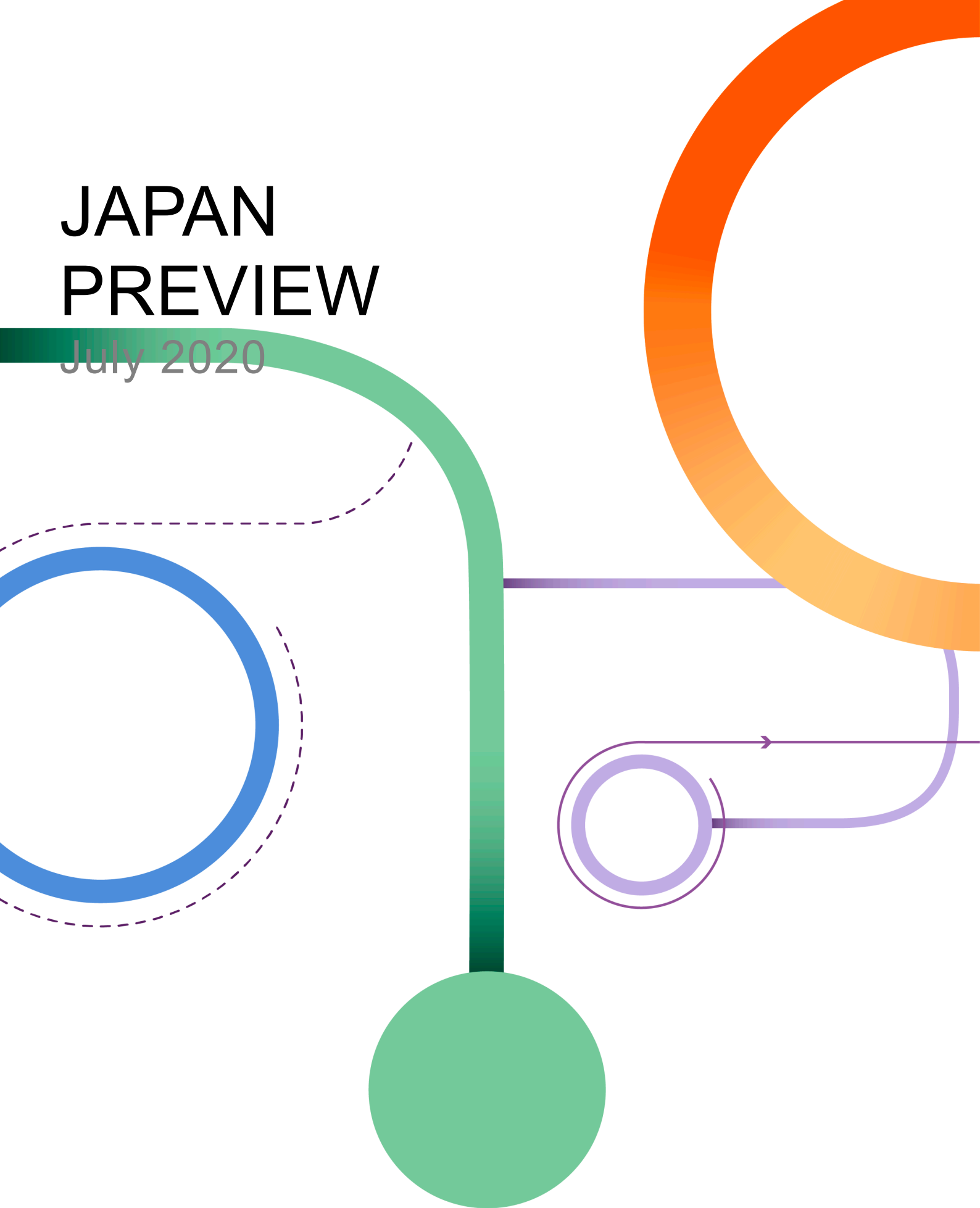


JAPAN PREVIEW

July 2020



WILEY

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芸術

A Companion to Textile Culture

EDITOR JENNIFER HARRIS & SERIES EDITOR DANA ARNOLD

University of Manchester, UK; University of Southampton

SERIES: BLACKWELL COMPANIONS TO ART HISTORY

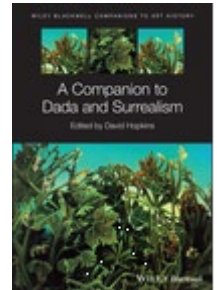
JULY 2020 UnknownPP
 978-1-118-76890-7 CL \$195.00 (Japan)
 General & Introductory Art & Applied Arts

A Companion to Dada and Surrealism

EDITOR DAVID HOPKINS & SERIES EDITOR DANA ARNOLD

University of Glasgow; University of Southampton

This excellent overview of new research on Dada and Surrealism blends expert synthesis of the latest scholarship with completely new research, offering historical coverage as well as in-depth discussion of thematic areas ranging from criminality to gender.



- This book provides an excellent overview of new research on Dada and Surrealism from some of the finest established and up-and-coming scholars in the field
- Offers historical coverage as well as in--depth discussion of thematic areas ranging from criminality to gender
- One of the first studies to produce global coverage of the two movements, it also includes a section dealing with the critical and cultural aftermath of Dada and Surrealism in the later twentieth century
- Dada and Surrealism are arguably the most popular areas of modern art, both in the academic and public spheres

SERIES: BLACKWELL COMPANIONS TO ART HISTORY

JULY 2020 UnknownPP
 978-1-119-23822-5 PB \$59.95 (Japan)
 9781118476185 CL \$202.75 (Japan), Published May 2016
 Art History & Theory

会計学

SEC Reporting

BDO USA

This title clarifies new, difficult, and important reporting and disclosure requirements for SEC Reporting. You'll learn:

- The latest SEC developments and hot buttons.
- How to apply regulations S-X, S-K, and other SEC guidance.
- How to prepare and review financial statements and their related disclosures.

It includes AS 3101, The Auditor's Report on an Audit of Financial Statements When the Auditor Expresses an Unqualified Opinion.

SERIES: AICPA
JULY 2020 UnknownPP
978-1-119-72442-1 PB \$177.50 (Japan)
Corporate / Managerial Accounting

Real Frauds Found in Governments

LYNDA DENNIS

Frauds in governments are as unique as government entities themselves. In this book, you will learn about real-world government fraud, including cyber fraud, and your responsibilities when dealing with government. Analyzing several unique frauds that occurred in the sector, this book offers a comprehensive learning approach using examples, explanations of audit standards, and informative case studies. Key topics include: misappropriation of assets, external financial reporting, cyber fraud, management override, and improper use of procurement cards.

SERIES: AICPA
JULY 2020 96PP
978-1-119-72331-8 PB \$72.50 (Japan)
Government Accounting

建築学

Taxation Essentials of LLCs and Partnerships

LARRY TUNNELL & ROBERT RICKETTS

This book helps address the tax consequences of the most common transactions engaged in by limited liability corporations (LLCs) and partnerships. You will develop a level of comfort with the basic conceptual framework underlying partnership and LLC taxation, as well as gain an explanation of the tax consequences associated with issues most frequently confronted by tax practitioners. Topics covered include: basic tax structure of partnerships and LLCs; electing to be taxed as a partnership: "check-the-box" rules; tax consequences of partnership or LLC formation; partnership distributions; compensatory payments to partners; at-risk and passive activity limits; profit and loss allocations: general rules and restrictions; and reporting taxable income for partnerships and LLCs.

SERIES: AICPA

JULY 2020 UnknownPP
978-1-119-72232-8 PB \$122.50 (Japan)
Corporate Taxation

Urban Futures

Designing the Digitalised City

GUEST EDITOR MARK BURRY

RMIT University

Given the rapid evolution of concepts such as smart cities, who are the architects riding the wave of new possibilities for urban design? How do contemporary agencies find pathways to understand the challenges and opportunities presented by evolving urban technology, and how does architecture engage with the expanding pool of associated disciplines? How should schools of architecture and urban design engage with radical digitalised urbanism?



This issue of AD claims that this is contested territory. The two-dimensionality of planners' urban construct is as limited as engineers' predilection to zero-in and solve problems. Urban Futures contends that society needs a much broader professional brush than has been applied in the past: interdisciplinary urban design professionals who can reach across the philosophy and mundanity of urban existence with a creative eye. The issue identifies a selection of internally resourceful visionaries who combine sociology, geography, logistics and systems theory with the practical realities and challenges of mobility, sustainable materials, food, water and energy supply, and waste disposal. Crucially, they seek to ensure better urban futures, and a civil and convivial urban experience for all city dwellers.

Contributors: Refik Anadol, Philip Belesky, Shajay Bhooshan, Jane Burry and Marcus White, Thomas Daniell, Vicente Guallart, Shan He, Wanyu He, Dan Hill, Justyna Karakiewicz, Tom Kvan, Areti Markopoulou, Ed Parham, Carlo Ratti, Ferran Sagarra, and Bige Tunçer.

Featured architects: Arup Digital Studio, Guallart Architects, Space10, Space Syntax, UNStudio, and XKool Technology.

SERIES: ARCHITECTURAL DESIGN

JULY 2020 144PP
978-1-119-61756-3 PB \$39.95 (Japan)
Architectural Theory

ビジネス

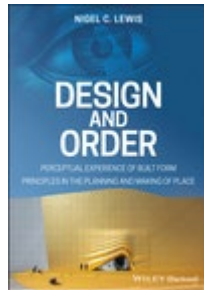
Design and Order

perceptual experience of built form principles in the planning and making of place

NIGEL C. LEWIS

Teaches the principles behind the successful planning and creation of inspired built forms and urban places

This book offers an integrated understanding of both the principles and the perception of the design of built environments and public spaces. It outlines the fundamental characteristics that are evident in the creation of built form and illustrates how they determine the experience of resultant places. It also consolidates the key criteria that need to be taken into consideration in the development of these areas. All of the above-mentioned aims to provide designers with a solid understanding of the implications of their decisions on perception and behavior during the creation of new spaces.



Design and Order: Perceptual experience of built form - Principles in the Planning and Making of Place starts by examining the designing of natural environments and the affect that they have on humans. It teaches readers how people experience and are shaped by a space--via their eyes, brain, and overall perception. It then instructs on proper grammar of form and syntax so that designers can understand how to pursue design processes systematically. The book then takes readers through this process of designing, informing them on the principles of form, function, configuration, communication, organization, color and contrasts, building structures, good practice and more.

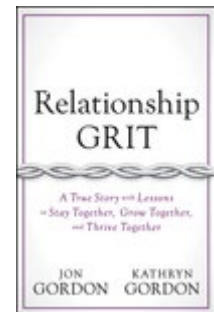
- Seeks to improve the methodological approach to the planning and design of buildings
- Broadly address all of the functions that impact the realization of new built and urban form
- Outlines the fundamental characteristics that are evident in the design of built forms and illustrates how these characteristics determine the experience of the resultant places
- Comprehensively covers the ideas, principles, and the perception of design
- Teaches designers to make informed decisions about applying or discarding principles when creating spaces.

JULY 2020 288PP
978-1-119-53951-3 PB \$70.00 (Japan)
Design, Drawing & Presentation

Relationship Grit

A True Story with Lessons to Stay Together, Grow Together, and Thrive Together

JON GORDON, PONTE VEDRA BEACH,
UNITED STATES & KATHRYN GORDON



JULY 2020 160PP
978-1-119-43033-9 CL \$23.00 (Japan)
Business Self-Help

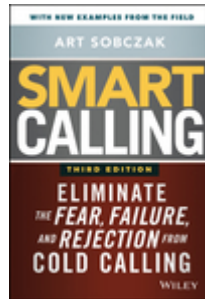
Smart Calling

Eliminate the Fear, Failure, and Rejection from Cold Calling, 3rd Edition

ART SOBCZAK

Master cold-calling and eliminate rejection forever

In the newest edition of *Smart Calling: Eliminate the Fear, Failure, and Rejection from Cold Calling*, celebrated author and sales trainer, Art Sobczak packs even more powerful insight into what many people fear: prospecting by phone for new business. This best-selling guide to "never experiencing rejection again" has consistently found its way into the Top 20 in Amazon's Sales category, because its actionable sales tips and techniques have helped many minimize their fears and eliminate rejection.



The newest edition builds upon the very successful formula of the last edition to help sales professionals take control of their strategy and get more yeses from their prospects. With new information, this info-packed release provides powerful sales insights, including:

- The foundational concepts of cold calling, featuring real-life examples you can carry with you into your sales career
- Multiple case studies and messaging from successful salespeople across the globe, providing even more insight into what works and what's a waste of your time
- New methodologies that are proven to push you past your fear and into the world of successful prospecting
- Free access to Art Sobczak's *Smart Calling Companion Course*, where he builds on the many techniques and strategies in the book, and will update it with new material and tech resources so that you will always have the current best practices and tools.

If you're failing to convert your prospects into dollars, *Smart Calling* will help you push past the obstacles holding you back until you're an expert at taking a "no" and turning it into a "yes."

JULY 2020 288PP
978-1-119-67672-0 CL \$25.00 (Japan)
BUSINESS SELF-HELP

The Design Thinking Life Playbook

Empower Yourself, Embrace Change, and Visualize a Joyful Life

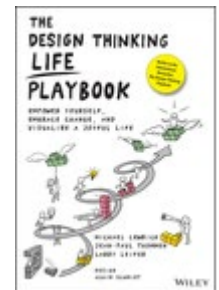
MICHAEL LEWRICK, SWITZERLAND, JEAN-PAUL THOMMEN & LARRY LEIFER, UNITED STATES

"Based on positive psychology and design thinking, this inspiring book shows how to courageously follow your own path."

--Prof. Antoinette Weibel, University of St. Gallen

"A valuable companion for all personal changes and future plans."

--Prof. Isabell M. Welp, Technical University of Munich



The Design Thinking Playbook is for everyone who can imagine living in a future that fulfills them and makes them feel better. It's for all those who want to initiate change through self-empowerment and have the courage to think, act, and take advantage of their opportunities proactively.

JULY 2020 272PP
978-1-119-68224-0 PB \$29.00 (Japan)
Strategic Management

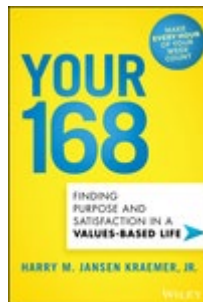
Your 168

Finding Purpose and Satisfaction in a Values-Based Life

HARRY M. KRAEMER, CHICAGO

Put your values first and devote the time to focus on what matters most

Despite our good intentions, many of us experience a chronic imbalance between the desire to live our values and the distractions and never-ending to-do lists that can get in the way. In *Your 168: Finding Purpose and Satisfaction in a Values-Based Life*, written by 2014 Professor of the Year Finalist and bestselling author Harry M. Kraemer, readers learn to put their values and priorities first. By helping you discover the dissonance between what matters most to you and the time you devote to those priorities, you'll uncover the obstacles to leading a value-based life--and how to make changes and build new habits that put your values first. You'll learn how to lead a values-based life by:



*Using self-reflection to review the way you spend your time

*Reevaluating your actions so that you can focus on what matters most in life

*Tracking how your daily life gets in the way of your values and priorities

*Making decisions with intention and purpose, rather than simply reacting

For fans of Kraemer's previous books, *Your 168: Finding Purpose and Satisfaction in a Values-Based Life*, this new release provides actionable advice on leading a values-based lifestyle. Filled with tips on how to live a life of meaning and stay engaged with your values and sense of purpose, even the busiest professional will feel inspired to make lasting change.

JULY 2020 208PP
978-1-119-65854-2 CL \$28.00 (Japan)
Management / Leadership

Corporate Governance and Accountability

5th Edition

JILL SOLOMON

JULY 2020 432PP
978-1-119-56120-0 PB \$94.00 (Japan)
CORPORATE GOVERNANCE



Applied Risk Analysis for Guiding Homeland Security Policy and Decisions

SAMRAT CHATTERJEE, ROBERT T. BRIGANTIC & ANGELA M. WATERWORTH

Presents various challenges faced by security policy makers and risk analysts, and mathematical approaches that inform homeland security policy development and decision support



Compiled by a group of highly qualified editors, this book provides a clear connection between risk science and homeland security policy making and includes top-notch contributions that uniquely highlight the role of risk analysis for informing homeland security policy decisions. Featuring discussions on various challenges faced in homeland security risk analysis, the book seamlessly divides the subject of risk analysis for homeland security into manageable chapters, which are organized by the concept of risk-informed decisions, methodology for applying risk analysis, and relevant examples and case studies.

Applied Risk Analysis for Guiding Homeland Security Policy and Decisions offers an enlightening overview of risk analysis methods for homeland security. For instance, it presents readers with an exploration of radiological and nuclear risk assessment, along with analysis of uncertainties in radiological and nuclear pathways. It covers the advances in risk analysis for border security, as well as for cyber security. Other topics covered include: strengthening points of entry; systems modeling for rapid containment and casualty mitigation; and disaster preparedness and critical infrastructure resilience.

Applied Risk Analysis for Guiding Homeland Security Policy and Decisions is an excellent textbook and/or supplement for upper-undergraduate and graduate-level courses related to homeland security risk analysis. It will also be an extremely beneficial resource and reference for homeland security policy analysts, risk analysts, and policymakers from private and public sectors, as well as researchers, academics, and practitioners who utilize security risk analysis methods.

SERIES: WILEY SERIES IN OPERATIONS RESEARCH AND MANAGEMENT SCIENCE

JULY 2020 528PP
978-1-119-28746-9 CL \$130.00 (Japan)
Risk, Contingency & Crisis Management

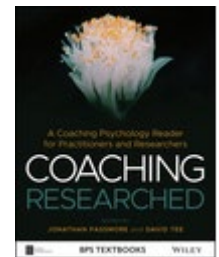
Coaching Researched

Using Coaching Psychology to Inform Your Research and Practice

JONATHAN PASSMORE & DAVID TEE

University of East London, UK

This book will be a collection of papers from the BPS publication: International Coaching Psychology Review. The new work would bring together the best papers from the last 15 years of the peer review publication, with the aim of more widely showcasing this research, making more accessible to the growing number of coaching researchers in business, health and education, and practitioners where there is a growing interest in evidenced based practice.



The last five years have seen a growth in the number of University courses in the UK, and wider English speaking world; Australia, South Africa, and US, as well as in Europe and beyond. We now estimate some fifty plus universities are offering coaching programmes at post-graduate level, with several hundred under-graduate and post-graduate coaching modules leading to a significant growth in coaching related research activity within universities.

A second audience we see for the title are practitioners interested in evidenced based practice. In the early development of coaching the focus was on models, specifically those claiming high impact of magical transformations. The growing professionalism of coaching, and the focus of coaching professional bodies such as the International Coach Federation (ICF), Association for Coaching (AC) and European Mentoring and Coaching Council (EMCC) on evidenced based practice, as seen a growth interest in the science of coaching.

ICPR's growth has been limited as access to the journal is constrained by the BPS. A paper copy of the journal is published, but due to BPS's approach to its in-house 'journals' the use of discoverability on the journals is severely constrained. As a result many of the papers are not in wider circulation, among coaching students and coaching academics.

SERIES: BPS TEXTBOOKS IN PSYCHOLOGY

JULY 2020 225PP
978-1-119-65688-3 PB \$50.00 (Japan)
Training & Human Resource Development / Coaching & Mentoring

The Jeb Blount Box Set

JEB BLOUNT, UNITED STATES

Author, motivational speaker, coach and successful sales executive, Jeb Blount is the founder and CEO of SalesGravy.com, often called the Facebook of the sales profession and the host of Sales Guy's Quick and Dirty Tips for Getting the Deal Done podcast. Over the span of his career, Jeb has coached, trained, and developed thousands of sales professionals, managers and leaders. With twenty years of sales and executive leadership he has extensive experience turning around and righting troubled organizations. Today, through his consultancy The Sales Leadership Group, he helps struggling sales organizations develop into high performing, productive sales teams.

