methods.

**Electrical Machines - II** Coriolis Group Books

A quantitative approach to studying human biomechanics, presenting principles of classical mechanics using case studies involving human movement. Vector algebra and vector differentiation are used to describe the motion of objects and 3D motion mechanics are treated in depth. Diagrams and software-created sequences are used to illustrate human movement.

Information Hiding Springer

This book gathers peer-reviewed contributions presented at the International Conference on Structural Engineering and Construction Management (SECON ' 21), held on 12-15 May 2021. The meeting served as a fertile platform for discussion, sharing sound knowledge and introducing novel ideas on issues related to sustainable construction and design for the future. The respective contributions address various aspects of numerical modeling and simulation in structural engineering, structural dynamics and earthquake engineering, advanced analysis and design of foundations, BIM, building energy management, and technical project management. Accordingly, the book offers a valuable, up-to-date tool and essential overview of the subject for scientists and practitioners alike, and will inspire further investigations and research.

**Automotive Mechanics, 2e** Sterling Publishers Pvt. Ltd

Under the direction of John Enderle, Susan Blanchard and Joe Bronzino, leaders in the field have contributed chapters on the most relevant subjects for biomedical engineering students. These chapters coincide with courses offered in all biomedical engineering programs so that it can be used at different levels for a variety of courses of this evolving field. Introduction to Biomedical Engineering, Second Edition provides a historical perspective of the major developments in the biomedical field. Also contained within are the fundamental principles underlying biomedical engineering design, analysis, and modeling procedures. The numerous examples, drill problems and exercises are used to reinforce concepts and develop problem-solving skills making this book an invaluable tool for all biomedical students and engineers. New to this edition: Computational Biology, Medical Imaging, Genomics and Bioinformatics.\* 60% update from first edition to reflect the developing field of biomedical engineering\* New chapters on Computational Biology, Medical Imaging, Genomics, and Bioinformatics\* Companion site: <http://intro-bme-book.bme.uconn.edu/>\* MATLAB and SIMULINK software used throughout to model and simulate dynamic systems\* Numerous self-study homework problems and thorough cross-referencing for easy use

**Objective General English** Singapore U Press

This book gathers selected papers presented at the 5th International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2021), organized by JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India during 27 – 28 August 2021. This book solicits the innovative research ideas and solutions for almost all the intelligent data intensive theories and application domains. The general scope of this book covers the design, architecture, modeling, software, infrastructure and applications of intelligent communication architectures and systems for big data or data-intensive applications. In particular, this book reports the novel and recent research works on big data, mobile and wireless

networks, artificial intelligence, machine learning, social network mining, intelligent computing technologies, image analysis, robotics and autonomous systems, data security and privacy. **Building Design and Construction Handbook** John Wiley & Sons

Demonstrating the vibrant nature of current research on Maurice Ravel, one of the most significant figures in twentieth-century French music, a team of distinguished international scholars provides new interdisciplinary perspectives and insights.

Through historical, critical, and analytical means, the volume reveals the symbiotic relationships between Ravel's music and aesthetic, cultural, literary, gender, performance-based, and medical studies. While the chapters progress from French aesthetic-literary association, including Colette and Proust, to more extended disciplinary couplings, with American history, jazz, dance, and neurology, the organization is relatively free to enable other thematic links to emerge. The volume presents a refreshing variety of scholarly approaches to Ravel and his music, set within broad contexts and current musicological debates. In a Ravelian spirit, it is intended that the essays will serve collectively as a model for expanding the agendas of other composer-based studies.

**Cad/Cam/Cim** Technical Publications

Provides a comprehensive account on the latest trends and knowledge in Pharmacognosy. While general aspects are dealt with in detail, the systematic treatment and methodical description of plants and plant families is also provided to aid the understanding of pharmacognostic terms. The theory is supported with self-explanatory diagrams.

**Michael Abrash's Graphics Programming Black Book** Cambridge University Press

A concise handbook on exome sequencing for clinicians and clinical geneticists.

**Introduction to Biomedical Engineering** Career Examination

This book deals with both the basic components of electronics like diodes and transistors as well as the higher regulated power supply elaborately and the explanations are supported with pictorial representations to give a better understanding to the readers. The quizzes appended after each chapter tests the reader's understanding.

