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## A Book on C Programming in C

Benjamin-Cummings Publishing Company The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-a-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

## Entrepreneurship and Small Business Management in the Hospitality Industry

Routledge Small businesses are the backbone of the tourism and hospitality industry and, depending on which statistics one uses, represent somewhere between 75 to 95 percent of all firms globally in this sector. The number of entrepreneurs has dramatically and uniformly increased globally over the last ten years. Divided into four sections, Entrepreneurship and Small Business Management in the Hospitality Industry takes an intuitive step-by-step progression through each stage of the entrepreneurial process: context, theoretical perspectives and definitions; Concept to reality; The business plan; Growth and the future. Ideal for students at any level, the chapters of this book invite you to ponder upon your reading through a series of 'reflective practice' activities. These, along with case studies, clearly defined chapter objectives, reflections, role-play activities and experiential exercises, allow you to both think actively about themes, concepts and issues and then apply them to a number of suggested scenarios. Perfect preparation for the up-and-coming entrepreneur!

## Diversity and Evolution of Butterfly Wing Patterns An Integrative Approach

Springer This book facilitates an integrative understanding of the development, genetics and evolution of butterfly wing patterns. To develop a deep and realistic understanding of the diversity and evolution of butterfly wing patterns, it is essential and necessary to approach the problem from various kinds of key research fields such as "evo-devo," "eco-devo," "developmental genetics," "ecology and adaptation," "food plants," and "theoretical modeling." The past decade-and-a-half has seen a veritable revolution in our understanding of the development, genetics and evolution of butterfly wing patterns. In addition, studies of how environmental and climatic factors affect the expression of color patterns has led to increasingly deeper understanding of the pervasiveness and underlying mechanisms of phenotypic plasticity. In recognition of the great progress in research on the biology, an international meeting titled "Integrative Approach to Understanding the Diversity of Butterfly Wing Patterns (IABP-2016)" was held at Chubu University, Japan in August 2016. This book consists of selected contributions from the meeting. Authors include main active researchers of new findings of corresponding genes as well as world leaders in both experimental and theoretical approaches to wing color patterns. The book provides excellent case studies for graduate and undergraduate classes in evolution, genetics/genomics, developmental biology, ecology, biochemistry, and also theoretical biology, opening the door to a new era in the integrative approach to the analysis of biological problems. This book is open access under a CC BY 4.0 license.

## SCJP Sun Certified Programmer for Java 6 Study Guide Exam 310-065

McGraw Hill Professional The Best Fully Integrated Study System Available--Written by the Lead Developers of Exam 310-065 With hundreds of practice questions and hands-on exercises, SCJP Sun Certified Programmer for Java 6 Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam 310-065 Exam Objective Highlights in every chapter point out certification objectives to ensure you're focused on passing the exam Exam Watch sections in every chapter highlight key exam topics covered Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all SCJP exam topics, including: Declarations and Access Control · Object Orientation · Assignments · Operators · Flow Control, Exceptions, and Assertions · Strings, I/O, Formatting, and Parsing · Generics and Collections ·

Inner Classes · Threads · Development CD-ROM includes: Complete MasterExam practice testing engine, featuring: Two full practice exams; Detailed answers with explanations; Score Report performance assessment tool Electronic book for studying on the go Bonus coverage of the SCJD exam included! Bonus downloadable MasterExam practice test with free online registration.