///Components///

Fanatical Prospecting: The Ultimate Guide to Opening Sales Conversations and Filling the Pipeline by Leveraging Social Selling, Telephone, Email, Text, and Cold Calling (Cloth) , by: Jeb Blount, Mike Weinberg
978-1-119-14475-5

Sales EQ: How Ultra High Performers Leverage Sales-Specific Emotional Intelligence to Close the Complex Deal (Cloth) , by: Jeb Blount, Anthony Iannarino
978-1-119-31257-4

Objections: The Ultimate Guide for Mastering The Art and Science of Getting Past No (Cloth) , by: Jeb Blount, Mark Hunter
978-1-119-47738-9

INKED: The Ultimate Guide to Powerful Closing and Sales Negotiation Tactics that Unlock YES and Seal the Deal (Cloth) , by: Jeb Blount
978-1-119-54051-9

JULY 2020
978-1-119-71963-2 CL \$108.00 (Japan)
Marketing & Sales

Real Frauds Found in Not-for-Profits

LYNDA DENNIS

Due to the nature of not-for-profits, fraud may be more common than it seems. This book shows how to recognize red flags of fraud, including cyber fraud. It offers a comprehensive learning approach using real-world examples, explanations of audit standards, and informative case studies that analyze several unique frauds which occurred in the not-for-profit industry. Key topics covered are: misappropriation of benefits, pledges and contributions, cyber fraud, and grant expense allocations.

SERIES: AICPA

JULY 2020 96PP
978-1-119-72326-4 PB \$67.50 (Japan)
Non-Profit Organizations / Finance & Accounting

Do More Faster in India

Techstars Lessons to Accelerate Your Startup
2nd Edition

BRAD FELD

Each vignette in this book is an exploration of advice often heard during the Techstars program. Rather than trying to capture it all ourselves, the authors have asked the mentors and the founders who have been through the program to help with the task of putting it down on paper (or virtual paper, depending on your medium of choice for reading.) Some parts of this book will almost certainly be in conflict. At Techstars, one of the favorite sayings is "it's just data," so everything the authors present here should be viewed as input and nothing more (to learn more about this, take a look at Bill Warner's essay titled "It's Just Data.") Recognize that one will have to make his or her own judgments and decisions about what's right for their own business. This book has seven sections - each focusing on a major theme within the Techstars program and within early stage entrepreneurship. The sections are: Idea and Vision, People, Working Efficiently, Product, Fundraising, Legal and Structure, and Work / Life Balance. Within each section are several individual essays. While a few of them were written by one of the authors, Techstars mentors or entrepreneurs who participated in the program wrote most of the essays. Essays written by a founder of a company that went through Techstars include a small icon showing the year that they were in the program. When you don't see that icon, it was written by one of the mentors.

There are several other new chapter written exclusively for those creating startups in India:

- * A legal chapter that is focused on Indian law
- * An introductory chapter by David Cohen and David Brown on why Techstars came to India
- * An introductory chapter by Bala Girisaballa on why India needs Techstars

JULY 2020 416PP
978-1-119-69918-7 CL \$16.95 (Japan)
Small Business & Entrepreneurship

The Startup Playbook

Founder-to-Founder Advice from Two Startup Veterans

RAJAT BHARGAVA & WILL HERMAN

The Startup Playbook is the go-to resource for any first-time entrepreneur interested in creating and building a new startup company. Bhargava and Herman address the specific issues and opportunities that founders face as they start and grow their businesses. Whether the reader is just dabbling with the idea of becoming a founder or ready to start their journey, *The Startup Playbook* can help anyone determine whether entrepreneurship is the right path for them.

This book is written in twelve chapters in four sections. The first section is about what it means to be an entrepreneur; the second about moving from your idea to a company; the third about funding your startup. Finally, the fourth section is about how to run your new startup. Throughout, *The Startup Playbook* answers the biggest startup questions and challenges entrepreneurs are likely to face, such as:

- Is a Startup for you?
- Why You Need a Co-founding Team and How to Build it
- How to Execute
- How to Turn Your Idea Into a Winning Product or Service
- How to Raise Money to Fuel Your Startup
- How to Find People and Build a Killer Team

SERIES: TECHSTARS

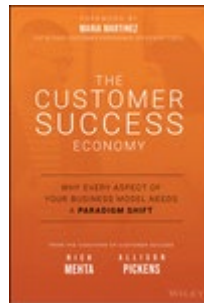
JULY 2020 384PP
978-1-119-70851-3 CL \$24.95 (Japan)
Small Business & Entrepreneurship

The Customer Success Economy

Why Every Aspect Of Your Business Model Needs A Paradigm Shift

NICK MEHTA & ALLISON PICKENS

If leaders aren't integrating their digital offerings into a philosophy of Customer Success, they will be defeated in the next decade, because technical excellence and other traditional competitive advantages are becoming too easy to imitate. This book will give examples and specifics of how companies can transform. This book will address the pains of transforming organizational charts, leadership roles and responsibilities and strategies, so the whole company works together in total service to the customer. It will give leaders an understanding of how their digital implementations will make them more Amazon-like, deliver recurring revenue, less churn and customer retention.



JULY 2020 352PP
978-1-119-57276-3 CL \$28.00 (Japan)
Business & Management Special Topics

Shapers

Moving with the New World of Work

JONAS ALTMAN

Shapers is an essential guide for those who believe that it's no longer a frivolous pipe dream to find meaning in work -- but instead a must. Seeking to reinvent work, we are motivated by distinctly human qualities: curiosity, connection, and contribution. We are willing to experiment to shape a new - and better - system of work.

Work is no longer a place you go but rather it's become something you do. We now work in places, ways, and on things that were once the stuff of sci-fi flicks. Shapers is an expose that shows work can be both a serious and soulful affair. It's a chronicle of the trailblazers that are humanising work. In Shapers you will discover:

- The nature of work and why it is changing
- The secret sauce to help you navigate the future of work with ease
- How to find more meaning in work and improve the way you and your teams function
- Exclusive transcripts from movers and shakers of the future of work movement

By reading this book, you're joining a growing movement that's fixated on making work more awesome. Welcome aboard!

JULY 2020 256PP
978-1-119-65904-4 CL \$23.00 (Japan)
Business & Management Special Topics

土木工学

Willis's Elements of Quantity Surveying
13th Edition

SANDRA LEE

Davis Langdon LLP, Abu Dhabi, UAE

Willis's Elements of Quantity Surveying has become a standard text in the teaching of building measurement -- a core part of the degree curriculum for quantity surveyors. The book will be fully updated to follow the guidance given by RICS NRM 1 & 2. As in previous editions the focus remains a logical approach the detailed measurement of building elements and copious use of examples to guide the student. The text has been fully revised in line with the NRM guidance and includes many new and revised examples illustrating the use of NRM. The hallmarks of previous editions -- clarity and practicality -- are maintained, while ensuring the book is fully up to date, providing the student of quantity surveying with a first class introduction to the measurement of building elements.

JULY 2020 384PP
978-1-119-63318-1 PB \$50.00 (Japan)
QUANTITY SURVEYING & CONSTRUCTION ECONOMICS

TEXT

**Models for financing, cost and risk
assessment of major railway tunnel
projects in Europe**

ERNST & SOHN

JULY 2020 150PP
978-3-433-03314-2 PB \$100.25 (Japan)
Tunnel Construction

化学工学

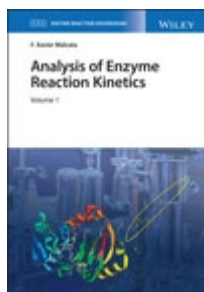
Analysis of Enzyme Reaction Kinetics

F. XAVIER MALCATA

Instituto Superior da Maia

Comprehensively introduces readers to modelling of rate of enzymatic reactions, including effects of physicochemical parameters

Analysis of Enzyme Reaction Kinetics is the second set in a unique eleven-volume collection on Enzyme Reactor Engineering. It describes rate expressions pertaining to enzymatic reactions, including modulation by physicochemical factors, as well as tools for prediction and control of how fast substrates are transformed to products. Volume 1 details rate expressions mathematically derived from mechanistic postulates, and is complemented by appropriate statistical approaches to fit them to experimental data. Volume 2 discusses the effects of physical and chemical parameters upon the rates of both enzyme-catalyzed and enzyme-deactivation reactions.



Starting with basic concepts and historical perspectives, the first volume introduces readers to the mathematics of rate expressions. It then goes on to cover kinetic features and the many forms of Michaelis & Menten's-type rate expressions (single and multiple enzymes, autocatalysis, single and multiple substrates, multiphasic systems, etc.), and concludes with the statistical analysis of rate expressions -- including the assessment of data, fitting of models to data, and generation of data themselves. The second volume introduces readers to physicochemical modulation of reaction rate -- starting with basic concepts, and looking specifically at temperature-, mechanical force-, pH- and compound-driven effects: both unimodal and bimodal deactivation are considered.

SERIES INFORMATION

Enzyme Reactor Engineering is organized into four major sets: *Enzyme Reaction Kinetics and Reactor Performance*; *Analysis of Enzyme Reaction Kinetics*; *Analysis of Enzyme Reactor Performance*; and *Mathematics for Enzyme Reaction Kinetics and Reaction Performance*.

SERIES: ENZYME REACTION ENGINEERING

JULY 2020 1472PP
978-1-119-49024-1 CL \$425.00 (Japan)
General & Introductory Chemical Engineering

Packaging Technology and Engineering

Pharmaceutical, Medical and Food Applications

DIPAK KUMAR SARKER

School of Pharmacy and Biomolecular Science

JULY 2020 474PP
978-1-119-21391-8 CL \$190.00 (Japan)
Process Engineering



Process Gas Chromatographs

Fundamentals, Design and Implementation

TONY WATERS

A guide to the fundamentals of applied gas chromatography and the process gas chromatograph, with practical procedures for design and troubleshooting

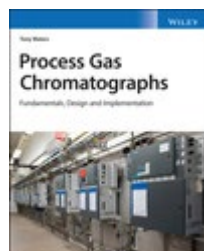
This comprehensive resource provides the theory that underpins a full understanding of the fundamental techniques of gas chromatography and the process analyzer. Without relying on complex mathematics, the book addresses hands-on applications of gas chromatographs within process industries. The author -- a noted expert on the topic -- details both the scientific information needed to grasp the material presented and the practical applications for professionals working in the field.

Process Gas Chromatographs: Fundamentals, Design and Implementation comprises 15 chapters, a glossary of terms and a series of self-assessment questions and quizzes. This important resource:

- Describes practical procedures for design and troubleshooting
- Contains concise chapters that provide a structured course for advanced students in process engineering
- Reviews the fundamentals of applied gas chromatography
- Details the operation and maintenance of process gas chromatographs
- Offers a summary, and self-assessment questions, for every chapter
- Is written by an international expert in the field with extensive industry knowledge and teaching experience in courses on process sampling systems and gas chromatography

Written for process analyzer engineers and technicians, application engineers, and industrial environmental engineers, *Process Gas Chromatographs: Fundamentals, Design and Implementation* offers an essential guide to the basics of gas chromatography and reviews the applications of process gas chromatographs in industry today.

JULY 2020 276PP
978-1-119-63304-4 CL \$160.00 (Japan)
Process Engineering



Profit Maximization Techniques for Operating Chemical Plants

SANDIP K. LAHIRI

A systematic approach to profit optimization utilizing strategic solutions and methodologies for the chemical process industry

In the ongoing battle to reduce the cost of production and increase profit margin within the chemical process industry, leaders are searching for new ways to deploy profit optimization strategies. *Profit Maximization Techniques For Operating Chemical Plants* defines strategic planning and implementation techniques for managers, senior executives, and technical service consultants to help increase profit margins.

The book provides in-depth insight and practical tools to help readers find new and unique opportunities to implement profit optimization strategies. From identifying where the large profit improvement projects are to increasing plant capacity and pushing plant operations towards multiple constraints while maintaining continuous improvements--there is a plethora of information to help keep plant operations on budget.

The book also includes information on:

- *Take away methods and techniques for identifying and exploiting potential areas to improve profit within the plant
- * Focus on latest Artificial Intelligence based modeling, knowledge discovery and optimization strategies to maximize profit in running plant.
- *Describes procedure to develop advance process monitoring and fault diagnosis in running plant
- *Thoughts on engineering design , best practices and monitoring to sustain profit improvements
- *Step-by-step guides to identifying, building, and deploying improvement applications

For leaders and technologists in the industry who want to maximize profit margins, this text provides basic concepts, guidelines, and step-by-step guides specifically for the chemical plant sector.

JULY 2020 412PP
978-1-119-53215-6 CL \$180.00 (Japan)
Process Engineering



化学

Laboratory Control System Operations in a GMP Environment

DAVID M. BLIESNER

Delphi Analytical Services, Inc., Indian Rocks Beach, Florida.

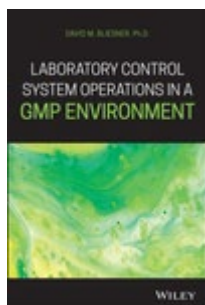
Develop an understanding of FDA and global regulatory agency requirements for Laboratory Control System (LCS) operations

In *Laboratory Control System Operations in a GMP Environment*, readers are given the guidance they need to implement a CGMP compliant Laboratory Control System (LCS) that fits within Global Regulatory guidelines. Using the Quality Systems Approach, regulatory agencies like the FDA and the European Medicine Agency have developed a scheme of systems for auditing pharmaceutical manufacturing facilities which includes evaluating the LCS. In this guide, readers learn the fundamental rules for operating a CGMP compliant Laboratory Control System.

Designed to help leaders meet regulatory standards and operate more efficiently, the text includes chapters that cover Laboratory Equipment Qualification and Calibration, Laboratory Facilities, Method Validation and Method Transfer, Laboratory Computer Systems, Laboratory Investigations as well as Data Governance and Data Integrity. The text also includes chapters related to Laboratory Managerial and Administrative Systems, Laboratory Documentation Practices and Standard Operating Procedures and General Laboratory Compliance Practices. Additionally, a chapter outlining Stability Program operations is included in the text.

For quality assurance professionals working within the pharmaceutical or biopharma industries, this text provides the insight and tools necessary to implement government-defined regulations.

JULY 2020 352PP
978-1-119-52923-1 CL \$150.00 (Japan)
Quality Assurance



Handbook of Trace Evidence Analysis

VINCENT J. DESIDERIO, CHRIS E. TAYLOR & NIAMH NíCDAÉID

Covers new trace evidence techniques and expanding areas of analysis, along with key theory and applications

Developed around the need for updated information in the disciplines of trace evidence the *Handbook of Trace Evidence Analysis* focuses on the increasing awareness and need for validation, modern methods for addressing and controlling contamination, the shift towards incorporating statistical analyses into the interpretation phase and cutting edge research into new forensic science methods and their application.

Beginning with an overview of the topic and discussing the important role that information derived from trace materials can provide during investigations, the book then presents chapters on key techniques. The first being the critical nature of microscopy, and the methods employed for the recognition, collection, and preservation of trace evidence. Subsequent chapters review the core disciplines of trace evidence examination: paints and polymers, hairs, fibers and textiles and glass. Each chapter contains in-depth discussions on the origin of the materials involved, including any natural or synthetic processes involved in their production, the nuances involved in their detection, and the methods of analysis that are used to extract valuable information from samples. In addition, suggested workflows in method and testing selections, as well as addressing specific scientific challenges as well as the limitations of knowledge on the transfer, persistence and background abundance of trace materials are discussed. The book ends by examining the interpretation of trace evidence findings from a historical perspective and examining the methods that are currently being developed.

JULY 2020 450PP
978-1-118-96211-4 CL \$120.00 (Japan)
Forensics



Environmental Chemistry

A Comprehensive Approach

MUHAMMAD A. HANIF, FARWA NADEEM, IJAZ AHMAD
BHATTI & HAFIZ MUHAMMAD KHAN

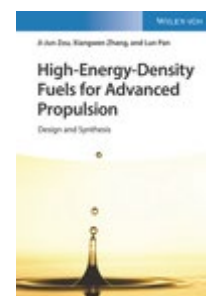
JULY 2020 UnknownPP
978-1-119-65091-1 CL \$249.00 (Japan)
Environmental Chemistry

High-Energy-Density Fuels for Advanced Propulsion

Design and Synthesis

JI-JUN ZOU, XIANGWEN ZHANG & LUN PAN

This book comprehensively and systematically demonstrates the theory and practice of designing, synthesizing and improving the performance of fuels, and connect the rod from the past, current and future of fuel chemistry and technology. The contents range from polycyoalkane fuels, strained fuels, alky-diamondoid fuels, hypergolic and nanofluid fuels derived from fossil and biomass. All the chapters together clearly describe the important aspects of HED fuels including molecular design, synthesis route, physiochemical properties, and their application in improving the aerocraft performance. Vivid schematics and illustrations throughout the book enhance the accessibility to the relevant theory and technologies. This book will provide the readers with fundamentals on high-energy-density fuels and their potential in advanced aerospace propulsion, and also provide the readers with inspirations for new development of advanced aerospace fuels.



JULY 2020 520PP
978-3-527-34669-1 CL \$176.04 (Japan)
Petrochemistry / Fuel

Heterogeneous Catalysts

Advanced Design, Characterization and Applications

WEI YANG TEOH, ATSUSHI URAKAWA, YUN HAU NG & PATRICK SIT

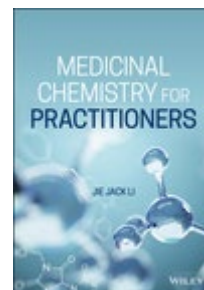
The book focuses on emerging techniques in heterogeneous catalysis, from new methodology for catalysts design and synthesis, surface studies and operando spectroscopies, ab initio techniques, to critical catalytic systems as relevant to energy and the environment. It provides the vision of addressing the foreseeable knowledge gap unfilled by classical knowledge in the field.

JULY 2020 768PP
978-3-527-34415-4 CL \$405.00 (Japan)
Heterogeneous Catalysis

Medicinal Chemistry for Practitioners

JIE JACK LI

Presenting both a panoramic introduction to the essential disciplines of drug discovery for novice medicinal chemists as well as a useful reference for veteran drug hunters, this book summarizes the state-of-the-art of medicinal chemistry. It covers key drug targets including enzymes, receptors, and ion channels, and hit and lead discovery. The book then surveys a drug's pharmacokinetics and toxicity, with a solid chapter covering fundamental bioisosteres as a guide to structure-activity relationship investigations.



JULY 2020 400PP
978-1-119-60728-1 CL \$175.00 (Japan)
Drug Discovery & Development

Hybrid Organic-Inorganic Perovskites

LI WEI, ALESSANDRO STROPPA, SONG GAO, ZHIMING WANG
& ANTHONY K. CHEETHAM

University of Arkansas, Fayetteville, USA; Materials Research
Laboratory, University of California, Santa Barbara, USA

This book summarizes the chemical variability and structural diversity of all known hybrid organic-inorganic perovskites subclasses including halides, azides, formates, dicyanamides, cyanides and dicyanometallates. It also presents a comprehensive account of their intriguing physical properties, including photovoltaic and optoelectronic properties, dielectricity, magnetism, ferroelectricity, ferroelasticity and multiferroicity. Moreover, the current challenges and future opportunities in this exciting field have also been discussed. Such a timely book will definitely show the readers a complete landscape of hybrid organic-inorganic perovskites and associated multifunctionalities.

JULY 2020 312PP
978-3-527-34431-4 CL \$153.90 (Japan)
Inorganic Structures

Quantum Chemistry and Dynamics of Excited States

Methods and Applications

LETICIA GONZALEZ & ROLAND LINDH

**An introduction to the rapidly
evolving methodology of electronic
excited states**

For academic researchers, postdocs, graduate and undergraduate students, *Quantum Chemistry and Dynamics of Excited States: Methods and Applications* reports the most updated and accurate theoretical techniques to treat electronic excited states. From methods to deal with stationary calculations through time-dependent simulations of molecular systems, this book serves as a guide for beginners in the field and knowledge seekers alike. Taking into account the most recent theory developments and representative applications, it also covers the often-overlooked gap between theoretical and computational chemistry.