**An Introduction to Modern Vehicle Design** Elsevier

Geriatric Dentistry: Caring for Our Aging Population provides general practitioners, dental students, and auxiliary members of the dental team with a comprehensive, practical guide to oral healthcare for the aging population. Beginning with fundamental chapters on the psychological, environmental, and social aspects of aging, the book approaches patient care from a holistic point of view. Subsequent chapters show the importance of this information in a practical context by discussing how it affects office environment, decision-making and treatment planning, and the management and treatment of common geriatric oral conditions. Case studies and study questions are used to illustrate application of educational presentations to practice settings. Contributed by leaders in the field, Geriatric Dentistry will strengthen readers' understanding and clinical acumen in addressing this special population.

**Hip Biomechanics** Bronwyn Leroux

This volume is the arranged monograph based on the Hip Biomechanics Symposium held on November 1992 in Fukui, Japan. It consists of six major sections: loading, gait analysis, total hip arthroplasty, osteotomies, motion analysis, and stem designs for stability. The most important aim of the volume is to overview the current research outcomes in the biomechanical approaches to adult hip diseases. Each of these sections brings together many of the leading researchers in this field. The information found here will be of benefit to orthopedic surgeons and researchers in the related areas. **Proceedings of SECON'21** Intechopen

No one has done more to conquer the performance limitations of the PC than Michael Abrash, a software engineer for Microsoft. His complete works are contained in this massive volume, including everything he has written about performance coding and real-time graphics. The CD-ROM contains the entire text in Adobe Acrobat 3.0 format, allowing fast searches for specific facts.

**Ravel Studies** Academic Press

The Junior Librarian Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: library terminology and practices; verbal and clerical abilities; preparation of written material; understanding and interpreting written material; understanding and interpreting tabular material; and more.

**Breach** Springer Nature

Proceedings of the 3rd IUPAC International Conference on Biodiversity (ICOB-3), November 3-8, 2001, Antalya, Turkey. This book discusses the value of bioresources and the need for

their conservation in terms of the biomolecular chemistry of naturally occurring molecular systems. The development of pharmaceutical, agricultural and industrial products from bioresources can be used to promote incentives for conservation by providing an economic return to sustainable use of those sources. The 54 chapters inform readers on the search for insight into the species and documents how much of life remains to be scientifically identified. They also explore identification strategies and methods along with the implications for protecting biodiversity. In summary, biomolecular aspects of biodiversity and innovative utilization of bioresources are discussed from very diverse points of view ranging from their botanical, zoological, taxonomic and genomic expressions to their biomolecular, structural, mechanistic and functional aspects.

**Biodiversity** Springer Science & Business Media

The ultimate power-packed crash course in building Arduino-based projects in just 10 days! About This Book A carefully designed 10-day crash course, covering major project/device types, with 20+ unique hands-on examples Get easy-to-understand explanations of basic electronics fundamentals and commonly used C sketch functions This step-by-step guide with 90+ diagrams and 50+ important tips will help you become completely self-reliant and confident Who This Book Is For This book is a beginner's crash course for professionals, hobbyists, and students who are tech savvy, have a basic level of C programming knowledge, and basic familiarity with electronics, be it for embedded systems or the Internet of Things. What You Will Learn Write Arduino sketches and understand the fundamentals of building prototype circuits using basic electronic components, such as resistors, transistors, and diodes Build simple, compound, and standalone devices with auxiliary storage (SD card), a DC battery, and AC power supplies Deal with basic sensors and interface sensor modules by using sensor datasheets Discover the fundamental techniques of prototyping with actuators Build remote-controlled devices with infrared (IR), radio frequency (RF), and telephony with GSM Learn IoT edge device prototyping (using ESP8266) and IoT cloud configuration In Detail This book is a quick, 10-day crash course that will help you become well acquainted with the Arduino platform. The primary focus is to empower you to use the Arduino platform by applying basic fundamental principles. You will be able to apply these principles to build almost any type of physical device. The projects you will work through in this book are self-contained micro-controller projects, interfacing with single peripheral devices (such as sensors), building compound devices (multiple devices in a single setup), prototyping standalone devices (powered from independent power sources), working with actuators (such as DC motors), interfacing with an AC-powered device, wireless devices (with Infrared, Radio Frequency and GSM techniques), and finally implementing the Internet of Things (using the ESP8266 series Wi-Fi chip with an IoT cloud platform). The first half of the book focuses on fundamental techniques and building basic types of device, and the final few chapters will show you how to prototype wireless devices. By the end of this book, you will have become acquainted with the fundamental principles in a pragmatic and scientific manner. You will also be confident enough to take up new device prototyping challenges. Style and approach This step-by-step guide will serve as a quick, 10-day crash course to help you become well acquainted with the Arduino platform.