## Introductory Relational Database Design for Business, with Microsoft Access

John Wiley & Sons A hands-on beginner's guide to designing relational databases and managing data using Microsoft Access Relational databases represent one of the most enduring and pervasive forms of information technology. Yet most texts covering relational database design assume an extensive, sophisticated computer science background. There are texts on relational database software tools like Microsoft Access that assume less background, but they focus primarily on details of the user interface, with inadequate coverage of the underlying design issues of how to structure databases. Growing out of Professor Jonathan Eckstein's twenty years' experience teaching courses on management information systems (MIS) at Rutgers Business School, this book fills this gap in the literature by providing a rigorous introduction to relational databases for readers without prior computer science or programming experience. Relational Database Design for Business, with Microsoft Access helps readers to quickly develop a thorough, practical understanding of relational database design. It takes a step-by-step, real-world approach, using application examples from business and finance every step the way. As a result, readers learn to think concretely about database design and how to address issues that commonly arise when developing and manipulating relational databases. By the time they finish the final chapter, students will have the knowledge and skills needed to build relational databases with dozens of tables. They will also be able to build complete Microsoft Access applications around such databases. This text: Takes a hands-on approach using numerous real-world examples drawn from the worlds of business, finance, and more Gets readers up and running, fast, with the skills they need to use and develop relational databases with Microsoft Access Moves swiftly from conceptual fundamentals to advanced design techniques Leads readers step-by-step through data management and design, relational database theory, multiple tables and the possible relationships between them, Microsoft Access features such as forms and navigation, formulating queries in SQL, and normalization Introductory Relational Database Design for Business, with Microsoft Access is the definitive guide for undergraduate and graduate students in business, finance, and data analysis without prior experience in database design. While Microsoft Access is its primary "hands-on" learning vehicle, most of the skills in this text are transferrable to other relational database software such as MySQL.

## The Prehistoric Maritime Frontier of Southeast China Indigenous Bai Yue and Their Oceanic Dispersal

Springer Nature This open access book presents multidisciplinary research on the cultural history, ethnic connectivity, and oceanic transportation of the ancient Indigenous Bai Yue (百越) in the prehistoric maritime region of southeast China and southeast Asia. In this maritime Frontier of China, historical documents demonstrate the development of the "barbarian" Bai Yue and Island Yi (岛夷) and their cultural interaction with the northern Huaxia (华夏) in early Chinese civilization within the geopolitical order of the "Central State-Four Peripheries Barbarians-Four Seas". Archaeological typologies of the prehistoric remains reveal a unique cultural tradition dominantly originating from the local Paleolithic age and continuing to early Neolithization across this border region. Further analysis of material culture from the Neolithic to the Early Iron Age proves the stability and resilience of the indigenous cultures even with the migratory expansion of Huaxia and Han (汉) from north to south. Ethnographical investigations of aboriginal heritage highlight their native cultural context, seafaring technology and navigation techniques, and their interaction with Austronesian and other foreign maritime ethnicities. In a word, this manuscript presents a new perspective on the unique cultural landscape of indigenous ethnicities in southeast China with thousands of years' stable tradition, a remarkable maritime orientation and overseas cultural hybridization in the coastal region of southeast China.

## Cardiac Cell Biology

Springer Science & Business Media Cardiac cell biology has come of age. Recognition of activated or modified signaling molecules by specific antibodies, new selective inhibitors, and fluorescent fusion tags are but a few of the tools used to dissect signaling pathways and cross-talk mechanisms that may eventually allow rational drug design. Understanding the regulation of cardiac hypertrophy in all its complexity remains a fundamental goal of cardiac research. Since the advancement of adenovirally mediated gene transfer, transfection efficiency is no longer a limiting factor in the study of cardiomyocytes. A limiting factor in considering cell transplantation as a strategy to repair the damaged heart is cell availability at the right time. Cardiac gap junctions, intercellular communication channels that allow electrical and metabolic coupling and play an important role in arrhythmogenesis are now understood to be exquisite sensors of cardiac change. The reports in this volume include elegant studies that made use of cutting edge technological advances and many specialized reagents to address these issues.