An excellent reference for both researchers and students, *Excited States* provides essential knowledge on quantum chemistry, an in-depth overview of the latest developments, and theoretical techniques around the properties and nonadiabatic dynamics of chemical systems.

For those searching for a better understanding of excited states as they relate to chemistry, biochemistry, industrial chemistry, and beyond, *Quantum Chemistry and Dynamics of Excited States* provides a solid education in the necessary foundations and important theories of excited states in photochemistry and ultrafast phenomena.

JULY 2020 718PP
978-1-119-41775-0 CL \$285.00 (Japan)
Physical Chemistry

Crystals and Crystal Structures

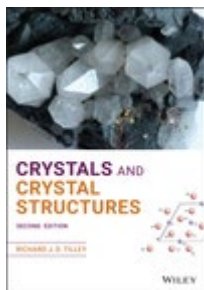
2nd Edition

RICHARD J. D. TILLEY

Cardiff University

An authoritative, updated text that offers an introduction to crystals and crystal structure with coverage of crystallography, and microscopy of materials

Written in a friendly, non-mathematical style, the updated second edition of *Crystals and Crystal Structures* offers a comprehensive exploration of the key elements of crystals and crystal structures. Starting with the basics, it includes information on multiple areas of crystallography, including modulated structures, quasicrystals and protein crystallography, and interdisciplinary applications as diverse as the relationship between physical properties and symmetry.



To enhance comprehension of the material presented, the book contains a variety of problems and exercises. The revised second edition offers new material and updates in the field including:

- An introduction to the use of high intensity X-ray analysis of protein structures
- Advances in imaging, scanning electron microscopy, and cryo-electron microscopy
- The relationship between symmetry and physical properties highlighting new findings and an introduction to tensor notation in describing these relationships in a concise fashion
- Nanoparticles as well as crystallographic aspects, defects, surface defects and the impact of these crystallographic features on properties
- Perovskite structures and their variations and the inclusion of their wide-ranging properties

Written for students of crystallography, chemistry, physics, materials science, biosciences and geology, *Crystals and Crystal Structures, Second Edition* provides an understanding of the subject and enables students to read scientific papers and articles describing a crystal structure or use crystallographic databases.

JULY 2020 350PP
978-1-119-54838-6 PB \$90.00 (Japan)
SOLID STATE CHEMISTRY

TEXT

Bioelectrosynthesis of Value-added Products

AIJIE WANG, WENZONG LIU, BO ZHANG & WEIWEI CAI

The book systemically introduces the hot issues including potential value-added products via bioelectrochemical system, reactor development of bioelectrosynthesis, and microbial biology on biofilm communities and metabolism pathways. It will provide unique viewpoints on basic principles and mechanisms, new development on reactor and microbial ecology, giving a different view of main facets of bioelectrosynthesis.

JULY 2020 424PP
978-3-527-34378-2 CL \$164.97 (Japan)
Electrochemistry

Electrochemical Systems

4th Edition

JOHN NEWMAN & NITASH P. BALSARA

University of California, Berkley

Provides a comprehensive understanding of a wide range of systems and topics in electrochemistry

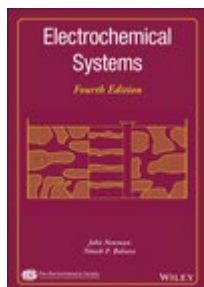
This book offers complete coverage of electrochemical theories as they pertain to the understanding of electrochemical systems. It describes the foundations of thermodynamics, chemical kinetics, and transport phenomena—including the electrical potential and charged species. It also shows how to apply electrochemical principles to systems analysis and mathematical modeling. Using these tools, the reader will be able to model mathematically any system of interest and realize quantitative descriptions of the processes involved.

This brand new edition of *Electrochemical Systems* updates all chapters while adding content on lithium battery electrolyte characterization and polymer electrolytes. It also includes a new chapter on impedance spectroscopy. Presented in 4 sections, the book covers: Thermodynamics of Electrochemical Cells, Electrode Kinetics and Other Interfacial Phenomena, Transport Processes in Electrolytic Solutions, and Current Distribution and Mass Transfer in Electrochemical Systems. It also features three appendixes containing information on: Partial Molar Volumes, Vectors and Tensors, and Numerical Solution of Coupled, Ordinary Differential Equations.

Electrochemical Systems, Fourth Edition is an excellent resource for students, scientists, and researchers involved in electrochemical engineering.

SERIES: THE ECS SERIES OF TEXTS AND MONOGRAPHS

JULY 2020 704PP
978-1-119-51460-2 CL \$175.00 (Japan)
ELECTROCHEMISTRY



Molecular-Scale Electronics

Concept, Fabrication and Application

XUEFENG GUO, XIANG DONG & YU LI

Provides in-depth knowledge on molecular electronics and emphasizes the techniques for designing molecular junctions with controlled functionalities

This comprehensive book covers the major advances with the most general applicability in the field of molecular electronic devices. It emphasizes new insights into the development of efficient platform methodologies for building such reliable devices with desired functionalities through the combination of programmed bottom-up self-assembly and sophisticated top-down device fabrication. It also helps to develop an understanding of the device fabrication processes and the characteristics of the resulting electrode-molecule interface.

Beginning with an introduction to the subject, *Molecular-Scale Electronics: Concept, Fabrication and Applications* offers full chapter coverage on topics such as: Metal Electrodes for Molecular Electronics; Carbon Electrodes for Molecular Electronics; Other Electrodes for Molecular Electronics; Novel Phenomena in Single-Molecule Junctions; and Supramolecular Interactions in Single-Molecule Junctions. Other chapters discuss Theoretical Aspects for Electron Transport through Molecular Junctions; Characterization Techniques for Molecular Electronics; and Integrating Molecular Functionalities into Electrical Circuits. The book finishes with a summary of the primary challenges facing the field and offers an outlook at its future.

Molecular-Scale Electronics is an excellent book for materials scientists, electrochemists, electronics engineers, physical chemists, polymer chemists, and solid-state chemists. It will also benefit physicists, semiconductor physicists, engineering scientists, and surface chemists.

JULY 2020 408PP
978-3-527-34548-9 CL \$164.97 (Japan)
Electrochemistry

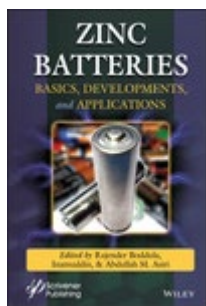
Zinc Batteries

Basics, Development, and Applications

INAMUDDIN, RAJENDER BODDULA & ABDULLAH M. ASIRI

King Abdulaziz University, Jeddah, Saudi Arabia; Aligarh Muslim University, Aligarh, India; National Center for Nanoscience and Technology (NCNST, Beijing); King Abdulaziz University, Jeddah, Saudi Arabia

Battery technology is constantly changing, and the concepts and applications of these changes are rapidly becoming increasingly more important as more and more industries and individuals continue to make "greener" choices in their energy sources. As global dependence on fossil fuels slowly wanes, there is a heavier and heavier importance placed on cleaner power sources and methods for storing and transporting that power. Battery technology is a huge part of this global energy revolution.



Zinc batteries are an advantageous choice over lithium-based batteries, which have dominated the market for years in multiple areas, most specifically in electric vehicles and other battery-powered devices. Zinc is the fourth most abundant metal in the world, which is influential in its lower cost, making it a very attractive material for use in batteries. Zinc-based batteries have been around since the 1930s, but only now are they taking center stage in the energy, automotive, and other industries.

Zinc Batteries: Basics, Development, and Applications is intended as a discussion of the different zinc batteries for energy storage applications. It also provides an in-depth description of various energy storage materials for Zinc (Zn) batteries. This book is an invaluable reference guide for electro-chemists, chemical engineers, students, faculty, and R&D professionals in energy storage science, material science, and renewable energy.

JULY 2020 272PP
978-1-119-66189-4 CL \$225.00 (Japan)
Batteries & Fuel Cells

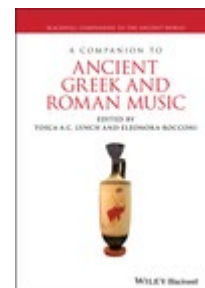
文化研究

Companion to Ancient Greek and Roman Music

TOSCA LYNCH & ELEONORA ROCCONI

SERIES: BLACKWELL COMPANIONS
TO THE ANCIENT WORLD

JULY 2020 UnknownPP
978-1-119-27547-3 CL \$210.00 (Japan)
9781119275534 PB \$54.95 (Japan) NYP, JANUARY 2024
Ancient & Classical Studies /



Whiteness in America

MONICA MCDERMOTT

READERSHIP: upper-level students
of race and ethnicity across the
social sciences, particularly in
sociology

JULY 2020 200PP
978-0-7456-7218-2 CL \$64.95 (Japan)
978-0-7456-7219-9 PB \$22.95 (Japan)
Race & Ethnicity Studies



コンピューティング

Discord For Dummies

TEE MORRIS

Increase harmony on Discord

Personal broadcasting options are at an all-time high. Discord is now one of the major players in the fray. The platform provides users of all types a place to communicate with large audiences via text, audio, or video.

Originally a favorite among gamers, Discord now pulls in users to communicate about all types of topics. *Discord For Dummies* offers the first dive into how to use and maximize results from the platform. Written by an expert in personal broadcasting of all types, the book is ideal for anyone looking to connect with a larger audience.

**Inside...**

- * Setting up a profile
- * Establishing a channel
- * Joining conversations
- * Playing by the rules
- * Building a Discord studio
- * Creating a community
- * Applying in business
- * Acquiring must-have accessories

JULY 2020 312PP
978-1-119-68803-7 PB \$24.99 (Japan)
Internet General

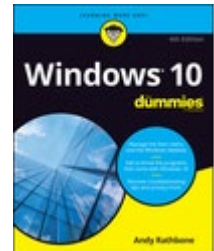
Windows 10 For Dummies

4th Edition

ANDY RATHBONE, SAN DIEGO

Time-tested advice on Windows 10

Windows 10 For Dummies remains the #1 source for readers looking for advice on Windows 10. Expert author Andy Rathbone provides an easy-to-follow guidebook to understanding Windows 10 and getting things done based on his decades of experience as a Windows guru.



Look inside to get a feel for the basics of the Windows interface, the Windows apps that help you get things done, ways to connect to the Internet at home or on the go, and steps for customizing your Windows 10 experience from the desktop wallpaper to how tightly you secure your computer.

- * Manage user accounts
- * Customize the start menu
- * Find and manage your files
- * Connect to a printer wirelessly

Revised to cover the latest round of Windows 10 updates, this trusted source for unleashing everything the operating system has to offer is your first and last stop for learning the basics of Windows!

JULY 2020 UnknownPP
978-1-119-67933-2 PB \$24.99 (Japan)
OPERATING SYSTEMS / MICROSOFT WINDOWS

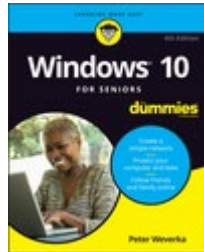
Windows 10 For Seniors For Dummies

4th Edition

PETER WEVERKA

The easy way to get up and running with Windows 10!

With *Windows 10 For Seniors For Dummies*, becoming familiarized with Windows 10 is a painless process. If you're interested in learning the basics of this operating system without having to dig through confusing computer jargon, look no further.



This book offers a step-by-step approach that is specifically designed to assist first time Windows 10 users who are over-50, providing easy-to-understand language, large-print text, and an abundance of helpful images along the way!

- Protect your computer
- Follow friends and family online
- Use Windows 10 to play games and enjoy media
- Check your security and maintenance status

Step-by-step instructions are provided to ensure that you don't get lost at any point along the way.

JULY 2020 384PP
978-1-119-68054-3 PB \$24.99 (Japan)
OPERATING SYSTEMS / MICROSOFT WINDOWS

Linux Bible

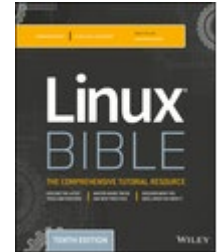
10th Edition

CHRISTOPHER NEGUS

Gig Harbor, Washington

The industry favorite Linux guide

Linux Bible, 10th Edition is the ultimate hands-on Linux user guide, whether you're a true beginner or a more advanced user navigating recent changes. This updated tenth edition covers the latest versions of Red Hat Enterprise Linux (RHEL 8), Fedora 30, and Ubuntu 18.10 LTS. It includes information on cloud computing, with new guidance on containerization, Ansible automation, and Kubernetes and OpenShift. With a focus on RHEL 8, this new edition teaches techniques for managing storage, users, and security, while emphasizing simplified administrative techniques with Cockpit. Written by a Red Hat expert, this book provides the clear explanations and step-by-step instructions that demystify Linux and bring the new features seamlessly into your workflow.



This useful guide assumes a base of little or no Linux knowledge, and takes you step by step through what you need to know to get the job done.

- Get Linux up and running quickly
- Master basic operations and tackle more advanced tasks
- Get up to date on the recent changes to Linux server system management
- Bring Linux to the cloud using Openstack and Cloudforms
- Simplified Linux administration through the Cockpit Web Interface
- Automated Linux Deployment with Ansible
- Learn to navigate Linux with Amazon (AWS), Google (GCE), and Microsoft Azure Cloud services

Linux Bible, 10th Edition is the one resource you need, and provides the hands-on training that gets you on track in a flash.

SERIES: BIBLE

JULY 2020 UnknownPP
978-1-119-57888-8 PB \$60.00 (Japan)
OPERATING SYSTEMS / LINUX & UNIX

iPhone Photography For Dummies

MARK HEMMINGS

Professional quality photos from an iPhone

The majority of the 1 trillion+ photos shot in a year are taken with the camera on a smartphone. That's not a bad thing as images shot on a mobile device rival the quality of images taken with a professional camera. A little know-how can help you create images worth bragging about. iPhone photography expert Mark Hemmings shares his experience and insight in creating amazing images. Whether you're shooting with a multi-lens iPhone 11 or a single lens older model, this book shares the photography and editing techniques to get the best results.

Inside...

- * Instant results from an iPhone
- * Adjusting camera settings
- * Creating landscape images
- * Capturing action shots
- * Shooting portraits
- * Selecting an editing app
- * Sharing and organizing images
- * Tips for shooting on the go

JULY 2020 UnknownPP
978-1-119-68779-5 PB \$26.99 (Japan)
Digital Cameras & Photography

A Companion to Digital Art

EDITOR CHRISTIANE PAUL & SERIES EDITOR DANA ARNOLD

The New School, New York, USA; University of Southampton

- * A comprehensive theoretical survey of a fast-moving discipline
- * Edited by a highly respected expert in the field with an established background as both academic and curator
- * A definitive reference covering the very latest theoretical developments
- * Provides fresh perspectives from emerging scholars as well as contributions from leading international theorists



SERIES: BLACKWELL COMPANIONS TO ART HISTORY

JULY 2020 UnknownPP
978-1-119-22574-4 PB \$59.95 (Japan)
9781118475201 CL \$202.75 (Japan) Published, APRIL 2016
New Media

The Handbook of Applied Communication Research

EDITOR H. DAN O'HAIR & EDITOR MARY JOHN O'HAIR

University of Kentucky, USA

An authoritative survey of different contexts, methodologies, and theories of applied communication

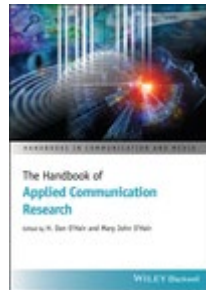
The field of Applied Communication Research (ACR) has made substantial progress over the past five decades in studying communication problems, and in making contributions to help solve them. Changes in society, human relationships, climate and the environment, and digital media have presented myriad contexts in which to apply communication theory. *The Handbook of Applied Communication Research* addresses a wide array of contemporary communication issues, their research implications in various contexts, and the challenges and opportunities for using communication to manage problems. This innovative work brings together the diverse perspectives of a team of notable international scholars from across disciplines.

The Handbook of Applied Communication Research includes discussion and analysis spread across two comprehensive volumes. Volume one introduces ACR, explores what is possible in the field, and examines theoretical perspectives, organizational communication, risk and crisis communication, and media, data, design, and technology. The second volume focuses on real-world communication topics such as health and education communication, legal, ethical, and policy issues, and volunteerism, social justice, and communication activism. Each chapter addresses a specific issue or concern, and discusses the choices faced by participants in the communication process.

A major addition to the body of knowledge in the field, *The Handbook of Applied Communication Research* is an invaluable work for advanced undergraduate students, graduate students, and scholars.

SERIES: HANDBOOKS IN COMMUNICATION AND MEDIA

JULY 2020 1040PP
978-1-119-39985-8 CL \$395.00 (Japan)
9781119399889 PB \$54.95 (Japan) NYP, JULY 2023
Applied Communication



Flutter For Dummies

BARRY BURD

Drew University, Madison, NJ

Create awesome iOS and Android apps with a single tool!

Flutter is an app developer's dream come true. With Google's open source toolkit, you can easily build beautiful apps that work perfectly across platforms using a single codebase. This flexibility allows you to get your work out to the widest possible audience. With Flutter already being used by thousands of developers worldwide in a market where billions of apps are downloaded every year, now is the right time to get ahead of the curve with this incredible tool. *Flutter for Dummies* is your friendly, ground-up route to creating multi-platform apps.

From how to construct your initial frameworks to writing code in Dart, you'll find everything you need to ride the Flutter revolutionary wave to success. This book includes how to create an intuitive and stunning UI, add rich interactivity, and easily pull in data. You'll also see how Flutter features like Hot Reload--providing sub-second refreshes as you refine your work--help you make sure your app is a delight to use.

- Start simple: follow steps to build a basic app
- It's alive! Keep connected to online data
- It moves! Make things fun with animated features
- Get the word out: use tips to expand your audience

Whether you're a fledgling developer or an expert wanting to add a slick feather to your programming cap, join the Flutter revolution now and soar above the rest!

JULY 2020 384PP
978-1-119-61258-2 PB \$29.99 (Japan)
Programming & Software Development



Introduction to Programming with C++ for Engineers

BOGUSLAW CYGANEK

AGH-University of Science and Technology

A complete textbook and reference for engineers to learn the fundamentals of computer programming with modern C++

Introduction to Programming with C++ for Engineers is an original presentation teaching the fundamentals of computer programming and modern C++ to engineers and engineering students.

Professor Cyganek, a highly regarded expert in his field, walks users through basics of data structures and algorithms with the help of a core subset of C++ and the Standard Library, progressing to the object-oriented domain and advanced C++ features, computer arithmetic, memory management and essentials of parallel programming, showing with real world examples how to complete tasks. He also guides users through the software development process, good programming practices, not shunning from explaining low-level features and the programming tools.

Being a textbook, with the summarizing tables and diagrams the book becomes a highly useful reference for C++ programmers at all levels.

Engineering students, students of other sciences who rely on computer programming, and professionals in various fields will find this book invaluable when learning to program with C++.

SERIES: WILEY - IEEE

JULY 2020 350PP
978-1-119-43110-7 PB \$115.00 (Japan)
Programming / C & C++

JavaScript The New Toys

T. J. CROWDER

All of JavaScript's newest features, in depth, made easy to understand.

JavaScript is a rapidly changing language and it can be challenging to keep up with all the new toys being added. *JavaScript: The New Toys* explores the newest features of the world's most popular programming language while also showing readers how to track what's coming next. After setting the stage by covering who manages the process of improving JavaScript, how new features get introduced, terminology, and a high-level overview of new features, it details each new or updated item in depth, with example uses, possible pitfalls, and expert recommendations for updating old habits in light of new features.



With its comprehensive coverage and friendly, accessible style, *JavaScript: The New Toys* provides an invaluable resource for programmers everywhere, whether they work in web development, Node.js, Electron, Windows Universal Apps, or another JavaScript environment.