**Metal Cutting Technology and Experiments** Springer Science & Business Media

When legends come to life, so do the monsters. . . What is the Council hiding? After they divulge an ancient legend, Aiken can't shake the feeling something's off. No heroic outcome. No hint of what the mystical box imprisons. And what legend concludes with dire warnings of an apocalypse? As enslave life makes demands on his time, Aiken hunts for survival instead of answers. It's a choice he'll regret. When fate intervenes, Aiken's life spirals out of control. With the legend come to life, his village under attack and no sign of reprieve, can Aiken prevail before the world ends? Breach is an introduction to a YA fantasy series served with a twist of adventure and a hint of romance. If you like fast-paced novellas, engaging mysteries and innovative fantasy, then you'll love this insight into Bronwyn Leroux's engaging new series. Pick up Breach and unlock the legendary tale today!

**Women in Southeast Asian Nationalist Movements** Routledge During the natural history of Parkinson's disease (PD), many patients require hospital admission for medical or surgical problems other than the motor features of PD. Therefore, they are often admitted to non-neurological wards where the staff is unfamiliar with PD management. Among the issues related to hospitalization in patients with PD, drug-related problems such as inappropriate levodopa timing of administration, the use of contraindicated, centrally acting antidopaminergic drugs and anticholinergic burden remain among the most troublesome.

**Introduction to Pharmacognosy** McGraw-Hill Companies

The importance of various electrical machines is well known in the various engineering fields. The book provides comprehensive coverage of the synchronous generators (alternators), synchronous motors, three phase and single phase induction motors and various special machines. The book is structured to cover the key aspects of the course Electrical Machines - II. The book starts with the explanation of basics of synchronous generators including

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construction, winding details and e.m.f. equation. The book then explains the concept of armature reaction, phasor diagrams, regulation and various methods of finding the regulation of alternator. Stepwise explanation and simple techniques used to elaborate these methods is the feature of this book. The book further explains the concept of synchronization of alternators, two reaction theory and parallel operation of alternators. The chapter on synchronous motor provides the detailed discussion of construction, working principle, behavior on load, analysis of phasor diagram, Vee and Inverted Vee curves, hunting and applications. The book further explains the three phase induction motors in detail. It includes the construction, working, effect of slip, torque equation, torque ratios, torque-slip characteristics, losses, power flow, equivalent circuit, effect of harmonics on the performance and applications. This chapter includes the discussion of induction generator and synchronous induction motor. The detailed discussion of circle diagram is also included in the book. The book teaches the various starting methods, speed control methods and electrical braking methods of three phase induction motors. Finally, the book gives the explanation of various single phase induction motors and special machines such as reluctance motor, hysteresis motor, repulsion motor, servomotors and stepper motors. The discussion of magnetic levitation is also incorporated in the book. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. Each chapter is well supported with necessary illustrations, self explanatory diagrams and variety of solved problems. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

**Challenges in Parkinson's Disease** Packt Publishing Ltd

For medical, veterinary, entomology and public health students, this acclaimed textbook has been fully updated and revised to reflect the most recent advances. Each chapter is structured with the student in mind, organized by the major headings of Taxonomy, Morphology, Life History, Behavior and Ecology, Public Health and Veterinary Importance, and Prevention and Control. This 2e includes separate chapters devoted to each of the taxonomic groups of insects and arachnids of medical or veterinary concern, including spiders, scorpions, mites, and ticks. Internationally recognized editors Mullen and Durden surpass the competition by including extensive coverage of both medical and veterinary entomological importance. \* Follows in the tradition of Herm's Medical and Veterinary Entomology \* The latest information on developments in entomology relating to public health and veterinary importance \* Two separate indexes for enhanced searchability: Taxonomic and Subject New to this edition: \* Three new chapters - Morphological Adaptations of Parasitic Arthropods - Forensic Entomology - Molecular Tools in Medical and Veterinary Entomology \* Online ancillaries: glossary, chapter images, study questions, and related web links \* 1700 word glossary \* Appendix of Arthropod-Related Viruses of Medical-Veterinary Importance \* Numerous new full-color images, illustrations and maps throughout