## Water-Wise Cities and Sustainable Water Systems

## Concepts, Technologies, and Applications

IWA Publishing Building water-wise cities is a pressing need nowadays in both developed and developing countries. This is mainly due to the limitation of the available water resources and aging infrastructure to meet the needs of adapting to social and environmental changes and for urban liveability. This is the first book to provide comprehensive insights into theoretical, systematic, and engineering aspects of water-wise cities with a broad coverage of global issues. The book aims to (1) provide a theoretical framework of water-wise cities and associated sustainable water systems including key concepts and principles, (2) provide a brand-new thinking on the design and management of sustainable urban water systems of various scales towards a paradigm shift under the resource and environmental constraints, and (3) provide a technological perspective with successful case studies of technology selection, integration, and optimization on the “fit-for-purpose” basis.

## Power Transformer Diagnostics, Monitoring and Design Features

MDPI This book is a printed edition of the Special Issue "Power Transformer Diagnostics, Monitoring and Design Features" that was published in Energies

## Multinational Management

### A Casebook on Asia's Global Market Leaders

Springer This casebook demonstrates that the future of global business lies in how well the multinational landscape is charted and how the importance of Asian market leaders is deeply embedded in it. It offers international management students and researchers an extensive guide to the business history, strategy development, and foreign market entry modes used by emerging Asian multinationals. The cases focus on well-known companies such as Lenovo, Alibaba, Infosys, Huawei, Panasonic, and Rakuten. These companies, all of which generate huge revenues in their own countries (e.g. in China, India, South Korea, Taiwan, Vietnam), are now becoming increasingly sophisticated and striving to become global brands, while also enjoying the active support of their governments in terms of their international business. Readers will learn about the current multinational landscape in Asia, the management challenges, and the future implications for traditional western companies seeking to retain their market share. Chapters on corporate entrepreneurship, human resource management and intercultural competence, and current branding trends in Asia will provide a cutting-edge update on international business strategy for students and practitioners alike.

## Essential Scrum

### A Practical Guide to the Most Popular Agile Process

Addison-Wesley Professional This is a comprehensive guide to Scrum for all (team members, managers, and executives). If you want to use Scrum to develop innovative products and services that delight your customers, this is the complete, single-source reference you've been searching for. This book provides a common understanding of Scrum, a shared vocabulary that can be used in applying it, and practical knowledge for deriving maximum value from it.

## Yamaha YZF-R1 1998-2003

Haynes Manuals N. America, Incorporated Yamaha YZF-R1 1998-2003

## UNIX and Linux System Administration Handbook

Addison-Wesley Professional "As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the few books we ever measured ourselves against." —Tim O'Reilly, founder of O'Reilly Media "This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive." —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security "This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems' history but doesn't bloviate. It's just straight-forward information delivered in a colorful and memorable fashion." —Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today's definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or

[Linux](#), this conversational, well-written guide will improve your efficiency and help solve your knottiest problems.

## March's Advanced Organic Chemistry

### Reactions, Mechanisms, and Structure

John Wiley & Sons

## Social Determinants of Health in Non-communicable Diseases

### Case Studies from Japan

[Springer](#) This book is open access under a CC BY-NC-ND 4.0 license. This open access book is the first compilation that reviews a wide range of social determinants of health (SDHs) for non-communicable diseases (NCDs) and healthy ageing in Japan. With the highest life expectancy and the largest elderly population in the world, Japan has witnessed health inequality by region and social class becoming more prevalent since the 2000s. The first half of this volume describes in detail major NCDs, such as cancers, heart and kidney diseases, diabetes, stroke, and metabolic syndrome. The second half, on the other hand, explores various SDHs relating to healthy ageing. All chapters review and focus on SDHs, particularly health inequality associated with socio-economic status and social capital, which are widely addressed in the field of social epidemiology. The book makes the argument that "Health for All" advocated by the WHO should be implemented based on social justice and benefits for the greater society. Public health researchers and policymakers, both in Japan and other nations, will gain scientific evidence from this book to prepare for the coming era as ageing becomes a global issue.