JULY 2020 UnknownPP
978-1-119-36795-6 PB \$30.00 (Japan)
Web Site Development

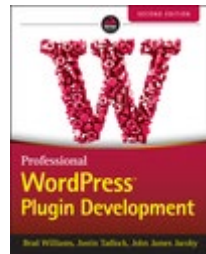
Professional WordPress Plugin Development

2nd Edition

BRAD WILLIAMS, JUSTIN TADLOCK & JOHN JAMES JACOBY

Extend WordPress with plugins using this advanced WordPress development book, updated for the current version

This significantly updated edition of *Professional WordPress Plugin Development* addresses modern plugin development for WordPress, the highly popular content management system (CMS). If you're using WordPress to create and manage websites, WordPress plugins are the software that can extend or enhance CMS functionality. This book offers guidance on writing plugins for WordPress sites to share or sell to other users.



The second edition of *Professional WordPress Plugin Development* covers the building of advanced plugin development scenarios. It discusses the plugin framework and coding standards as well as dashboards, settings, menus, and related application programming interfaces (APIs). Additional topics include security, performance, data validation, and SQL statements.

Written by experienced plugin developers, *Professional WordPress Plugin Development* also helps you internationalize and localize your WordPress website. Find out about debugging systems and optimizing your site for speed. As WordPress use continues to increase, you can elevate your professional knowledge of how to extend WordPress through plugins.

JULY 2020 UnknownPP
978-1-119-66694-3 PB \$50.00 (Japan)
WEB SITE DEVELOPMENT

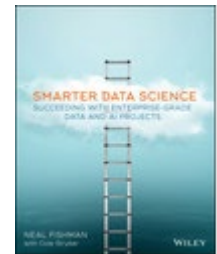
Smarter Data Science

Succeeding with Enterprise-Grade Data and AI Projects

NEAL FISHMAN, COLE STRYKER & FOREWORD BY GRADY BOOCH

Organizations can make data science a repeatable, predictable tool, which business professionals use to get more value from their data

Enterprise data and AI projects are often scattershot, underbaked, siloed, and not adaptable to predictable business changes. As a result, the vast majority fail. These expensive quagmires can be avoided, and this book explains precisely how.



Data science is emerging as a hands-on tool for not just data scientists, but business professionals as well. Managers, directors, IT leaders, and analysts must expand their use of data science capabilities for the organization to stay competitive. *Smarter Data Science* helps them achieve their enterprise-grade data projects and AI goals. It serves as a guide to building a robust and comprehensive information architecture program that enables sustainable and scalable AI deployments.

When an organization manages its data effectively, its data science program becomes a fully scalable function that's both prescriptive and repeatable. With an understanding of data science principles, practitioners are also empowered to lead their organizations in establishing and deploying viable AI. They employ the tools of machine learning, deep learning, and AI to extract greater value from data for the benefit of the enterprise.

When they climb the ladder presented in this book, businesspeople and data scientists alike will be able to improve and foster repeatable capabilities. They will have the knowledge to maximize their AI and data assets for the benefit of their organizations.

JULY 2020 304PP
978-1-119-69341-3 PB \$50.00 (Japan)
Data Mining & Knowledge Discovery

Recent Advances in Hybrid Metaheuristics for Data Clustering

EDITOR SOURAV DE, EDITOR SANDIP DEY & EDITOR SIDDHARTHA BHATTACHARYYA

An authoritative guide to an in-depth analysis of various state-of-the-art data clustering approaches using a range of computational intelligence techniques

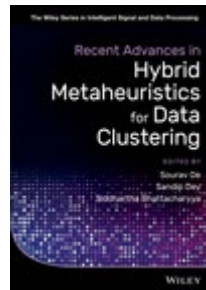
Recent Advances in Hybrid Metaheuristics for Data Clustering offers a guide to the fundamentals of various metaheuristics and their application to data clustering. Metaheuristics are designed to tackle complex clustering problems where classical clustering algorithms have failed to be either effective or efficient. The authors--noted experts on the topic--provide a text that can aid in the design and development of hybrid meta-heuristics to be applied to data clustering.

The book includes performance analysis of the hybrid metaheuristics in relationship to their conventional counterparts. In addition to providing a review of data clustering, the authors include in-depth analysis of different optimization algorithms. The text offers a step-by-step guide in the build-up of hybrid metaheuristics and to enhance comprehension. In addition, the book contains a range of real-life case studies and their applications.

Written for researchers, students and academics in computer science, mathematics, and engineering, *Recent Advances in Hybrid Metaheuristics for Data Clustering* provides a text that explores the current data clustering approaches using a range of computational intelligence techniques.

SERIES: THE WILEY SERIES IN INTELLIGENT SIGNAL AND DATA PROCESSING

JULY 2020 300PP
978-1-119-55159-1 CL \$145.00 (Japan)
Algorithms & Data Structures

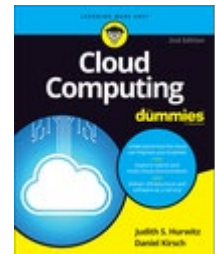


Cloud Computing For Dummies 2nd Edition

JUDITH S. HURWITZ & DANIEL KIRSCH

Choose the best cloud solutions for your needs

Cloud computing is a topic that technology pros need to know to stay ahead of the computing game. *Cloud Computing For Dummies* comes to the rescue of those still trying to sort out the many options in the world of cloud.



Judith Hurwitz and her team of analysts share the cloud insights they earned by consulting with some of the world's largest companies. Peek inside to sort out topics like multi-cloud architecture, hybrid-cloud infrastructure, development in the cloud, and software as a service.

- Understand how the cloud can improve your business
- Explore cloud models including hybrid and multi-cloud environments
- See how infrastructure and software can be delivered as a service
- Discover best practices

This edition is written for IT professionals, decision makers, and others who need general knowledge about cloud computing, how it works, and what options they have.

JULY 2020 UnknownPP
978-1-119-54665-8 PB \$34.99 (Japan)
GRID & CLOUD COMPUTING

経済学

The Myth of Economic Development

CELSO FURTADO, TRANSLATOR JORDAN B. JONES & MARIO TOSI
FURTADO

READERSHIP: Students and academics in economics, political economy and development studies, Latin American studies, and anyone interested in issues of development and underdevelopment in the Global South

SERIES: CRITICAL SOUTH

JULY 2020 90PP
978-1-5095-4013-6 CL \$64.95 (Japan)
978-1-5095-4014-3 PB \$19.95 (Japan)
Economic Development

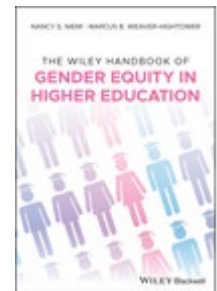
教育

The Wiley Handbook of Gender Equity in Higher Education

NANCY S. NIEMI & MARCUS B. WEAVER-HIGHTOWER

University of Maryland Eastern Shore; University of North Dakota

The handbook provides a deep and provocative collection of leading researchers' thinking on the current intersection of gender and higher education. The so-called dearth of males, gender segregation by major with women still predominant in lower-paying areas, and persistently chilly climates in the STEM fields are just several of the broad areas in which research reveals higher education's complicated relationships to, and sometimes inadequate fostering of, gender equity. The volume offers a bold picture of the research in the field of higher education and gender equity, while also projecting future paths of exploration, inquiry, and action.



JULY 2020 UnknownPP
978-1-119-25758-5 CL \$210.00 (Japan)
9781119257677 PB \$54.95 (Japan) NYP, JULY 2023
Theory of Education

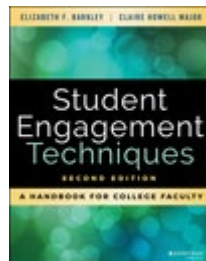
Student Engagement Techniques

A Handbook for College Faculty
2nd Edition

ELIZABETH F. BARKLEY & CLAIRE H. MAJOR

Foothill College, Los Altos, CA; University of Alabama,
Tuscaloosa, AL

This book will provide college teachers with specific tips, techniques, and strategies that will help them motivate and engage students. Modeled after the highly successful *Classroom Assessment Techniques* and *Collaborative Learning Techniques*, the book describes learning strategies and techniques drawn from corporate training and education literature. The strategies in the book, broken down into step-by-step directions, offer practical advice on how to increase motivation, promote active learning, build community, help students learn holistically, and ensure students are working in their optimal challenge zone. Each technique includes purpose, preparation, procedures, examples, online implementation, variations and extensions, observations and advice, and key resources. While much of the existing literature on student engagement is general and theoretical, this book emphasizes practical techniques and strategies that have been devised by experienced classroom teachers from a wide variety of disciplines and institutions.



JULY 2020 UnknownPP
978-1-119-68677-4 PB \$45.00 (Japan)
TEACHING & LEARNING (HIGHER EDUCATION)

コンピュータサイエンス

Fog Computing

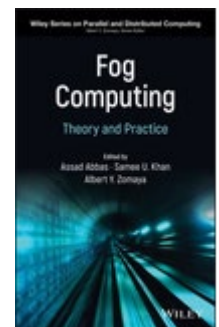
Theory and Practice

EDITOR ASSAD ABBAS, EDITOR SAMEE U. KHAN & EDITOR ALBERT
Y. ZOMAYA

University of Western Australia

**Summarizes the current state and
upcoming trends within the area of
fog computing**

Written by some of the leading experts in the field, *Fog Computing: Theory and Practice* focuses on the technological aspects of employing fog computing in various application domains, such as smart healthcare, industrial process control and improvement, smart cities, and virtual learning environments. In addition, the Machine-to-Machine (M2M) communication methods for fog computing environments are covered in depth.



Presented in two parts--Fog Computing Systems and Architectures, and Fog Computing Techniques and Application--this book covers such important topics as energy efficiency and Quality of Service (QoS) issues, reliability and fault tolerance, load balancing, and scheduling in fog computing systems. It also devotes special attention to emerging trends and the industry needs associated with utilizing the mobile edge computing, Internet of Things (IoT), resource and pricing estimation, and virtualization in the fog environments.

- Includes chapters on deep learning, mobile edge computing, smart grid, and intelligent transportation systems beyond the theoretical and foundational concepts
- Explores real-time traffic surveillance from video streams and interoperability of fog computing architectures
- Presents the latest research on data quality in the IoT, privacy, security, and trust issues in fog computing

Fog Computing: Theory and Practice provides a platform for researchers, practitioners, and graduate students from computer science, computer engineering, and various other disciplines to gain a deep understanding of fog computing.

SERIES: WILEY SERIES ON PARALLEL AND DISTRIBUTED
COMPUTING

JULY 2020 608PP
978-1-119-55169-0 CL \$150.00 (Japan)
Communication Technology - Networks

Towards Cognitive Autonomous Networks

Network Management Automation for 5G and Beyond

EDITOR STEPHEN S. MWANJE & EDITOR CHRISTIAN MANNWEILER

This book provides a comprehensive understanding of the current state of the art extended by mid- to long-term prospects of cognitive and autonomous network operation. Cognitive and autonomous in this context build two independent dimensions that enable the network to action based on information about its environment, and act independent of any external directions learning from its interactions and improve its responses. The key driver for the book is the need for autonomy in 5G imposed by new requirements due to virtualization of network functions. After a declaration of the need for cognitive autonomy in networks, a comprehensive background of the current position is provided. There follows an outline of the novel approaches, and a substantial description of application of tools for end-to-end cognition, namely configuration, operation, optimization and self-healing. The book ends with an outline describing the challenges of complete autonomy in networks.

Written by industry insiders working at the heart of the technology, this book serves as an essential reference for researchers, scientists and system engineers, plus standardization experts who are laying the foundations for next generation networks.

JULY 2020 500PP
978-1-119-58638-8 CL \$145.00 (Japan)
Communication Technology - Networks

Systems Engineering Principles and Practice

3rd Edition

ALEXANDER KOSSIAKOFF, STEVEN M. BIEMER, SAMUEL J. SEYMOUR & DAVID A. FLANIGAN

Johns Hopkins University

Systems Engineering Principles and Practice continues to be a national standard textbook for the study of traditional systems engineering for advanced undergraduate and graduate students. It addresses the need for an introductory overview, first-text for the development and acquisition of complex technical systems. The material is organized in a way that teaches the reader how to think like a systems engineer and carry out best practices in the field. Since systems engineering is still developing as a discipline, there have been new concepts and practices that have entered the field since the text was originally published in 2003, and the second edition in 2011. An increasing number of students with diverse backgrounds and professions have used the text, leading to the need for new topics, expansion, integration and clarification. The proposed third edition is developed by two authors of the second edition and a new author, to upgrade this unique interdisciplinary guide to communicate the principles of good practice and alternative approaches to accomplish systems engineering goals.

SERIES: WILEY SERIES IN SYSTEMS ENGINEERING AND MANAGEMENT

JULY 2020 688PP
978-1-119-51666-8 CL \$145.00 (Japan)
SYSTEMS ENGINEERING & MANAGEMENT

電気電子工学

Smart Sensors for Environmental and Medical Applications

EDITOR HAMIDA HALLIL & EDITOR HADI HEIDARI

Provides an introduction to the topic of smart chemical sensors, along with an overview of the state of the art based on potential applications

This book presents a comprehensive overview of chemical sensors, ranging from the choice of material to sensor validation, modeling, simulation, and manufacturing. It discusses the process of data collection by intelligent techniques such as deep learning, multivariate analysis, and others. It also incorporates different types of smart chemical sensors and discusses each under a common set of sub-sections so that readers can fully understand the advantages and disadvantages of the relevant transducers--depending on the design, transduction mode, and final applications.



Smart Sensors for Environmental and Medical Applications covers all major aspects of the field of smart chemical sensors, including working principle and related theory, sensor materials, classification of respective transducer type, relevant fabrication processes, methods for data analysis, and suitable applications. Chapters address field effect transistors technologies for biological and chemical sensors, mammalian cell--based electrochemical sensors for label-free monitoring of analytes, electronic tongues, chemical sensors based on metal oxides, metal oxide (MOX) gas sensor electronic interfaces, and more.

Smart Sensors for Environmental and Medical Applications is an important book for senior-level undergraduate and graduate students learning about this high-performance technology and its many applications. It will also inform practitioners and researchers involved in the creation and use of smart sensors.

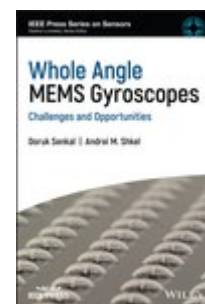
SERIES: IEEE PRESS SERIES ON SENSORS

JULY 2020 220PP
978-1-119-58734-7 CL \$130.00 (Japan)
Sensors, Instrumentation & Measurement

Whole Angle MEMS Gyroscopes
Challenges and Opportunities

DORUK SENKAL & ANDREI M. SHKEL

SERIES: IEEE PRESS SERIES ON SENSORS
JULY 2020 176PP
978-1-119-44188-5 CL \$150.00 (Japan)
Sensors, Instrumentation & Measurement



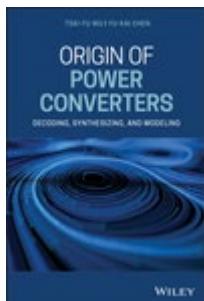
Origin of Power Converters

Decoding, Synthesizing, and Modeling

TSAI-FU WU & YU-KAI CHEN

A comprehensive guide to approaches to decoding, synthesizing and modeling pulse width modulation (PWM) converters

Origin of Power Converters explores the original converter and provides a systematic examination of the development and modeling of power converters based on decoding and synthesizing approaches. The authors--noted experts on the topic--present an introduction to the origins of the converter and detail the fundamentals related to power the converter's evolution. They cover a range of converter synthesis approaches, synthesis of multi-stage/multi-level converters, extension of hard-switching converters to soft-switching ones, and determination of switch-voltage stresses in the converters.



In later chapters, this comprehensive resource reviews conventional two-port network theory and the state-space averaged (SSA) modeling approach, from which systematic modeling approaches are based on the graft switch technique. In addition, the book reviews the converter layer scheme and some fundamental circuit theories. This important book:

- * Contains a review of several typical transfer codes, such as step-down, step-up, step-up&down, and \pm step-up&down
- * Describes the syntheses of pulse width modulation (PWM) converters such as voltage-fed z-source, current-fed z-source, quasi z-source, switched capacitor, and switched inductor converters
- * Presents two application examples based on previously proposed modeling approaches

Written for academic researchers, graduate students, and seniors in power electronics, *Origin of Power Converters* provides a comprehensive understanding of the evolution of the converter and its applications.

JULY 2020 416PP
978-1-119-63298-6 CL \$135.00 (Japan)
Power Electronics

Handbook of Microwave Component Measurements

with Advanced VNA Techniques, 2nd Edition

JOEL P. DUNSMORE

Agilent Technologies

Handbook of Microwave Component Measurements Second Edition is a fully updated, complete reference to this topic, focusing on the modern measurement tools, such as a Vector Network Analyzer (VNA), gathering in one place all the concepts, formulas, and best practices of measurement science. It includes basic concepts in each chapter as well as appendices which provide all the detail needed to understand the science behind microwave measurements. The book offers an insight into the best practices for ascertaining the true nature of the device-under-test (DUT), optimizing the time to setup and measure, and to the greatest extent possible, remove the effects of the measuring equipment from that result. Furthermore, the author writes with a simplicity that is easily accessible to the student or new engineer, yet is thorough enough to provide details of measurement science for even the most advanced applications and researchers. This welcome new edition brings forward the most modern techniques used in industry today, and recognizes that more new techniques have developed since the first edition published in 2012. Whilst still focusing on the VNA, these techniques are also compatible with other vendor's advanced equipment, providing a comprehensive industry reference.

JULY 2020 720PP
978-1-119-47713-6 CL \$150.00 (Japan)
RF / Microwave Theory & Techniques

エネルギー

Well Logging

WILSON C. CHIN

SERIES: ADVANCES IN PETROLEUM ENGINEERING

JULY 2020 UnknownPP
978-1-119-28332-4 CL \$195.00 (Japan)
Fossil Fuels

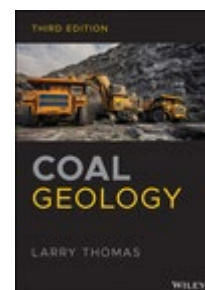
Coal Geology

3rd Edition

LARRY THOMAS

Dargo Associates Ltd, Geological and Coal Resource
Consultants

**A global exploration of coal geology,
from production and use to chemical
properties and coal petrology**



Coal Geology, 3rd Edition, offers a revised and updated edition of this popular book which provides a comprehensive overview of the field of coal geology including coal geophysics, hydrogeology and mining. Also covered in this volume are fully revised coverage of resource and reserve definitions, equipment and recording techniques together with the use of coal as an alternative energy source as well as environmental implications.

This third edition provides a textbook ideally suited to anyone studying, researching or working in the field of coal geology, geotechnical engineering and environmental science.

- Fills the gap between academic aspects of coal geology and the practical role of geology in the coal industry
- Examines sedimentological and stratigraphical geology, together with mining, geophysics, hydrogeology, environmental issues and coal marketing
- Defines global coal resource classifications and methods of calculation
- Addresses the alternative uses of coal as a source of energy
- Covers a global approach to coal producers and consumers

JULY 2020 480PP
978-1-119-42413-0 CL \$150.00 (Japan)
COAL

TEXT

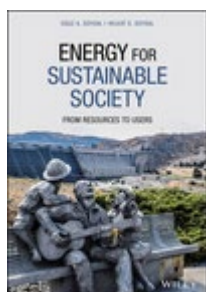
Energy for Sustainable Society

From Resources to users

OGUZ A. SOYSAL & HILKAT S. SOYSAL

A handbook of sustainable energy, covering entire energy aspects from present status to future alternatives under one umbrella

This book takes an interdisciplinary system approach to evaluating energy systems so that readers can gain the necessary technical foundation to perform their own performance evaluations and understand their interactions with socioeconomic indicators. Topics include the current and future availability of primary sources, energy supply chain, conversion between different forms of energy, security of energy supply, and efficient end-use of energy sources. Each chapter provides readers with comprehensive background information, an outline of the current technologies, and potential future developments. The book also examines the global, economic, societal, ethical, and environmental issues associated with currently used energy technologies.



Energy for Sustainable Society: From Resources to Users starts with a general overview of energy systems, and describes the major elements of energy transformation and supply chain. It then discusses interdisciplinary career opportunities in the "energy engineering" field. The fundamental concepts of energy conversion, transmission, and load flow in electrical systems are covered, as are conventional and unconventional fossil fuels, and the basics of nuclear power generation and reactor types. Other chapters look at: the fundamental concepts of thermodynamics and basic operation of steam turbines, gas turbines, and combined cycle heat engines used in fossil fuel and nuclear power plants; current technologies in hydroelectric power generation; renewable and alternative energy sources; energy security issues; and more.

Energy for Sustainable Society gives readers a solid foundation to study energy related subjects and is an ideal book for a first course on energy systems for upper division undergraduate and first year graduate students.

JULY 2020 500PP
978-1-119-56130-9 CL \$130.00 (Japan)
Renewable Energy

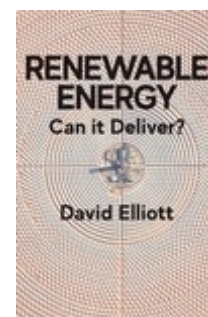
Renewable Energy

Can it Deliver?

DAVID ELLIOTT

READERSHIP: Undergraduate students of environmental and energy politics and policy across the humanities and social sciences.

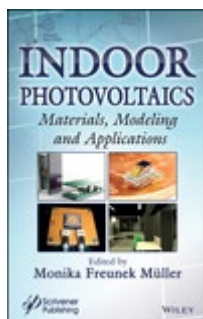
JULY 2020 256PP
978-1-5095-4163-8 CL \$64.95 (Japan)
978-1-5095-4164-5 PB \$22.95 (Japan)
Renewable Energy



Indoor Photovoltaics

MONIKA FREUNEK MÜLLER

Indoor photovoltaics (IPV) is the most promising power source for indoor electronic devices, especially sensor devices and edge nodes for the Internet of Things, and it will gain considerable interest due to the development of the field. This field of photovoltaics differs to other fields due to irradiance and spectral distribution conditions as well as the (close to) energy autarkic field conditions. The book provides the engineer and researcher with guidelines, provides a comprehensive overview over theoretical models, efficiencies, application design, and first available products.



JULY 2020 UnknownPP
978-1-119-60559-1 CL \$195.00 (Japan)
Solar Energy & Photovoltaics

Waste Plastics

An Alternative Source of Energy

PRAKASH PARTHASARATHY

JULY 2020 300PP
978-1-119-46011-4 CL \$225.00 (Japan)
Other Renewable Energy

環境科学

Applications of Modern Heuristic Optimization Methods in Power and Energy Systems

KWANG Y. LEE & ZITA VALE

Pennsylvania State University

Reviews state-of-the-art technologies in modern heuristic optimization techniques and presents case studies showing how they have been applied in complex power and energy systems problems

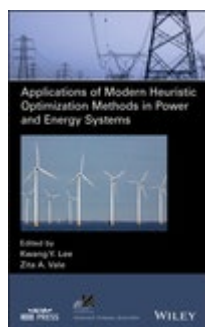
Written by a team of international experts, this book describes the use of metaheuristic applications in the analysis and design of electric power systems. This includes a discussion of optimum energy and commitment of generation (nonrenewable & renewable) and load resources during day-to-day operations and control activities in regulated and competitive market structures, along with transmission and distribution systems.

Applications of Modern Heuristic Optimization Methods in Power and Energy Systems begins with an introduction and overview of applications in power and energy systems before moving on to planning and operation, control, and distribution. Further chapters cover the integration of renewable energy and the smart grid and electricity markets. The book finishes with final conclusions drawn by the editors.

Ideal for power and energy systems designers, planners, operators, and consultants, *Applications of Modern Heuristic Optimization Methods in Power and Energy Systems* will also benefit engineers, software developers, researchers, academics, and students.

SERIES: IEEE PRESS SERIES ON POWER ENGINEERING

JULY 2020 UnknownPP
978-1-119-60229-3 CL \$150.00 (Japan)
Electric Power Systems



Environmental Nanotechnology for Water Purification

SHAHID UL-ISLAM

Dyes, pigments and metals are extensively used in food, paper, carpet, rubber, plastics, cosmetics, and textile industries, in order to color and finish products. As a result, they generate a considerable amount of coloured wastewater rich in organic, inorganic, and mineral substances which are continuously polluting the water bodies and affecting human and aquatic life. Besides these industries, urban and agricultural activities also generate effluents high in biochemical oxygen demand (BOD) and chemical oxygen demand (COD). In recent years, considerable research work has been done in this area and is underway to eliminate heavy metals particularly mercury (Hg), chromium (Cr), lead (Pb), selenium and cadmium (Cd) and synthetic dyes from polluted waters which have high toxicity and carcinogenicity. Currently a number of methods are in operation to decontaminate the polluted waters. Among several purification technologies, use of nanoparticles/composites have gained much attention as efficient purification technology due to its many advantages such as simple synthesis, special chemical and physical properties, unique photocatalytic activity and beneficial antimicrobial properties and high efficiency. The book *Environmental Nanotechnology for Water Purification* comprehensively covers and provides new insights on all nanoparticles, composites and advanced methods employed in water purification.



JULY 2020 UnknownPP
978-1-119-64045-5 CL \$225.00 (Japan)
Ecotoxicology & Pollution Science

地球科学

Iceland

Tectonics, Volcanics, and Glacial Features

TAMIE J. JOVANELLY

Explore the dramatic forces that have shaped the Icelandic landscape over 30 million years

Iceland's formation and ongoing evolution offers a masterclass in geophysical processes. *Iceland: Tectonics, Volcanics, and Glacial Features* presents a regional guide to the landscape of this unique island.



Accessible to academics, students, novice geologists, and tourists alike, chapters reflect the most popular way to explore the island, beginning in the southwest region and ending in the northwest.

Volume highlights include:

- An overview of Iceland's geologic history
- Exploration of the dynamic tectonic setting that has shaped the island
- Descriptions of landscape features of active and extinct volcanoes
- Discussion of the impact of glaciation in the past and present
- Techniques for monitoring geologic hazards
- Developments in harnessing geothermal energy

The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals.

SERIES: GEOPHYSICAL MONOGRAPH SERIES

JULY 2020 224PP
978-1-119-42709-4 CL \$199.95 (Japan)
Geology & Geophysics

Carbon in Earth's Interior

EDITOR CRAIG MANNING, EDITOR JUNG-FU LIN & EDITOR WENDY MAO

University of California, Los Angeles

Explores the behavior of carbon in minerals, melts, and fluids under extreme conditions

Carbon trapped in diamonds and carbonate-bearing rocks in subduction zones are examples of the continuing exchange of substantial carbon between Earth's surface and its interior. However, there is still much to learn about the forms, transformations, and movements of carbon deep inside the Earth.



Carbon in Earth's Interior presents recent research on the physical and chemical behavior of carbon-bearing materials and serves as a reference point for future carbon science research.

Volume highlights include:

- Data from mineral physics, petrology, geochemistry, geophysics, and geodynamics
- Research on the deep carbon cycle and carbon in magmas or fluids
- Dynamics, structure, stability, and reactivity of carbon-based natural materials
- Properties of allied substances that carry carbon
- Rates of chemical and physical transformations of carbon

The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals.

SERIES: GEOPHYSICAL MONOGRAPH SERIES

JULY 2020 384PP
978-1-119-50826-7 CL \$199.95 (Japan)
Geochemistry & Mineralogy

ファイナンス／インベストメント

Amino Acids in Biominerals

BEATRICE DEMARCHI

SERIES: ANALYTICAL METHODS IN EARTH AND ENVIRONMENTAL SCIENCE

JULY 2020 96PP
978-1-119-08944-5 CL \$99.95 (Japan)
Paleontology, Paleobiology & Geobiology**Stock Investing For Dummies**

6th Edition

PAUL MLADJENOVIC

Mladjenovic has written all five previous editions of *Stock Investing For Dummies*. This experienced author combines years of experience to teach investors and consumers what they need to know on the cusp of big changes in the marketplace. New tax laws and changes in the marketplace offer challenges to the financial landscape that investors have grown accustomed to. Understand the new financial horizons and learn how to invest wisely.

JULY 2020 UnknownPP
978-1-119-66076-7 PB \$26.99 (Japan)
GENERAL FINANCE & INVESTMENTS

Valuation

Measuring and Managing the Value of Companies
7th Edition

MCKINSEY & COMPANY INC., TIM KOLLER, MARC GOEDHART
& DAVID WESSELS

**McKinsey & Company's #1
best-selling guide to corporate
valuation--the fully updated seventh
edition**

Valuation has been the foremost resource for measuring company value for nearly three decades. Now in its seventh edition, this acclaimed volume continues to help financial professionals around the world gain a deep understanding of valuation and help their companies create, manage, and maximize economic value for their shareholders.

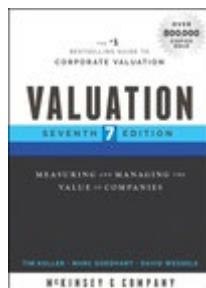
This latest edition has been carefully revised and updated throughout, and includes new insights on topics such as digital, ESG (environmental, social and governance), and long-term investing, as well as fresh case studies.

Clear, accessible chapters cover the fundamental principles of value creation, analyzing and forecasting performance, capital structure and dividends, valuing high-growth companies, and much more. *The Financial Times* calls the book "one of the practitioners' best guides to valuation."

For over 90 years, McKinsey & Company has helped corporations and organizations make substantial and lasting improvements in their performance. Through seven editions and 30 years, *Valuation: Measuring and Managing the Value of Companies*, has served as the definitive reference for finance professionals, including investment bankers, financial analysts, CFOs and corporate managers, venture capitalists, and students and instructors in all areas of finance.

SERIES: WILEY FINANCE

JULY 2020 912PP
978-1-119-61088-5 CL \$95.00 (Japan)
INVESTMENTS & SECURITIES



Curt Verschoor on Ethics

Timely Columns from Strategic Finance Magazine

EDITOR BELVERD E. NEEDLES JR. & EDITOR CURTIS C.
VERSCHOOR

Curt Verschoor On Ethics is a compilation of the best business ethics columns that will continue for years forward to be of lasting educational value. In a company setting, the columns can function as the basis for discussion on proper business ethics. In academia, the columns can serve as assigned readings over significant ethics events and issues. Some topics that are covered in the columns include:

- Value of a Strong Ethical Culture
- Studies of Ethical and Unethical Culture
- Public and Management Accounting Ethics
- Ethics of Executive Compensation
- International Ethics Standards
- Fraud Case Studies
- Small Organization Fraud Studies
- Regulation and Enforcement
- Whistleblowing
- Sustainability and Integrated Reporting
- Tax Avoidance Issues
- Students

JULY 2020 UnknownPP
978-0-9967293-9-0 PB \$19.95 (Japan)
Finance & Investments Special Topics

食品科学

Coffee - Growing, Processing, Sustainable Production

A Guidebook for Growers, Processors, Traders, and Researchers, 3rd Edition

JEAN NICOLAS WINTGENS

Consultant, Corseaux, Switzerland

Now in two volumes, this third edition is completely updated and enlarged with approximately 20% more content, providing all the knowledge the coffee professional will ever need.

Written by the leading experts in the business and endorsed by the International Coffee Organisation and the Specialty Coffee Organization of America, this is the "go-to" reference for coffee professionals. The whole of the billion dollar coffee business is covered here, capturing the entire value chain from grower to consumer. It describes methods of coffee cultivation, harvesting, processing, storage, quality assessment, and economics. It is unique in incorporating the latest research on the coffee plant, its pests and diseases, as well as biotechnological methods for improved breeds. It is equally unrivaled in addressing the long-term sustainability of current coffee production methods, showing modern alternatives to traditional practices.

New to this edition are chapters on types of green coffee, the influence of coffee on human health, and the treatment of coffee from green bean to coffee cup.

Last but not least, this ready reference is richly illustrated with more than 900 color photographs, dozens of drawings and diagrams, as well as a 100-page appendix resulting in the single most comprehensive source for coffee producers, traders and researchers.

JULY 2020 1200PP

978-3-527-33981-5 CL \$470.00 (Japan)

FOOD PROCESSING, PRODUCTION & MANUFACTURE

Herbs, Spices and Medicinal Plants

Processing, Health Benefits and Safety

MOHAMMAD B. HOSSAIN, NIGEL P. BRUNTON & DILIP K. RAI

The latest research on the health benefits and optimal processing technologies of herbs and spices

This book provides a comprehensive overview of the health benefits, analytical techniques used, and effects of processing upon the physicochemical properties of herbs and spices. Presented in three parts, it opens with a section on the technological and health benefits of herbs and spices. The second part reviews the effect of classical and novel processing techniques on the properties of herbs/spices. The third section examines extraction techniques and analytical methodologies used for herbs and spices.

Filled with contributions from experts in academia and industry, *Herbs, Spices and Medicinal Plants: Processing, Health Benefits and Safety* offers chapters covering thermal and non-thermal processing of herbs and spices, recent developments in high-quality drying of herbs and spices, conventional and novel techniques for extracting bioactive compounds from herbs and spices, and approaches to analytical techniques. It also examines purification and isolation techniques for enriching bioactive phytochemicals, medicinal properties of herbs and spices, synergy in whole-plant medicine, potential applications of polyphenols from herbs and spices in dairy products, biotic and abiotic safety concerns, and adverse human health effects and regulation of metal contaminants in terrestrial plant-derived food and phytopharmaceuticals.

- Covers the emerging health benefits of herbs and spices, including their use as anti-diabetics, anti-inflammatories, and anti-oxidants
- Reviews the effect of classical and novel processing techniques on the properties of herbs and spices
- Features informed perspectives from noted academics and professionals in the industry
- Part of Wiley's new IFST Advances in Food Science series

Herbs, Spices and Medicinal Plants is an important book for companies, research institutions, and universities active in the areas of food processing and the agri-food environment. It will appeal to food scientists and engineers, environmentalists, and food regulatory agencies.

SERIES: IFST ADVANCES IN FOOD SCIENCE

JULY 2020 500PP

978-1-119-03661-6 CL \$195.00 (Japan)

Functional Foods & Nutraceuticals

Nutraceutical Fatty Acids from Oleaginous Microalgae

A Human Health Perspective

ALOK KUMAR PATEL & LEONIDAS MATSAKAS

Over the past several years, extensive research has been done on the microbial production of polyunsaturated fatty acids (PUFA). Regardless, research on the oleaginous microalgae used as feedstock for biofuels production and the overall story about the production of nutraceutical fatty acids from oleaginous microalgae has been very limited. This volume provides an exclusive insight on the production of nutraceutical fatty acids from oleaginous microalgae and their role on human health.

Some saturated and monounsaturated fatty acids can be synthesized by humans, whereas long-chain polyunsaturated fatty acids (PUFAs) such as α -linolenic acid and linoleic acid cannot and are deemed essential. The products of these acids, such as DHA, which is important for early visual and neurological development, are extremely important to human health. Replacing SFAs with omega-3 and omega-6 fatty acids in the diet reduce the risk of cardiovascular diseases and prevent Alzheimer's, bipolar disorder, and schizophrenia, among other benefits. The ever-rising global demand for omega-3 & 6 PUFAs, however, cannot be met solely by fish oil, due to diminishing fish stocks and pollution of marine ecosystems, which has led to increased interest in alternative sustainable sources. Vegetable oils from genetically engineered plant oilseeds and microorganisms are two potential alternatives to fish oil, even though omega-3 PUFAs are highest in the latter. Although transgenic plants present numerous advantages, their production is dependent on seasonal and climatic conditions and the availability of arable land. Moreover, there are public concerns regarding the cultivation of transgenic crops in open ecosystems. These, together with regulatory issues restrict the large-scale production of genetically modified crops. Microorganisms, however, are known natural producers of microbial oils similar to those obtained from plants and animals and a possible source of nutritionally important omega-3 & 6 PUFAs.

This groundbreaking volume presents invaluable new research on essential fatty acids, their production from various oleaginous microorganisms, biochemical and metabolic engineering to improve PUFAs content in oil, extraction and purification of omega 3 fatty acids, and the current market scenario.

JULY 2020 348PP
978-1-119-63171-2 CL \$225.00 (Japan)
Functional Foods & Nutraceuticals

コンシューマーヘルス

Yoga After 50 For Dummies

LARRY PAYNE

Yoga in your golden years

Yoga is a terrific way to stay fit, manage pain, and improve mental clarity, balance, agility, and flexibility. It's one of the most beneficial things you can do for your body and mind--but it's important to practice it correctly in order to avoid injury.



Yoga After 50 For Dummies takes the guesswork out of starting or continuing a yoga practice at 50 and beyond, showing you how to adapt poses and breath to your changing body, and reap the benefits from this ancient practice.

- Covers all the most common yoga poses
- Includes photos and figures
- Features large print
- Written by the founding president of the International Association of Yoga Therapists

Learn how to calm your mind and strengthen your body--one pose at a time.

JULY 2020 360PP
978-1-119-63151-4 PB \$26.99 (Japan)
Fitness

公衆衛生

Clinical Paediatric Dietetics

5th Edition

VANESSA SHAW

Great Ormond Street Hospital for Children

Clinical Paediatric Dietetics, Fifth Edition continues to provide a very practical approach to dietary management of children with an extensive range of disorders. Thoroughly revised to reflect the most recent scientific and medical literature, this new edition proves to be an indispensable guide for both acute and community-based healthcare professionals.



New and expanded content covering a range of disorders, treatments and guidelines has been introduced to the fifth edition, from diabetes technology and the ketogenic diet, to renal tubular disorders, refeeding syndrome, and blended diets in enteral nutrition. This authoritative volume:

- Supports contemporary evidence-based clinical practice
- Covers inherited metabolic disorders and diseases of all major organ systems
- Provides contributions from practising paediatric dietitians, academic research dietitians and a paediatric psychiatrist
- Includes worked examples, real-world case studies and easy-to-use tables

Endorsed by the British Dietetic Association, *Clinical Paediatric Dietetics, Fifth Edition* is an invaluable resource for all healthcare practitioners caring for children.

JULY 2020 832PP
978-1-119-46729-8 CL \$115.00 (Japan)
DIETETICS

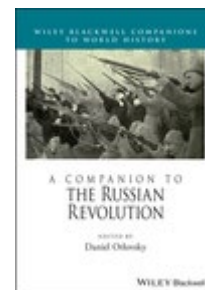
歴史

A Companion to the Russian Revolution

EDITOR DANIEL ORLOVSKY

A compendium of original essays and contemporary viewpoints on the 1917 Revolution

The Russian revolution of 1917 reverberated throughout an empire that covered one-sixth of the world. It altered the geo-political landscape of not only Eurasia, but of the entire globe. The impact of this immense event is still felt in the present day. The historiography of the last two decades has challenged conceptions of the 1917 revolution as a monolithic entity-- the causes and meanings of revolution are many, as is reflected in contemporary scholarship on the subject.



A Companion to the Russian Revolution offers more than thirty original essays, written by a team of respected scholars and historians of 20th century Russian history. Presenting a wide range of contemporary perspectives, the *Companion* discusses topics including the dynamics of violence in war and revolution, Russian political parties, the transformation of the Orthodox church, Bolshevism, Liberalism, and more. Although primarily focused on 1917 itself, and the singular Revolutionary experience in that year, this book also explores time-periods such as the First Russian Revolution, early Soviet government, the Civil War period, and even into the 1920's.

- Presents a wide range of original essays that discuss
- Brings together in-depth coverage of political history, party history, cultural history, and new social approaches
- Explores the long-range causes, influence on early Soviet culture, and global after-life of the Russian Revolution
- Offers broadly-conceived, contemporary views of the revolution largely based on the author's original research
- Links Russian revolutions to Russian Civil Wars as concepts

The book is an important addition to modern scholarship on the subject, and a valuable resource for those interested in Russian, Late Imperial, or Soviet history as well as anyone interested in Revolution as a global phenomenon.