## FARMAX

### Excursions on Density

[Nai Uitgevers Pub](#) Vast areas of the Netherlands seem to be filling up with low-cost housing, low-rent offices, warehouses and other low-density structures--producing a vast sea of architectural mediocrity. This book examines the prospects for animating this tendency. Conceived and edited by Winy Maas and Jacob van Rijs with Richard Koek and produced by MVRDV, FARMAX reads as an architectural narrative composed of studies and designs made by MVRDV and students from Delft University of Technology, the Berlage Institute and the Rotterdam Academy of Architecture and Urban Planning, along with contributions by other authors.

## Electronic Commerce

### The Strategic Perspective

[Orange Groove Books](#) This exciting new text from The Dryden Press provides a strategic marketing and managerial perspective of electronic commerce. The research of the four highly-qualified authors provides the basis for the book, allowing for first-hand experience, varied viewpoints, and relevance.

## Contaminants in Agriculture

### Sources, Impacts and Management

[Springer Nature](#) This comprehensive volume covers recent studies into agricultural problems caused by soil and water contamination. Considering the importance of agricultural crops to human health, the editors have focused on chapters detailing the negative impact of heavy metals, excessive chemical fertilizer use, nutrients, pesticides, herbicides, insecticides, agricultural wastes and toxic pollutants, among others, on agricultural soil and crops. In addition, the chapters offer solutions to these negative impacts through various scientific approaches, including using biotechnology, nanotechnology, nutrient management strategies, biofertilizers, as well as potent PGRs and elicitors. This book serves as a key source of information on scientific and engineered approaches and challenges for the bioremediation of agricultural contamination worldwide. This book should be helpful for research students, teachers, agriculturalists, agronomists, botanists, and plant growers, as well as in the fields of agriculture, agronomy, plant science, plant biology, and biotechnology, among others. It serves as an excellent reference on the current research and future directions of contaminants in agriculture from laboratory research to field application.

## Design and Modeling of Mechanical Systems—III

# Proceedings of the 7th Conference on Design and Modeling of Mechanical Systems, CMSM'2017, March 27-29, Hammamet, Tunisia

Springer This book offers a collection of original peer-reviewed contributions presented at the 7th International Congress on Design and Modeling of Mechanical Systems (CMSM'2017), held in Hammamet, Tunisia, from the 27th to the 29th of March 2017. It reports on both research findings, innovative industrial applications and case studies concerning mechanical systems and related to modeling and analysis of materials and structures, multiphysics methods, nonlinear dynamics, fluid structure interaction and vibroacoustics, design and manufacturing engineering. Continuing on the tradition of the previous editions, this proceedings offers a broad overview on the state-of-the art in the field and a useful resource for academic and industry specialists active in the field of design and modeling of mechanical systems. CMSM'2017 was jointly organized by two leading Tunisian research laboratories: the Mechanical, Modeling and Manufacturing Laboratory of the National Engineering School of Sfax and the Mechanical Engineering Laboratory of the National Engineering School of Monastir..

## Car PC Hacks

### Tips & Tools for Geeking Your Ride

"O'Reilly Media, Inc." Car PC Hacks is the first book available to introduce and entrench you into the hot new car PC market. Expect innovation, tools and fun experiments for creating a mobile multimedia center. This Hacks Series addition packs a punch in this comprehensive and easy-to-read guide. Whether you're venturing into car PC for the first time or an experienced hobbyist, hop in for a joy ride.