SERIES: WILEY BLACKWELL COMPANIONS TO WORLD HISTORY

JULY 2020 560PP
978-1-118-62089-2 CL \$202.75 (Japan)
Twentieth Century & Contemporary History

ホスピタリティ

China

KERRY BROWN

READERSHIP: General readers curious about contemporary China as well as students of China Studies, Asian History and Politics.

SERIES: POLITY HISTORIES

JULY 2020 224PP
 978-1-5095-4147-8 CL \$59.95 (Japan)
 978-1-5095-4148-5 PB \$14.95 (Japan)
 Political & Diplomatic History



Airbnb For Dummies

SYMON HE & JAMES SVETEC

Make extra money--and your guests extra happy--with Airbnb!

You've got that spare tower, mansion, apartment, couch, or perhaps even treehouse (really--there are more than 2,400 treehouses listed on Airbnb). You're a polite, clean, and tolerant host. And you want to make some money. Congratulations, you're fully qualified to become part of the Airbnb revolution! Whether you're looking to break into the business, or have already started and are researching ways of making your guests feel even *more* pampered as you grow your reputation and income, *Airbnb for Dummies* is the perfect venue for you. And this applies whether you currently own property or not!



Sit back in your lounge recliner and let the owners and founders of Learnairbnb.com show you the ins and outs of the short-term rental boom that connects hosts with travelers looking for more economical and personal travel experiences across the world. Sip a refreshing drink as you learn how to manage the day-to-day--from maintaining listings to keeping things clean for your guests--and how to maximize and increase your profits.

- Make an attractive listing
- Perfect your pricing
- Profit without a property
- Create amazing guest experiences

So, get hold of a copy, read it in your favorite spot, and watch as the money and excited guests beat a path to your door!

JULY 2020 UnknownPP
 978-1-119-62607-7 PB \$19.99 (Japan)
 General & Introductory Hospitality

ライフスタイル

Horseback Riding For Dummies

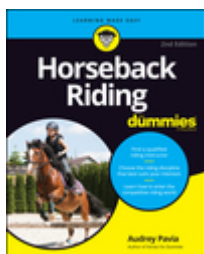
2nd Edition

AUDREY PAVIA, NORCO, UNITED STATES

Santa Ana, California

Giddy up! Your guide to horseback riding is here!

There's nothing quite like the sound of a horse's gallop. Add to that the sight of its mane catching wind as its powerhouse body criss-crosses the boundary of strength and graceful agility. They are majestic creatures to behold--and if you've caught the equine bug, *Horseback Riding For Dummies* is all you need to get saddled up and started on your journey to riding into the sunset!



Inside, riders at the beginner level will discover the differences between Western and English riding styles, get the knowledge to select the best stable and instructor, and so much more!

- Choose the riding discipline that best suits your interests
- Find a qualified riding instructor
- Learn how to enter the competitive riding world
- Fit and care for the saddle, bridle, and other equipment

Once you've fallen for one of these beautiful animals, it's hard to hold your horses--and this guide is here to give you the skills and know-how to take that excitement to the ring!

JULY 2020 UnknownPP
978-1-119-60766-3 PB \$24.99 (Japan)
PET CARE / HORSES

言語学

The Handbook of Dialectology

EDITOR CHARLES BOBERG, EDITOR JOHN NERBONNE & EDITOR DOMINIC WATT

McGill University in Montreal, Canada; University of Groningen, The Netherlands; University of York, UK

The *Handbook of Dialectology* provides an authoritative, up-to-date and unusually broad account of the study of dialect, in one volume. Each chapter reviews essential research, and offers a critical discussion of the past, present and future development of the area.



- The volume is based on state-of-the-art research in dialectology around the world, providing the most current work available with an unusually broad scope of topics
- Provides a practical guide to the many methodological and statistical issues surrounding the collection and analysis of dialect data
- Offers summaries of dialect variation in the world's most widely spoken and commonly studied languages, including several non-European languages that have traditionally received less attention in general discussions of dialectology
- Reviews the intellectual development of the field, including its main theoretical schools of thought and research traditions, both academic and applied
- The editors are well known and highly respected, with a deep knowledge of this vast field of inquiry

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

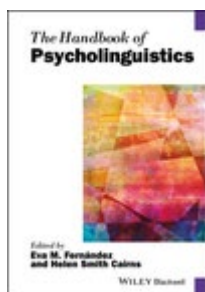
JULY 2020 616PP
978-1-119-36124-4 PB \$54.95 (Japan)
9781118827550 CL \$202.75 (Japan) Published, DECEMBER 2017
General & Introductory Linguistics

The Handbook of Psycholinguistics

EDITOR EVA M. FERNANDEZ & EDITOR HELEN SMITH CAIRNS

Queens College, City University of New York, USA; City University of New York, USA

Incorporating approaches from linguistics and psychology, *The Handbook of Psycholinguistics* explores language processing and language acquisition from an array of perspectives and features cutting edge research from cognitive science, neuroscience, and other related fields.



The *Handbook* provides readers with a comprehensive review of the current state of the field, with an emphasis on research trends most likely to determine the shape of psycholinguistics in the years ahead. The chapters are organized into three parts, corresponding to the major areas of psycholinguistics: production, comprehension, and acquisition. The collection of chapters, written by a team of international scholars, incorporates multilingual populations and neurolinguistic dimensions. Each of the three sections also features an overview chapter in which readers are introduced to the different theoretical perspectives guiding research in the area covered in that section.

Timely, comprehensive, and authoritative, *The Handbook of Psycholinguistics* is a valuable addition to the reference shelves of researchers in psychology, linguistics, and cognitive science, as well as advanced undergraduates and graduate students interested in how language works in the human mind and how language is acquired.

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

JULY 2020 784PP
978-1-119-09652-8 PB \$54.95 (Japan)
9781118829509 CL \$202.75 (Japan) Published, NOVEMBER 2017
Psycholinguistics

The Handbook of Language Contact

2nd Edition

RAYMOND HICKEY

Essen University, Germany

The second edition of the definitive reference on contact studies and linguistic change--provides extensive new research and original case studies



Language contact is a dynamic area of contemporary linguistic research that studies how language changes when speakers of different languages interact. Accessibly structured into three sections, *The Handbook of Language Contact* explores the role of contact studies within the field of linguistics, the value of contact studies for language change research, and the relevance of language contact for sociolinguistics. This authoritative volume presents original findings and fresh research directions from an international team of prominent experts. Thirty-seven specially-commissioned chapters cover a broad range of topics and case studies of contact from around the world.

Now in its second edition, this valuable reference has been extensively updated with new chapters on topics including globalization, language acquisition, creolization, code-switching, and genetic classification. Fresh case studies examine Romance, Indo-European, African, Mayan, and many other languages in both the past and the present.

- Includes a representative sample of individual studies which re-evaluate the role of language contact in the broader context of language and society
- Offers 23 new chapters written by leading scholars
- Examines language contact in different societies, including many in Africa and Asia
- Provides a cross-section of case studies drawing on languages across the world

The Handbook of Language Contact, Second Edition is an indispensable resource for researchers, scholars, and students involved in language contact, language variation and change, sociolinguistics, bilingualism, and language theory.

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

JULY 2020 796PP
978-1-119-48502-5 CL \$170.00 (Japan)
ENGLISH LANGUAGE

The Handbook of Advanced Proficiency in Second Language Acquisition

EDITOR PAUL A. MALOVRH & EDITOR ALESSANDRO G. BENATI

University of South Carolina, USA; American University of Sharjah, UAE

A comprehensive, current review of the research and approaches to advanced proficiency in second language acquisition

The Handbook of Advanced Proficiency in Second Language Acquisition offers an overview of the most recent and scientific-based research concerning higher proficiency in second language acquisition (SLA). With contributions from an international team of experts in the field, the *Handbook* presents several theoretical approaches to SLA and offers an examination of advanced proficiency from the viewpoint of various contexts and dimensions of second language performance. The authors also review linguistic phenomena among advanced learners through the lens of phonology and grammar development.

Comprehensive in scope, this book provides an overview of advanced proficiency grounded in socially-relevant domains of second language acquisition including discourse, reading, genre-based writing, and pragmatic competence. The authoritative volume brings together the theoretical accounts of advanced language use combined with solid empirical research.

Written for scholars, students and linguists, *The Handbook of Advanced Proficiency in Second Language Acquisition* is a comprehensive text that offers the most recent developments in the study of advanced proficiency in the acquisition of a second language.

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

JULY 2020 608PP

978-1-119-26162-9 PB \$54.95 (Japan)

9781119261612 CL \$215.00(Japan) Published, AUGUST 2018

Second Language Acquisition



ライフサイエンス

Encyclopedia of Marine Biotechnology

SE-KWON KIM

Pukyong National University

A keystone reference that presents both up-to-date research and the far-reaching applications of marine biotechnology

Featuring contributions from 100 international experts in the field, this five-volume encyclopedia provides comprehensive coverage of topics in marine biotechnology. It starts with the history of the field and delivers a complete overview of marine biotechnology. It then offers information on marine organisms, bioprocess techniques, marine natural products, biomaterials, bioenergy, and algal biotechnology. The encyclopedia also covers marine food and biotechnology applications in areas such as pharmaceuticals, cosmeceuticals, and nutraceuticals.

Each topic in *Encyclopedia of Marine Biotechnology* is followed by 10-30 subtopics. The reference looks at algae cosmetics, drugs, and fertilizers; biodiversity; chitins and chitosans; aeropysinin-1, toluquinol, astaxanthin, and fucoxanthin; and algal and fish genomics. It examines neuro-protective compounds from marine microorganisms; potential uses and medical management of neurotoxic phycotoxins; and the role of metagenomics in exploring marine microbiomes. Other sections fully explore marine microbiology, pharmaceutical development, seafood science, and the new biotechnology tools that are being used in the field today.

Encyclopedia of Marine Biotechnology is a must-have resource for researchers, scientists, and marine biologists in the industry, as well as for students at the postgraduate and graduate level. It will also benefit companies focusing on marine biotechnology, pharmaceutical and biotechnology, and bioenergy.

JULY 2020 3248PP

978-1-119-14377-2 CL \$950.00 (Japan)

Biotechnology (Life Sciences)



Principles of Plant Genetics and Breeding

3rd Edition

GEORGE ACQUAAH

Langston University

The revised edition of the bestselling textbook, covering both classical and molecular plant breeding

Principles of Plant Genetics and Breeding integrates theory and practice to provide an insightful examination of the fundamental principles and advanced techniques of modern plant breeding. Combining both classical and molecular tools, this comprehensive textbook describes the multidisciplinary strategies used to produce new varieties of crops and plants, particularly in response to the increasing demands to of growing populations. Illustrated chapters cover a wide range of topics, including plant reproductive systems, germplasm for breeding, molecular breeding, the common objectives of plant breeders, marketing and societal issues, and more.

Now in its third edition, this essential textbook contains extensively revised content that reflects recent advances and current practices. Substantial updates have been made to its molecular genetics and breeding sections, including discussions of new breeding techniques such as zinc finger nuclease, oligonucleotide directed mutagenesis, RNA-dependent DNA methylation, reverse breeding, genome editing, and others. A new table enables efficient comparison of an expanded list of molecular markers, including Allozyme, RFLPs, RAPD, SSR, ISSR, DAMD, AFLP, SNPs and ESTs. Also, new and updated "Industry Highlights" sections provide examples of the practical application of plant breeding methods to real-world problems.

Principles of Plant Genetics and Breeding offers researchers and professionals an invaluable resource and remains the ideal textbook for advanced undergraduates and graduates in plant science, particularly those studying plant breeding, biotechnology, and genetics.

JULY 2020 775PP
978-1-119-62632-9 PB \$99.99 (Japan)
PLANT SCIENCE

Janice VanCleave's Big Book of Science Experiments

JANICE VANCLEAVE, RIESEL

Janice VanCleave once again ignites children's love for science in her all-new book of fun experiments--featuring a fresh format, new experiments, and updated content standards



From everyone's favorite science teacher comes *Janice VanCleave's Big Book of Science Experiments*. This user-friendly book gets kids excited about science with lively experiments designed to spark imaginations and encourage science learning. Using a few handy supplies, you will have your students exploring the wonders of science in no time. Simple step-by-step instructions and color illustrations help you easily demonstrate the fundamental concepts of astronomy, biology, chemistry, and more. Children will delight in making their own slime and creating safe explosions as they learn important science skills and processes.

Author Janice VanCleave passionately believes that *all* children can learn science. She has helped millions of students experience the magic and mystery of science with her time-tested, thoughtfully-designed experiments. This book offers both new and classic activities that cover the four dimensions of science--physical science, astronomy, Biology, and Earth Science--and provide a strong foundation in science education for students to build upon. An ideal resource for both classroom and homeschool environments, this engaging book:

- Enables students to experience science firsthand and discuss their observations
- Offers low-prep experiments that require simple, easily-obtained supplies
- Presents a modern, full-color design that appeals to students
- Includes new experiments, activities, and lessons
- Correlates to National Science Standards

Janice VanCleave's Big Book of Science Experiments is a must-have book for the real-world classroom, as well as for any parent seeking to teach science to their children.

JULY 2020 304PP
978-1-119-59065-1 PB \$19.99 (Japan)
Science/General & Junior Science/K-12

文学

Herman Melville

A Half-Known Life

JOHN BRYANT

Hofstra University

READERSHIP: This is a revisionist critical biography for scholars, students and general readers interested in Herman Melville. The content summaries provided are detailed and clearly the odds are on this book growing like Topsy, but Bryant's intention to keep the book as close to four hundred pages that is 150,000 words plus b&w plates and apparatus as possible, seems deeply decided and deliberate.

JULY 2020 400PP
978-1-4051-2190-3 CL \$160.00 (Japan)
Literary Biography

数学

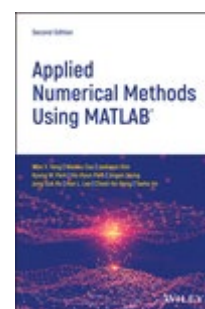
Applied Numerical Methods Using MATLAB

2nd Edition

WON Y. YANG, WENWU CAO, JAEKWON KIM, KYUNG W. PARK,
HO-HYUN PARK, JINGON JOUNG, JONG-SUK RO, HAN L. LEE,
CHEOL-HO HONG & TAEHO IM

Chung-Ang University, Korea; Materials Research Lab,
Pennsylvania State University

This new edition provides an updated approach for students, engineers, and researchers to apply numerical methods for solving problems using MATLAB®



This accessible book makes use of MATLAB® software to teach the fundamental concepts for applying numerical methods to solve practical engineering and/or science problems. It presents programs in a complete form so that readers can run them instantly with no programming skill, allowing them to focus on understanding the mathematical manipulation process and making interpretations of the results.

Applied Numerical Methods Using MATLAB®, Second Edition begins with an introduction to MATLAB usage and computational errors, covering everything from input/output of data, to various kinds of computing errors, and on to parameter sharing and passing, and more. The system of linear equations is covered next, followed by a chapter on the interpolation by Lagrange polynomial. The next sections look at interpolation and curve fitting, nonlinear equations, numerical differentiation/integration, ordinary differential equations, and optimization. Numerous methods such as the Simpson, Euler, Heun, Runge-kutta, Golden Search, Nelder-Mead, and more are all covered in those chapters. The eighth chapter provides readers with matrices and Eigenvalues and Eigenvectors. The book finishes with a complete overview of differential equations.

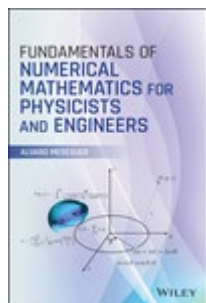
Applied Numerical Methods Using MATLAB®, Second Edition is an excellent text for students who wish to develop their problem-solving capability without being involved in details about the MATLAB codes. It will also be useful to those who want to delve deeper into understanding underlying algorithms and equations.

JULY 2020 UnknownPP
978-1-119-62680-0 CL \$160.00 (Japan)
NUMERICAL METHODS

Fundamentals of Numerical Mathematics for Physicists and Engineers

ALVARO MESEGUER

Introduces the fundamentals of numerical mathematics and illustrates its applications to a wide variety of disciplines in physics and engineering



Applying numerical mathematics to solve scientific problems, this book helps readers understand the mathematical and algorithmic elements that lie beneath numerical and computational methodologies in order to determine the suitability of certain techniques for solving a given problem. It also contains examples related to problems arising in classical mechanics, thermodynamics, electricity, and quantum physics.

Fundamentals of Numerical Mathematics for Physicists and Engineers is presented in two parts. Part I addresses the root finding of univariate transcendental equations, polynomial interpolation, numerical differentiation, and numerical integration. Part II examines slightly more advanced topics such as introductory numerical linear algebra, parameter dependent systems of nonlinear equations, numerical Fourier analysis, and ordinary differential equations (initial value problems and univariate boundary value problems). Chapters cover: Newton's method, Lebesgue constants, conditioning, barycentric interpolatory formula, Clenshaw-Curtis quadrature, GMRES matrix-free Krylov linear solvers, homotopy (numerical continuation), differentiation matrices for boundary value problems, Runge-Kutta and linear multistep formulas for initial value problems. Each section concludes with Matlab hands-on computer practicals and problem and exercise sets.

Fundamentals of Numerical Mathematics for Physicists and Engineers is an excellent book for advanced undergraduate or graduate students in physics, mathematics, or engineering. It will also benefit students in other scientific fields in which numerical methods may be required such as chemistry or biology.

JULY 2020 416PP
978-1-119-42567-0 CL \$130.00 (Japan)
Numerical Methods

メディカル・サイエンス

ABC of Dementia

2nd Edition

EDITOR BERNARD COOPE & EDITOR
FELICITY RICHARDS

Worcestershire Health and Care NHS
Trust, UK; Worcestershire Health and
Care NHS Trust, UK

SERIES: ABC SERIES

JULY 2020 92PP
978-1-119-59939-5 PB \$33.99 (Japan)
General & Internal Medicine

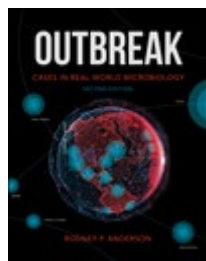


Outbreak

Cases in Real-World Microbiology
2nd Edition

RODNEY P. ANDERSON

Outbreak: Cases in Real-World Microbiology, 2nd Edition, is the newest edition of this fascinating textbook designed for introductory microbiology students and instructors. Thoroughly revised, this collection of case studies of real-world disease outbreaks, generously illustrated in full color, offers material that directly impacts college-level students, while the book's unique presentation offers instructors the flexibility to use it effectively in a number of ways.



More than 90 outbreak case studies, organized into six sections according to the human body system affected, illustrate the wide range of diseases caused by microbial pathogens. The studies are presented at differing levels of difficulty and can be taught at all undergraduate levels. Each case study includes questions for students to think about, discuss, and answer, and the book includes an appendix that directs students to the specific reference material on which each case was based, providing the opportunity to investigate further and to apply the reference content to the case being studied.

Each of the six sections of the book concludes with a College Perspective and a Global Perspective case study. The College Perspective provides a direct and practical link between the microbiology course and the daily lives of students. The Global Perspective connects students with outbreaks that have occurred in countries around the world to facilitate understanding of the social, religious, economic, and political values at play in the treatment and prevention of infectious disease. At the end of every section, detailed descriptions offer concise yet complete information on each disease involved in that section.

SERIES: ASM BOOKS

JULY 2020 304PP
978-1-68367-041-4 PB \$75.00 (Japan)
Microbiology

How to Perform Operative Procedures in Obstetrics and Gynaecology

EDITOR WAI YOONG, EDITOR WASIM LODHI & EDITOR ABHA GOVIND

Operative skills are crucial to the trainee in O&G. Sir William Blair-Bell, one of the founders of the RCOG, declared that an obstetrician and gynaecologist should be "firstly, a good surgeon; then, an inspirational teacher and lastly, contribute to advances in the field". Unfortunately, the implementation of structured training and EWTD, together with the fear of litigation and reduction of elective lists, have all contributed to a decrease in available training time. Conventional textbooks, while good at imparting theoretical knowledge, are often inadequate at explaining practical procedures. This digital package provides simple easy to follow videos showing 20 index operative procedures that are crucial for the Obstetrics and Gynaecology trainee to be able to perform safely and competently. Each video is narrated by an experienced NHS consultant, who includes vignettes and personal experiences which add to the learning opportunity. The videos, hosted on a companion website, will be accompanied by a book with corresponding chapters (with video stills and illustrations) written in an instructional but concise style.