## Becoming a Critical Thinker

### A User-Friendly Manual

Pearson Higher Ed This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Developing Instinctive Analytical Skills in Students Becoming a Critical Thinker: A User Friendly Manual trains students to distinguish high-quality, well-supported arguments from those with little or no evidence to support them. It develops the skills required to effectively evaluate the many claims facing them as citizens, learners, consumers, and human beings, and also to be effective advocates for their beliefs. Teaching and Learning Experience Personalize Learning - MyThinkingLab delivers proven results in helping students succeed, provides engaging experiences that personalize learning, and comes from a trusted partner with educational expertise and a deep commitment to helping students and instructors achieve their goals. Improve Critical Thinking - Coverage of persuasive speaking, decision-making, the Toulmin model of argumentation, and chapter-end writing and speaking exercises all teach students to construct and present arguments so that they can gain skill and confidence. Engage Students - Becoming a Critical Thinker: A User Friendly Manual exposes students to a variety of contemporary and multicultural issues, engaging their understanding of analytical skills through the use of articles and varied examples. Support Instructors - Teaching your course just got easier! You can create a Customized Text or use our Instructor's Manual, Electronic "MyTest" Test Bank or PowerPoint Presentation Slides. PLUS, our new Instructor's Manual has been updated and expanded with revised tests and answer keys, a discussion of chapter exercises, and suggestions for teaching critical thinking concepts. Note: MyThinkingLab does not come automatically packaged with this text. To purchase MyThinkingLab, please visit [www.MyThinkingLab.com](http://www.MyThinkingLab.com) or you can purchase a valuepack of the text + MyThinkingLab (VP ISBN-10: 0205176038, VO ISBN-13: 9780205176038)

## Mazda RX-7 Performance Handbook

### Toyota Production System

### An Integrated Approach to Just-In-Time

Springer Science & Business Media The Just-in-time (JIT) manufacturing system is an internal system in use by its founder, Toyota Motor Corporation, but it has taken on a new look. Toyota Production System, Second Edition systematically describes the changes that have occurred to the most efficient production system in use today. Since the publication of the first edition of this book in 1983, Toyota has integrated JIT with computer integrated manufacturing technology and a strategic information system. The JIT goal of producing the necessary items in the necessary quantity at the necessary time is an internal driver of production and operations management. The addition of computer integrated technology (including expert systems by artificial intelligence) and information systems technology serve to further reduce costs, increase quality, and improve lead time. The new Toyota production system considers how to adapt production schedules to the demand changes in the marketplace while satisfying the goals of low cost, high

quality, and timely delivery. The first edition of this book, *Toyota Production System*, published in 1983, is the basis for this book. It was translated into many languages including Spanish, Russian, Italian, Japanese, etc., and has played a definite role in inspiring production management systems throughout the world.

## Fundamentals of Renewable Energy Processes

Academic Press We are hearing a LOT about renewable energy these days! But unlike most available resources on alternative energy that focus on politics and economic impacts, da Rosa's practical guide, *Fundamentals of Renewable Energy Processes*, is dedicated to explaining the scientific and technological principles and processes that enable energy production from safe, renewable, clean sources. Advances in the renewable energy sphere are proceeding with an unprecedented speed, and in order for the world's alarming energy challenges to be solved, solid, up-to-date resources addressing the technical aspects of renewables are essential. This new, updated 2e of da Rosa's successful book continues to give readers all the background they need to gain a thorough understanding of the most popular types of renewable energy—hydrogen, solar power, biomass, wind power, and hydropower—from the ground up. The latest advances in all these technologies are given particular attention, and are carefully contextualized to help professionals and students grasp the "whys and hows" behind these breakthroughs. Discusses how and why the most popular renewable energy sources work, including wind, solar, bio and hydrogen Provides a thorough technical grounding for all professionals and students investigating renewable energy The new 2e of a highly regarded guide written by an internationally renowned pioneer

## Internal Combustion Engine Fundamentals

McGraw-Hill Science Engineering This text, by a leading authority in the field, presents a fundamental and factual development of the science and engineering underlying the design of combustion engines and turbines. An extensive illustration program supports the concepts and theories discussed.

## Nanoclay Reinforced Polymer Composites

## Nanocomposites and Bionanocomposites

Springer This book is part of a two-volume book series that exhaustively reviews the key recent research into nanoclay reinforced polymer composites. This second volume focuses on nanoclay based nanocomposites and bionanocomposites fabrication, characterization and applications. This includes classification of nanoclay, chemical modification and processing techniques of nanocomposites. The book also provides comprehensive information about nanoclay modification and functionalization; modification of nanoclay systems, geological and mineralogical research on clays suitability; bio-nanocomposites based on nanoclays; modelling of mechanical behaviour of halloysite based composites; mechanical and thermal properties of halloysite nanocomposites; the effect of Nanoclays on gas barrier properties of polymers and modified nanocomposites. This book is a valuable reference guide for academics and industrial practitioners alike.