SERIES: HOW TO PERFORM

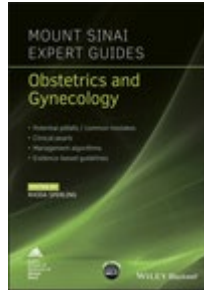
JULY 2020 208PP
978-1-118-67288-4 PB \$55.00 (Japan)
Obstetrics & Gynecology

Obstetrics and Gynecology

EDITOR RHODA SPERLING

Mount Sinai Expert Guides: Obstetrics and Gynecology provides specialty trainees and junior physicians with an extremely clinical, affordable and accessible handbook covering the key and hot topics in this complex field with focus throughout on clinical diagnosis and effective patient management.

Used as a point-of-care resource in the hospital and clinical setting, it presents the very best in expert information in an attractive, quick and easy to navigate informative and well-structured manner, with features such as key points, potential pitfalls, management algorithms, and national/international guidelines on treatment.



SERIES: MOUNT SINAI EXPERT GUIDES

JULY 2020 440PP
978-1-119-45011-5 PB \$90.00 (Japan)
Obstetrics & Gynecology

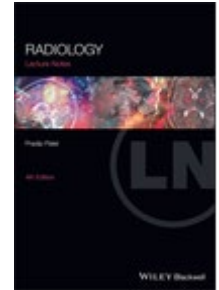
Lecture Notes : Radiology

4th Edition

PRADIP R. PATEL

Ealing Hospital, Middlesex

Lecture Notes: Radiology presents the essential core knowledge needed by medical students, junior doctors on the Foundation Programme, specialist nurses and staff in the radiology department. Organized by body systems, it provides a fundamental understanding of radiology as it focuses on imaging techniques, basic film interpretation, and specialized radiological investigation. It emphasizes the pattern of disease as seen on commonly used X-rays and contrast examinations, with explanatory notes on further investigations by imaging techniques such as ultrasound, CT and MRI.



SERIES: LECTURE NOTES

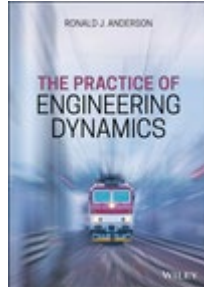
JULY 2020 212PP
978-1-119-55034-1 PB \$50.00 (Japan)
Radiology & Imaging

機械工学

The Practice of Engineering Dynamics

RONALD J. ANDERSON

The Practice of Engineering Dynamics is a textbook that takes a systematic approach to understanding dynamic analysis of mechanical systems. It comprehensively covers dynamic analysis of systems from equilibrium states to non-linear simulations and presents frequency analysis of experimental data. It divides the practice of engineering dynamics into three parts: Part 1 -Modelling: Deriving Equations of Motion; Part 2 - Simulation: Using the Equations of Motion; and Part 3- Experimental Frequency Domain Analysis. This approach fulfils the need to be able to derive the equations governing the motion of a system, to then use the equations to provide useful design information, and finally to be able to analyze experimental data measured on dynamic systems.



The Practice of Engineering Dynamics includes end of chapter exercises and is accompanied by a website hosting a solutions manual.

JULY 2020 325PP
978-1-119-05370-5 CL \$110.00 (Japan)
Solid Mechanics

Planning and Executing Credible Experiments

ROBERT J. MOFFAT & ROY W. HENK

Provides comprehensive coverage of experiment planning, execution, and analysis

This handy, single-source resource guides readers in planning and conducting credible experiments for engineering, science, industrial processes, agriculture, and business. It takes them all the way through designing successful experiments, from initial conception, through execution of the experiment, to the final report, and prepares the reader to anticipate the choices faced throughout each one.



Filled with real-world examples from engineering science and industry, *Planning and Executing Credible Experiments: A Guidebook for Engineering, Science, Industrial Processes, Agriculture, and Business* offers chapters that challenge experimenters at each stage of planning and execution. Tested over decades at Stanford University and internationally, it is accompanied by a website hosting two powerful, free, open-source software tools that reinforce experiment design and analysis.

- A comprehensive guide to experiment planning, execution, and analysis
- Leads from initial conception, through the experiment's launch, to final report
- Prepares the reader to anticipate the choices faced throughout an experiment
- Offers chapters that propose questions that an experimenter will need to ask and answer during each stage of planning and execution
- Includes examples from real-life industrial experiments
- Accompanied by a website hosting open-source software

Planning and Executing Credible Experiments is an excellent resource for graduates and senior undergraduates--as well as professionals--across a wide variety of engineering disciplines.

JULY 2020 282PP
978-1-119-53287-3 CL \$130.00 (Japan)
Control Process & Measurements

Essentials of Supersonic Commercial Aircraft Conceptual Design

EGBERT TORENBECK

Since the birth of Concorde there has been a wealth of scientific publications on topics such as the development of supersonic cruise vehicles, aerodynamics, propulsion, structural design and flight physics, in particular analysis of the sonic boom. However, since the demise of Concorde more than half a century ago there are no designers left with the experience and knowledge required for developing a new initial design proposal. Conceptual Design of Supersonic Commercial Aircraft addresses this need and is a must-have guide to conceptual supersonic aircraft design, providing a state-of-the art overview, expert analysis and discussion. It examines the challenges of high-speed flight, covers aerodynamic phenomena in supersonic flow and aerodynamic drag in cruising flight, and discusses the advantages and disadvantages of oblique wing aircraft.

SERIES: AEROSPACE SERIES

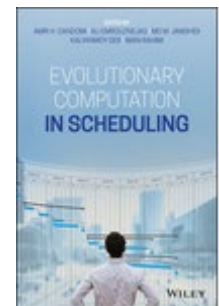
JULY 2020 275PP
978-1-119-66700-1 CL\$120.00 (Japan)
Aeronautic & Aerospace Engineering

Evolutionary Computation in Scheduling

EDITOR AMIR H. GANDOMI, EDITOR ALI EMROUZNEJAD, EDITOR MO M. JAMSHIDI, EDITOR KALYANMOY DEB & EDITOR IMAN RAHIMI

Indian Institute of Technology, Kanpur, India

Presents current developments in the field of evolutionary scheduling and demonstrates the applicability of evolutionary computational techniques to solving scheduling problems



This book provides insight into the use of evolutionary computations (EC) in real-world scheduling, showing readers how to choose a specific evolutionary computation and how to validate the results using metrics and statistics. It offers a spectrum of real-world optimization problems, including applications of EC in industry and service organizations such as healthcare scheduling, aircraft industry, school timetabling, manufacturing systems, and transportation scheduling in the supply chain. It also features problems with different degrees of complexity, practical requirements, user constraints, and MOEC solution approaches.

Evolutionary Computation in Scheduling starts with a chapter on scientometric analysis to analyze scientific literature in evolutionary computation in scheduling. It then examines the role and impacts of ant colony optimization (ACO) in job shop scheduling problems, before presenting the application of the ACO algorithm in healthcare scheduling. Other chapters explore task scheduling in heterogeneous computing systems and truck scheduling using swarm intelligence, application of sub-population scheduling algorithm in multi-population evolutionary dynamic optimization, task scheduling in cloud environments, scheduling of robotic disassembly in remanufacturing using the bees algorithm, and more.

Evolutionary Computation in Scheduling is ideal for engineers in industries, research scholars, advanced undergraduates and graduate students, and faculty teaching and conducting research in Operations Research and Industrial Engineering.

JULY 2020 368PP
978-1-119-57384-5 CL \$125.00 (Japan)
Computational / Numerical Methods

材料科学

Transparent Ceramics

Materials, Engineering, and Applications

ADRIAN GOLDSTEIN, ANDREAS KRELL & ZEEV BURSHTEN

A detailed account of various applications and uses of transparent ceramics and the future of the industry

In *Transparent Ceramics: Materials, Engineering, and Applications*, readers will discover the necessary foundation for understanding transparent ceramics (TCs) and the technical and economic factors that determine the overall worth of TCs. This book provides readers with a thorough history of TCs, as well as a detailed account of the materials, engineering and applications of TC in its various forms; fabrication and characterization specifics are also described. With this book, researchers, engineers, and students find a definitive guide to past and present use cases, and a glimpse into the future of TC materials.



The book covers a variety of TC topics, including:

- *The methods employed for materials produced in a transparent state
- *Detailed applications of TCs for use in lasers, IR domes, armor-windows, and various medical prosthetics
- *A review of traditionally used transparent materials that highlights the benefits of TCs
- *Theoretical science and engineering theories presented in correlation with learned data
- *A look at past, present, and future use-cases of TCs

This insightful guide to ceramics that can be fabricated into bulk transparent parts will serve as a must-read for professionals in the industry, as well as students looking to gain a more thorough understanding of the field.

JULY 2020 384PP
978-1-119-42949-4 CL \$180.00 (Japan)
Ceramics

SQUID Readout Electronics and Magnetometric Systems for Practical Applications

XIAOMING XIE, HUI DONG, GUOFENG ZHANG, YI ZHANG & HANS-JOACHIM KRAUSE

The working principles and phenomena the SQUID technology is based on are not so easy to understand by those, who want to use the technology for specific applications. This book builds a bridge for scientists and engineers to fill potential know-how gaps for all working together on SQUID systems and their practical applications. Key words like readout electronics, flux quantization, Josephson effects or noise contributions will be no obstacle for the design and use of simple and robust SQUID systems.



JULY 2020 264PP
978-3-527-34488-8 CL \$102.15 (Japan)
Materials Characterization

Principles of Inorganic Materials Design

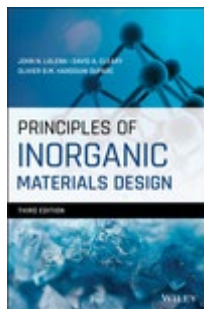
3rd Edition

JOHN N. LALENA, DAVID A. CLEARY & OLIVIER B.M. HARDOUIN DUPARC

Gonzaga University in Spokane, WA; J.N. Lalena Consulting, in Puyallup, WA

Learn the fundamentals of material design with this all-inclusive approach to the basics in the field

Study of material science is an important aspect of curricula at universities worldwide. This text is designed to serve students at a fundamental level, positioning material design as an essential aspect of the study of electronics, medicine, and energy storage. Now in its 3rd edition, *Principles of Inorganic Material Design* is an introduction to relevant topics including inorganic materials structure/property relations and material behaviors.



The new edition now includes chapters on computational materials science, intermetallic compounds, and covalent compounds. The text is meant to aid students in their studies by providing additional tools to study the key concepts and understand recent developments in materials research. In addition to the many topics covered, the textbook includes:

- *Accessible learning tools to help students better understand key concepts
- *Updated content including case studies and new information on computational materials science
- *Practical end-of-chapter exercises to assist students with the learning of the material
- *A look at experimental studies and results to provide a 360 view of field materials design

For undergraduates just learning the material or professionals looking to brush up on their knowledge of current material design information, this text covers a wide range of concepts, research, and topics to help round out their education.

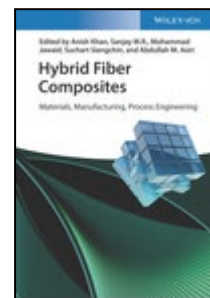
JULY 2020 752PP
978-1-119-48683-1 CL \$195.00 (Japan)
PROPERTIES OF MATERIALS

Hybrid Fiber Composites

Materials, Manufacturing, Process Engineering

EDITOR ANISH KHAN, EDITOR SANJAY M. RANGAPPA, EDITOR MOHAMMAD JAWAID, EDITOR SUCHART SIENGCHIN & EDITOR ABDULLAH M. ASIRI

After an overview of the general structures and properties of hybrid fiber composites, the book focuses on the manufacturing and processing of these materials and their mechanical performance, including the elucidation of failure mechanisms. A comprehensive chapter on the modeling of hybrid fiber composites from micromechanical properties to macro-scale material behavior is followed by a review of applications of these materials in structural engineering, packaging, and the automotive and aerospace industries.



JULY 2020 432PP
978-3-527-34672-1 CL \$205.00 (Japan)
Composites

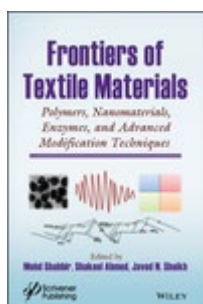
ナノテクノロジー

Frontiers of Textile Materials

Polymers, Nanomaterials, Enzymes, and Advanced Modification Techniques

EDITOR MOHD SHABBIR, EDITOR SHAKEEL AHMED & EDITOR JAVED N. SHEIKH

The book "Frontiers and Textile Materials will deal with the important materials that can be utilized for value-addition and functionalization of textile materials. The topics covered in this book includes the materials like enzymes, polymers, etc. that are utilized for conventional textile processing and the advanced materials like nanoparticles which are expected to change the horizons of textiles. The futuristic techniques for textile processing like plasma are also discussed.



JULY 2020 384PP
978-1-119-62037-2 CL \$225.00 (Japan)
Nanomaterials

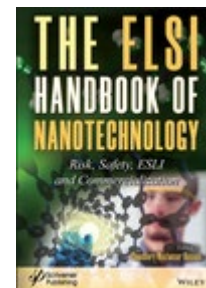
The ELSI Handbook of Nanotechnology

Risk, Safety, ELSI and Commercialization

EDITOR CHAUDHERY MUSTANSAR HUSSAIN

NJIT, Dept of Chemistry and Environmental Sciences

This Handbook focuses on the recent advancements in Safety, Risk, Ethical Society and Legal Implications (ELSI) as well as its commercialization of nanotechnology, such as manufacturing. Nano is moving out of its relaxation phase of scientific route, and as new products go to market, organizations all over the world, as well as the general public, are discussing the environmental and health issues associated with nanotechnology. Nongovernmental science organizations have long since reacted; however, now the social sciences have begun to study the cultural portent of nanotechnology. Societal concerns and their newly constructed concepts, show nanoscience interconnected with the economy, ecology, health, and governance. This handbook addresses these new challenges and is divided into 7 sections: Nanomaterials and the Environment; Life Cycle Environmental Implications of Nanomanufacturing; Bioavailability and Toxicity of Manufactured Nanoparticles in Terrestrial Environments; Occupational Health Hazards of Nanoparticles; Ethical Issues in Nanotechnology; Commercialization of Nanotechnology; Legalization of Nanotechnology.



JULY 2020 480PP
978-1-119-59160-3 CL \$245.00 (Japan)
Environmental and Safety Aspects of Nanotechnology

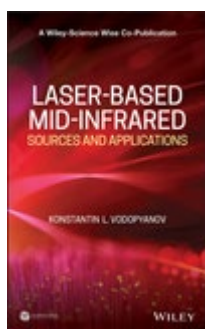
物理学

Laser-based Mid-infrared Sources and Applications

KONSTANTIN L. VODOPYANOV

An important guide to the major techniques for generating coherent light in the mid-infrared region of the spectrum

Laser-based Mid-infrared Sources and Applications gives a comprehensive overview of the existing methods for generating coherent light in the important yet difficult-to-reach mid-infrared region of the spectrum (2–20 μm) and their applications.



The book describes major approaches for mid-infrared light generation including ion-doped solid-state lasers, fiber lasers, semiconductor lasers, and laser sources based on nonlinear optical frequency conversion, and reviews a range of applications: spectral recognition of molecules and trace gas sensing, biomedical and military applications, high-field physics and attoscience, and others. Every chapter starts with the fundamentals for a given technique that enables self-directed study, while extensive references help conduct deeper research.

Laser-based Mid-infrared Sources and Applications provides up-to-date information on the state-of-the-art mid-infrared sources, discusses in detail the advancements made over the last two decades such as microresonators and interband cascade lasers, and explores novel approaches that are currently subjects of intense research such as supercontinuum and frequency combs generation. This important book:

- * Explains the fundamental principles and major techniques for coherent mid-infrared light generation
 - * Discusses recent advancements and current cutting-edge research in the field
 - * Highlights important biomedical, environmental, and military applications
- Written for researchers, academics, students, and engineers from different disciplines, the book helps navigate the rapidly expanding field of mid-infrared laser-based technologies.

SERIES: A WILEY-SCIENCE WISE CO-PUBLICATION

JULY 2020 320PP
978-1-118-30181-4 CL \$165.00 (Japan)
Laser

Nonthermal Plasmas for Materials Processing

Polymer Surface Modification and Plasma Polymerization

JÖRG FRIEDRICH & JURGEN MEICHSNER

Bundesanstalt für Materialforschung, Berlin, Germany

JULY 2020 UnknownPP
978-1-119-36358-3 CL \$225.00 (Japan)
Plasma Physics

哲学

Problem Solving in Theoretical Physics

YURY M. BELOUSOV, SERGUEI N. BURMISTROV & ALEXEI I. TERNOV

The book helps students mastering their theoretical physics courses by posing advanced and even challenging problems and providing their detailed solutions. It is divided into three areas: classical theory of fields, quantum mechanics and statistical physics. For each of these fields, the authors give a concise overview of the background and then provide problems (in total more than 450) at different levels of difficulty. The second, larger part of the book contains the detailed solutions to all problems, with discussions of their physical significance and possibilities for generalization and transfer to other fields.

JULY 2020 568PP
978-3-527-41396-6 PB \$110.22 (Japan)
Theoretical Physics

Error, Illusion, Madness

BENTO PRADO JR. & TRANSLATOR
MARCO OLIVEIRA

SERIES: CRITICAL SOUTH

JULY 2020 240PP
978-1-5095-3704-4 CL \$64.95 (Japan)
978-1-5095-3705-1 PB \$22.95 (Japan)
General Philosophy



政治学

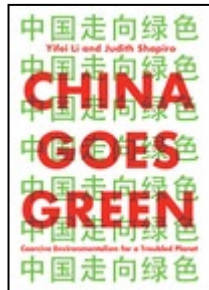
China Goes Green

Coercive Environmentalism for a Troubled Planet

YIFEI LI & JUDITH SHAPIRO

New Economic School

READERSHIP: Students of international and/or comparative environmental politics, Chinese studies, as well as general interested readers.



JULY 2020 240PP

978-1-5095-4311-3 CL \$64.95 (Japan)

978-1-5095-4312-0 PB \$22.95 (Japan)

Asian Politics

What Times Are We Living In?

A Conversation with Eric Hazan

JACQUES RANCIÈRE & TRANSLATOR STEVE CORCORAN

READERSHIP: Students and scholars in politics; political philosophy; humanities generally; followers of the work of Rancière; general readers interested in contemporary theory and radical politics



JULY 2020 75PP

978-1-5095-3698-6 CL \$45.00 (Japan)

978-1-5095-3699-3 PB \$12.95 (Japan)

Political Philosophy & Theory

Combatting Modern Slavery

Why Labour Governance is Failing and What We Can Do About It

GENEVIEVE LEBARON

University of Sheffield

READERSHIP: Students of political science, labor studies, sociology, and interdisciplinary courses on global change and CRS as well as readers and activists interested in issues of labour exploitation and business ethics.



JULY 2020 224PP

978-1-5095-1366-6 CL \$64.95 (Japan)

978-1-5095-1367-3 PB \$22.95 (Japan)

International Political Economy

心理学

The Wiley Handbook of Generalized Anxiety Disorder

ALEXANDER GERLACH

JULY 2020 600PP
978-1-119-18986-2 CL \$195.00 (Japan)
9781119189879 PB \$60.00 (Japan) NYP, DECEMBER 2022
Clinical Psychology

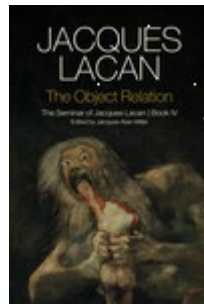
The Object Relation

The Seminar of Jacques Lacan, Book IV

JACQUES LACAN & TRANSLATED BY ADRIAN PRICE

READERSHIP:

Students and scholars in psychoanalysis, critical theory, feminism, gender studies, literary theory, cultural theory, 20th-century French philosophy, sociology and social theory; professionals and practitioners in psychoanalysis and psychotherapy.