## 4th International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2019

## Internet of Things and Connected Technologies

Springer Nature This book presents the proceedings of the 4th International Conference on Internet of Things and Connected Technologies (ICIoTCT), held on May 9–10, 2019, at Malaviya National Institute of Technology (MNIT), Jaipur, India. The Internet of Things (IoT) promises to usher in a revolutionary, fully interconnected "smart" world, with relationships between objects and their environment and objects and people becoming more tightly intertwined. The prospect of the Internet of Things as a ubiquitous array of devices bound to the Internet could fundamentally change how people think about what it means to be "online". The ICIoTCT 2019 conference provided a platform to discuss advances in Internet of Things (IoT) and connected technologies, such as various protocols and standards. It also offered participants the opportunity to interact with experts through keynote talks, paper presentations and discussions, and as such stimulated research. With the recent adoption of a variety of enabling wireless communication technologies, like RFID tags, BLE, ZigBee, embedded sensor and actuator nodes, and various protocols such as CoAP, MQTT and DNS, IoT has moved on from its infancy. Today smart sensors can collaborate directly with machines to automate decision-making or to control a task without human involvement. Further, smart technologies, including green electronics, green radios, fuzzy neural approaches, and intelligent signal processing techniques play an important role in the development of the wearable healthcare devices.

## Laboratory Evaluations for Integrative and Functional Medicine

Metamatrix Institute

# Protein-Protein Interactions

## Methods and Applications

Springer Science & Business Media As the mysteries stored in our DNA have been more completely revealed, scientists have begun to face the extraordinary challenge of unraveling the intricate network of protein-protein interactions established by that DNA framework. It is increasingly clear that proteins continuously interact with one another in a highly regulated fashion to determine cell fate, such as proliferation, differentiation, or death. These protein-protein interactions enable and exert stringent control over DNA replication, RNA transcription, protein translation, macromolecular assembly and degradation, and signal transduction; essentially all cellular functions involve protein-protein interactions. Thus, protein-protein interactions are fundamental for normal physiology in all organisms. Alteration of critical protein-protein interactions is thought to be involved in the development of many diseases, such as neurodegenerative disorders, cancers, and infectious diseases. Therefore, examination of when and how protein-protein interactions occur and how they are controlled is essential for understanding diverse biological processes as well as for elucidating the molecular basis of diseases and identifying potential targets for therapeutic interventions. Over the years, many innovative biochemical, biophysical, genetic, and computational approaches have been developed to detect and analyze protein-protein interactions. This multitude of techniques is mandated by the diversity of physical and chemical properties of proteins and the sensitivity of protein-protein interactions to cellular conditions.

## Astronomical Distance Determination in the Space Age

Springer Knowing the distance of an astrophysical object is key to understanding its formation and evolution. Without an accurate distance, we do not know how bright it is, how large it is, or even when it existed. This volume highlights the tremendous amount of recent and continuing research into a myriad of exciting and promising aspects of accurately pinning down the cosmic distance scale, where possible focused on space-based contributions. These papers go one step further, putting the many recent results and new developments into the broader context of the physics driving cosmic distance determination. Thus, the volume will benefit researchers spanning a wide range of expertise, including theorists, observers, and modelers working on a large variety of spatial scales. Originally published in *Space Science Reviews* in the Topical Collection "Astronomical Distance Determination in the Space Age"

## Environmental Change and Agricultural Sustainability in the Mekong Delta

Springer Science & Business Media The Mekong Delta of Vietnam is one of the most productive agricultural areas in the world. The Mekong River fans out over an area of about 40,000 sq kilometers and over the course of many millennia has produced a region of fertile alluvial soils and constant flows of energy. Today about a fourth of the Delta is under rice cultivation, making this area one of the premier rice granaries in the world. The Delta has always proven a difficult environment to manipulate, however, and because of population pressures, increasing acidification of soils, and changes in the Mekong's flow, environmental problems have intensified. The changing way in which the region has been linked to larger flows of commodities and capital over time has also had an impact on the region: For example, its re-emergence in recent decades as a major rice-exporting area has linked it inextricably to global markets and their vicissitudes. And most recently, the potential for sea level increases because of global warming has added a new threat. Because most of the region is on average only a few meters above sea level and because any increase of sea level will change the complex relationship between tides and down-river water flow, the Mekong Delta is one of the areas in the world most vulnerable to the effects of climate change. How governmental policy and resident populations have in the past and will in coming decades adapt to climate change as well as several other emerging or ongoing environmental and economic problems is the focus of this collection.

## Graphene Functionalization Strategies

### From Synthesis to Applications

Springer Nature This book discusses various aspects of graphene functionalization strategies from inorganic oxides and organic moieties including preparation, design, and characterization of functionalization material and its applications. Including illustrations and tables summarizing the latest research on manufacturing, design, characterization and applications of graphene functionalization, it describes graphene functionalization using different techniques and materials and highlights the latest technologies in the field of manufacturing and design. This book is a valuable reference resource for lecturers, students, researchers and industrialists working in the field of material science, especially polymer composites.

## The Wankel Engine: Design, Development, Applications

### Hair and Scalp Treatments

## A Practical Guide

Springer Nature Conditions of the hair and scalp often cause significant psychological distress and sometimes physical discomfort for patients. Similarly, finding the right treatment can prove challenging for the physician. Hair and Scalp Treatments -- A Practical Guide, focuses on therapy with each chapter briefly describing the disease to the reader and then teaching the step-by-step therapeutic algorithm. Procedures commonly used in the treatment of alopecias are also reviewed and detailed in specific chapters. This book also discusses everyday questions that patients commonly ask doctors and provides practical tips such as how to recommend the best shampoo, conditioner or hair dye for your patient, or how to prescribe the right nutritional supplements. There are additional sections on future treatments on the horizon and how regenerative medicine can be used. Hair and Scalp Treatments -- A Practical Guide, is the only book of its kind focused on treatment and addresses topics that are not covered by current titles on hair disorders. Written and edited by leading experts in the field, this practical guide can be used not only by dermatologists but by general practice and family physicians as well.

## Mineral Tolerance of Animals

### Second Revised Edition, 2005

National Academies Press Excess minerals in the diet and water of animals can have an adverse effect on animal health, consumers, and the environment. Preventing unsafe mineral exposure is a fundamental part of animal nutrition and management. At the request of the Food and Drug Administration, the National Academies convened a committee to make recommendations on animal tolerances and toxic dietary levels, updating a 1980 report on mineral tolerance in domestic animals. Based on a review of current scientific data and information, the report sets a "maximum tolerable level" (MTL) for each mineral as it applies to the diets of farm animals, poultry, and fish. The report includes an analysis of the effects of toxic levels in animal diets, and it identifies elements that pose potential human health concerns. The report recommends research that includes a better characterization of animal exposure to minerals through feedstuffs; a better understanding of the relationship between mineral concentrations in feed and water and the levels in consumer products such as meat, milk, and eggs; and more research on the maximum tolerable level of minerals for aquatic and companion animals.