JULY 2020 336PP
978-0-7456-6035-6 CL \$45.00 (Japan)
Psychoanalysis

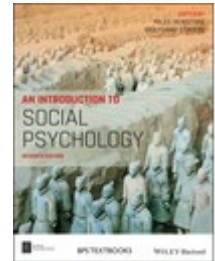
An Introduction to Social Psychology

7th Edition

EDITOR MILES HEWSTONE & EDITOR WOLFGANG STROEBE

Oxford University, UK; Utrecht University, The Netherlands

This definitive resource in social psychology includes engaging study tools designed to help students grasp the underlying theories and the latest research in the field.



In the 7th edition of *An Introduction to Social Psychology*, students will discover a wealth of tools to help them understand the theories and fundamental knowledge in the ever-evolving field of social psychology. With contributions leading psychologists, this feature-rich edition includes Theory Boxes, Research Close-ups, and Lab Boxes to help cement students' understanding of the study material.

This essential study guide has been engaging and educating students on social psychology theories and research for over 34 years. For students entering into the world of social psychology for the first time, this book covers foundational topics, such as:

- *The history of social psychology throughout Europe
- *Updated research methods and newly developed theories
- *In-depth looks at social cognition, aggression, prosocial behavior, and relationships
- *Strategies for changing attitude and behavior
- *Critical study materials for multiple-choice testing

The combination of traditional academic study with cohesion of topics, accessibility of material, and pedagogy in this 7th edition makes it a definitive resource for both instructors and beginning psychology students alike.

SERIES: BPS TEXTBOOKS IN PSYCHOLOGY

JULY 2020 672PP
978-1-119-48626-8 PB \$70.00 (Japan)
HIGHER EDUCATION GENERAL

In Praise of Forgiveness

MASSIMO RECALCATI & ALICE KILGARRIFF

READERSHIP: A wide general readership interested in relationships, the family, psychology and psychoanalysis, as well as anyone with an interest in the changing nature of love and relationships in modern societies.



JULY 2020 200PP
978-1-5095-3489-0 CL \$64.95 (Japan)
978-1-5095-3490-6 PB \$19.95 (Japan)
Psychology

セルフヘルプ

How to be a Well Being

The Unofficial Rules for Life

ANDY COPE, SANJEEV SANDHU & JAMES POULIOPOULOS

The mental health crisis is caused by a modern-day phenomenon - the world is moving faster than human evolution. We've been outpaced. And as the world changes, so do the damn rules. The game of life's difficult enough, but if you're playing by the old rules, you're doomed to finish amongst the also-rans.

To do more than survive -- to thrive and come alive -- you need to ditch the tired old wisdom. The truth is that you only die once. You get to live every single day. You just need to know how.

It's time to rethink your thinking. If you're sick and tired of being sick and tired, and the same old same old isn't cutting it, instead of more of the same - how about trying less of something completely different? This book is packed full of tips on how to do just that, including:

- How exercise enhances energy, mojo and mental health
- How to think differently about life's ups and downs
- How gratitude can uplift your mood
- How a positive attitude can bring happiness to others

How to be a WELL BEING: The Unofficial Rules for Life comprises 22 rules to help you along the way. Learn them, apply them and live by them because, best of all, they just work.

JULY 2020 224PP
978-0-85708-867-3 PB \$14.99 (Japan)
GENERAL SELF-HELP

社会学

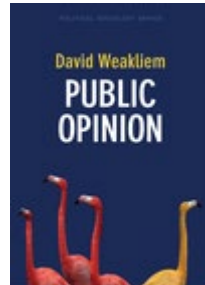
Public Opinion

DAVID L. WEAKLIEM

READERSHIP: Upper-level undergraduate students and above taking courses in political sociology, or sociological approaches to public opinion in departments of sociology, political science and communication studies

SERIES: POLITICAL SOCIOLOGY

JULY 2020 200PP
978-1-5095-2946-9 CL \$64.95 (Japan)
978-1-5095-2947-6 PB \$22.95 (Japan)
Political Sociology



The Colonialism of Human Rights

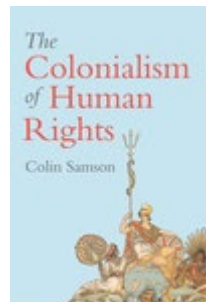
Ongoing Hypocrisies of Western Liberalism

COLIN SAMSON

University of Essex

READERSHIP: Upper-level undergraduate and postgraduate students of human rights, (post)colonialism, indigenous issues, race/ethnicity, and political sociology.

JULY 2020 256PP
978-1-5095-2997-1 CL \$69.95 (Japan)
978-1-5095-2998-8 PB \$24.95 (Japan)
Population & Demography



Is Free Speech Racist?

GAVAN TITLEY

The question of free speech is never far from the headlines and frequently declared to be in crisis. Starting from the observation that such debates so often focus on what can and cannot be said in relation to *race*, Gavan Titley asks why racism has become so central to intense disputes about the status and remit of freedom of speech.



Is Free Speech Racist? moves away from recurring debates about the limits of speech to instead examine how the principle of free speech is marshalled in today's multicultural and intensively mediated societies. This involves tracing the ways in which free speech has been mobilized in far-right politics, in the recycling of race realism and other discredited forms of knowledge, and in the politics of immigration and integration. Where there is intense political contestation and public confusion as to what constitutes racism and who gets to define it, "free speech" has been adopted as a primary mechanism for amplifying and re-animating racist ideas and racializing claims. As such, contemporary free speech discourse reveals much about the ongoing life of race and racism in contemporary society.

SERIES: DEBATING RACE

JULY 2020 144PP
978-1-5095-3615-3 CL \$45.00 (Japan)
978-1-5095-3616-0 PB \$12.95 (Japan)
Population & Demography

統計学

Improving Health Care Quality Case Studies with JMP

MARY ANN SHIFFLET, CECILIA MARTINEZ, JANE
OPPENLANDER & SHIRLEY SHMERLING

This book shows practitioners how to solve real world problems by example, using a comprehensive approach that covers problem definition and context, data management, selecting appropriate analysis methods, step-by-step JMP instructions, and how to interpret the statistical results in context. This book contains approximately 10-12 case studies on health care quality improvement. The *Background and Task* sections provides the problem and its context including explanation of key health care and medical concepts. The *Data and Data Management* sections gives the data source and variable definitions and shows JMP operations needed to prepare the data for analysis. The *Analysis* section gives step-by-step JMP instructions showing how to execute each statistical method presented. The *Summary* section interprets the JMP output and statistical results in the problem context. The *Concepts and Tools* section of each case identifies the applicable step in the Define-Measure-Analyze-Improve-Control cycle for each of the tools presented. A summary table shows the statistical methods, quality tools, JMP features, and data management concepts covered. Each case closes with *Exercises* and *Discussion Questions* that allow the learner to practice and extend the methods and tools shown in the case. Discussion questions are particularly useful in the online learning environment for student discussion and interaction.



JULY 2020 240PP
978-1-119-60461-7 CL \$115.00 (Japan)
Quality, Productivity & Reliability

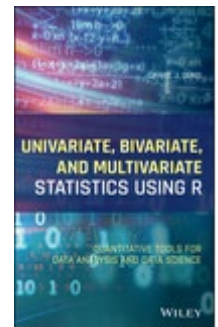
Univariate, Bivariate, and Multivariate Statistics Using R

Quantitative Tools for Data Analysis and Data
Science

DANIEL J. DENIS

**A practical source for performing
essential statistical analyses and data
management tasks in R**

Univariate, Bivariate, and Multivariate Statistics Using R offers a practical and very user-friendly introduction to the use of R software that covers a range of statistical methods featured in data analysis and data science. The author--a noted expert in quantitative teaching--has written a quick go-to reference for performing essential statistical analyses and data management tasks in R. Requiring only minimal prior knowledge, the book introduces concepts needed for an immediate yet clear understanding of statistical concepts essential to interpreting software output.



The author explores univariate, bivariate, and multivariate statistical methods, as well as select nonparametric tests. Altogether a hands-on manual on the applied statistics and essential R computing capabilities needed to write theses, dissertations, as well as research publications. The book is comprehensive in its coverage of univariate through to multivariate procedures, while serving as a friendly and gentle introduction to R software for the newcomer.

Written for students, professionals, and researchers primarily in the social, behavioral, and natural sciences, *Univariate, Bivariate, and Multivariate Statistics Using R* offers an easy-to-use guide for performing data analysis *fast*, with an emphasis on drawing conclusions from empirical observations. The book can also serve as a primary or secondary textbook for courses in data analysis or data science, or others in which quantitative methods are featured.

JULY 2020 384PP
978-1-119-54993-2 CL \$125.00 (Japan)
Multivariate Analysis

テストプレップ

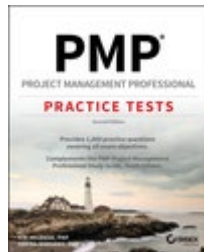
PMP Project Management Professional Practice Tests

2nd Edition

KIM HELDMAN & VANINA MANGANO

The best practice test preparation for the PMP exam!

Boost your confidence through preparation before you take the new Project Management Professional (PMP) exam. The *PMP Project Management Professional Practice Tests* is the hands-on way to prepare for the exam and achieve your certification.



- Access three practice tests
- Study questions that cover the three PMP performance domains
- Test your knowledge with three additional bonus exams
- Practice with a total of 1,000 unique test questions.

The Project Management Professional (PMP) certification was developed by the Project Management Institute (PMI). The certification requires extensive project management experience, instructional hours, and successful completion of the certification exam. Well-known PMP authors and experts, Kim Heldman and Vanina Mangano, have written practice questions that will help you get ready for testing as you work toward certification. The test questions provide you with coverage within each of the performance domains: people, process, and business environments.

Project managers play a critical role in today's organizations. When you pass the exam and earn certification, you will gain additional recognition for your skill set and expertise. This confidence-building guide also connects you to an interactive online learning environment and test bank including all the practice exam questions. Get help reaching your professional goals with the right PMP tools!

JULY 2020 336PP
978-1-119-66984-5 PB \$40.00 (Japan)
CERTIFICATION (MSCE, NOVELL, ETC.)

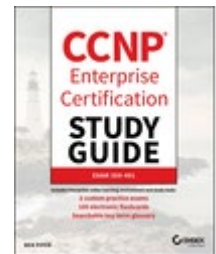
CCNP Enterprise Certification Study Guide: Implementing and Operating Cisco Enterprise Network Core Technologies

Exam 350-401

BEN PIPER

The practical and conceptual knowledge you need to attain CCNP Enterprise certification

From one of the most trusted study guide publishers comes *CCNP Enterprise Certification Study Guide: Exam 350-401*. This guide helps you develop practical knowledge and best practices for critical aspects of enterprise infrastructure so you can gain your CCNP Enterprise certification. If you're hoping to attain a broader range of skills and a solid understanding of Cisco technology, this guide will also provide fundamental concepts for learning how to implement and operate Cisco enterprise network core technologies.



By focusing on real-world skills, each chapter prepares you with the knowledge you need to excel in your current role and beyond. It covers emerging and industry-specific topics, such as SD-WAN, network design, wireless, and automation.

In addition to helping you gain enterprise knowledge, this study guide can lead you toward your Cisco specialist certification.

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- *Bonus practice exams
- *Pre-made flashcards
- *Glossary of key terms
- *Specific focus areas

Expand your skillset and take your career to the next level with *CCNP Enterprise Certification Study Guide*.

JULY 2020 512PP
978-1-119-65875-7 PB \$60.00 (Japan)
Cisco Certification

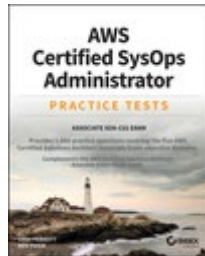
AWS Certified SysOps Administrator Practice Tests

Associate SOA-C01 Exam

SARA PERROTT & BEN PIPER

Study and prepare for the AWS Certified SysOps Administrator Associate (SOA-C01) Exam

You can prepare for test success with *AWS Certified SysOps Administrator Practice Tests: Associate (SOA-C01) Exam*. It provides a total of 1,000 practice questions that get you ready for the exam. The majority of questions are found within seven practice tests, which correspond to the seven AWS Certified SysOps Administrator Associate SOA-C01 Exam objective domains. Additionally, you can take advantage of an extra practice exam, or utilize an online test bank as an additional study resource.



Practice tests allow you to demonstrate your knowledge and ability to:

- Deploy, manage, and operate scalable and fault-tolerant systems on the service
- Implement and control data flow as it goes to and from AWS
- Choose the right AWS service depending upon requirements
- Identify the proper use of AWS best practices during operations
- Estimate AWS costs and pinpoint cost controls
- Migrate workloads to Amazon Web Services

As someone working to deliver cloud-based solutions, you can earn an AWS Certification to demonstrate your expertise with the technology. The certification program recognizes proficiency in technical skills and knowledge related to best practices for building cloud-based applications with AWS.

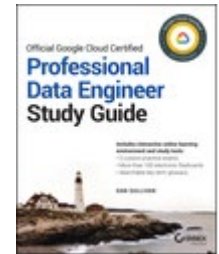
JULY 2020 360PP
978-1-119-62272-7 PB \$40.00 (Japan)
Misc (other) certifications

Official Google Cloud Certified Professional Data Engineer Study Guide

DAN SULLIVAN

The proven Study Guide that prepares you for this new Google Cloud exam

The *Google Cloud Certified Professional Data Engineer Study Guide*, provides everything you need to prepare for this important exam and master the skills necessary to land that coveted Google Cloud Professional Data Engineer certification. Beginning with a pre-book assessment quiz to evaluate what you know before you begin, each chapter features exam objectives and review questions, plus the online learning environment includes additional complete practice tests.



Written by Dan Sullivan, a popular and experienced online course author for machine learning, big data, and Cloud topics, *Google Cloud Certified Professional Data Engineer Study Guide* is your ace in the hole for deploying and managing analytics and machine learning applications.

- * Build and operationalize storage systems, pipelines, and compute infrastructure
 - * Understand machine learning models and learn how to select pre-built models
 - * Monitor and troubleshoot machine learning models
 - * Design analytics and machine learning applications that are secure, scalable, and highly available.
- This exam guide is designed to help you develop an in depth understanding of data engineering and machine learning on Google Cloud Platform.

JULY 2020 352PP
978-1-119-61843-0 PB \$60.00 (Japan)
Misc (other) certifications

獣医学

Veterinary Anaesthesia

Principles to Practice 2nd Edition

ALEXANDRA A DUGDALE, GEORGINA BEAUMONT, CARL BRADBROOK & MATTHEW GURNEY

Thorough revision of a comprehensive and highly readable textbook on veterinary anaesthesia

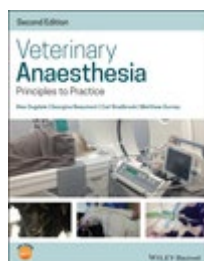
A popular book amongst veterinary students and veterinary anaesthesia residents, the new edition of *Veterinary Anaesthesia: Principles to Practice* continues to be a comprehensive textbook covering the key principles of veterinary anaesthesia, encompassing a wide range of species.

Fully revised, the information is summarised in a simple, accessible format to help readers navigate and locate relevant information quickly. Filled with technical and species-based chapters, it offers a quick reference guide to analgesic infusions, as well as emergency drug dose charts for canines, felines, and equines.

- Provides broad coverage of the basics of veterinary anaesthesia and how it is implemented in clinical practice
- Includes new information on mechanisms of general anaesthesia
- Features new and improved photographs and line illustrations, plus end of chapter questions to test your knowledge
- Covers veterinary anaesthesia for a wide range of species, including dogs, cats, horses, rabbits, donkeys, and pigs
- Expands example case material to increase relevance to day-to-day clinical practice

Updated to contain the latest developments in the field, *Veterinary Anaesthesia: Principles to Practice* is designed specifically for veterinary students and those preparing to take advanced qualifications in veterinary anaesthesia. It is also a useful reference for veterinarians in practice and advanced veterinary nurses and technicians.

JULY 2020 448PP
978-1-119-24677-0 PB \$65.00 (Japan)
VETERINARY ANESTHESIA, ANALGESIA & PAIN MEDICINE

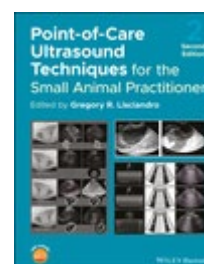
**Point-of-Care Ultrasound Techniques for the Small Animal Practitioner**

2nd Edition

GREGORY R. LISCIANDRO

Hill Country Animal Hospital and FASTVet.com, Spicewood, Texas

This book offers a thorough revision and update to the first landmark book that presented a standardized approach to focused point-of-care ultrasound exams of the abdomen, thorax, musculoskeletal and eye in veterinary practice. Now incorporating new applications for focused ultrasound exams and additional species, this Second Edition continues to be a state-of-the-art reference for using abbreviated ultrasound exams in clinical practice. A companion website features supplementary video clips of these point-of-care techniques depicting actual ultrasound exams for comparison and comprehension.



New chapters in *Point-of-Care Ultrasound Techniques for the Small Animal Practitioner, Second Edition* cover ultrasound-guided nerve blocks, musculoskeletal, brain imaging, and applications of focused ultrasound techniques in cats, exotics and marine mammals--making it an essential purchase for veterinarians wanting to incorporate point-of-care ultrasound techniques into their veterinary practices.

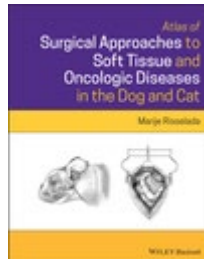
The second edition of *Point-of-Care Ultrasound Techniques for the Small Animal Practitioner* is an excellent resource for veterinary practitioners, ranging from the general practitioner to nearly all clinical specialists, including internal medicine, oncology, cardiology, emergency and critical care, anesthesiology, ophthalmology, exotics, and zoo medicine specialists, and veterinary students.

JULY 2020 UnknownPP
978-1-119-46098-5 CL \$179.99 (Japan)
VETERINARY EMERGENCY & CRITICAL CARE

Atlas of Surgical Approaches for Soft Tissue and Oncologic Diseases in the Dog and Cat

MARIJE RISSELADA

This book offers practical guidance to making approaches for surgery to treat soft tissue and oncologic conditions in canine and feline patients. Every approach is outlined with step-by-step descriptions on how to handle the incision and covers indications and patient positioning. Detailed, high-quality medical illustrations are also included for each, and topics are logically laid out with images on the left and text on the right.



Atlas of Surgical Approaches to Soft Tissue and Oncologic Diseases in the Dog and Cat starts with a chapter on oromaxillofacial approaches, followed by chapters covering the cervical area and ear, forelimb, hindlimb, thorax, and abdomen. The book finishes with complete coverage of the approaches to the perineal area and pelvic canal and digits and tail, making it an excellent guide for surgeons to plan and execute their approach to soft tissue and oncologic diseases.

- Describes the complete approach to surgical incisions for soft tissue and oncologic disease, with alternative positions or approaches where appropriate
- Provides a high-quality medical line drawing depicting each approach
- Offers practical guidance for surgeons to direct their approach during surgery
- Covers indications, patient positioning, and step-by-step summaries of each approach
- Follows a logical two-page layout with text on one side and illustrations on the other

Atlas of Surgical Approaches to Soft Tissue and Oncologic Diseases in the Dog and Cat is an essential reference for any veterinary surgeon or clinician treating soft tissue and oncologic diseases surgically.

JULY 2020 UnknownPP
978-1-119-37013-0 CL \$124.99 (Japan)
Veterinary Surgery, Orthopedics & Trauma

Handbook of Exotic Pet Medicine

MARIE KUBIAK

JULY 2020 440PP
978-1-119-38994-1 PB \$95.00 (Japan)
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