## Functional Tactile Sensors

### Materials, Devices and Integrations

Woodhead Publishing Functional Tactile Sensors: Materials, Devices and Integrations focuses on the subject of novel materials design and device integration of tactile sensors for functional applications. The book addresses the design, materials characteristics, device operation principles, specialized device application and mechanisms of the latest reported tactile sensors. The emphasis of the book lies in the materials science aspects of tactile sensors—understanding the relationship between material properties and device performance. It will be an ideal resource for researchers working in materials science, engineering and physics. Includes the latest advances and recent developments in tactile sensors for artificial intelligence applications Reviews the relationship between materials properties and device performance Addresses materials and device design strategies for targeted sensing applications

## Climate Change and Cities

### Second Assessment Report of the Urban Climate Change Research Network

Cambridge University Press The Urban Climate Change Research Network's Second Assessment Report on Climate Change in Cities (ARC3.2) is the second in a series of global, science-based reports to examine climate risk, adaptation, and mitigation efforts in cities. The book explicitly seeks to explore the implications of changing climatic conditions on critical urban physical and social infrastructure sectors and intersectoral concerns. The primary purpose of ARC3.2 is to inform the development and implementation of effective urban climate change policies, leveraging ongoing and planned investments for populations in cities of developing, emerging, and developed countries. This volume, like its predecessor, will be invaluable for a range of audiences involved with climate change and cities: mayors, city officials and policymakers; urban planners; policymakers charged with developing climate change mitigation and adaptation programs; and a broad spectrum of researchers and advanced students in the environmental sciences.

## OCA Java SE 8 Programmer I Exam Guide (Exams 1Z0-808)

McGraw Hill Professional Up-to-date coverage of every topic on the Java 8 SE Programmer I exam Prepare for the OCA Java SE 8 Programmer I exam using this effective self-study system from Oracle Press. Written by developers of the original Sun Certified Java Programmer exam, OCA Java SE 8 Programmer I Exam Guide (Exam 1Z0-808) includes two complete, accurate practice exams. In all,

you will get more than 200 practice questions that mirror those on the actual test in content, tone, and format. Beyond fully preparing you for the challenging exam, the book also serves as an ideal on-the-job reference. Clearly explains every topic on Exam IZ0-808, including: • Declarations • Access control • Object orientation • Assignments • Operators • Flow control • Exceptions • Strings • Arrays • ArrayLists Electronic content includes: • 200+ practice exam questions • Fully customizable test engine • Secured book PDF

## Principles of Marketing

An introduction to marketing concepts, strategies and practices with a balance of depth of coverage and ease of learning. Principles of Marketing keeps pace with a rapidly changing field, focussing on the ways brands create and capture consumer value. Practical content and linkage are at the heart of this edition. Real local and international examples bring ideas to life and new feature 'linking the concepts' helps students test and consolidate understanding as they go. The latest edition enhances understanding with a unique learning design including revised, integrative concept maps at the start of each chapter, end-of-chapter features summarising ideas and themes, a mix of mini and major case studies to illuminate concepts, and critical thinking exercises for applying skills.

## Transients of Modern Power Electronics

John Wiley & Sons In high power, high voltage electronics systems, a strategy to manage short timescale energy imbalances is fundamental to the system reliability. Without a theoretical framework, harmful local convergence of energy can affect the dynamic process of transformation, transmission, and storage which create an unreliable system. With an original approach that encourages understanding of both macroscopic and microscopic factors, the authors offer a solution. They demonstrate the essential theory and methodology for the design, modeling and prototyping of modern power electronics converters to create highly effective systems. Current applications such as renewable energy systems and hybrid electric vehicles are discussed in detail by the authors. Key features: offers a logical guide that is widely applicable to power electronics across power supplies, renewable energy systems, and many other areas analyses the short-scale (nano-micro second) transient phenomena and the transient processes in nearly all major timescales, from device switching processes at the nanoscale level, to thermal and mechanical processes at second level explores transient causes and shows how to correct them by changing the control algorithm or peripheral circuit includes two case studies on power electronics in hybrid electric vehicles and renewable energy systems Practitioners in major power electronic companies will benefit from this reference, especially design engineers aiming for optimal system performance. It will also be of value to faculty staff and graduate students specializing in power electronics within academia.