

# JAPAN PREVIEW

February 2021



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WILEY

## JAPAN PREVIEW

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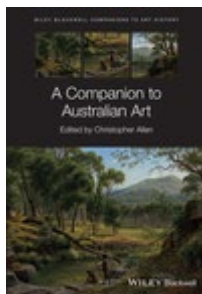
## 芸術

**A Companion to Australian Art**

EDITOR CHRISTOPHER ALLEN &amp; SERIES EDITOR DANA ARNOLD

The Australian, Australia; University of Southampton

This book is an introduction to the art produced in Australia over the period since the settlement that began with the arrival of the First Fleet in 1788. Its contributors are a combination of veteran art historians and younger scholars, but all were asked to provide fresh, clear and engaging accounts of their subjects, free of academic jargon and ideological tendentiousness. Most of the chapters concern significant periods, arranged in a roughly chronological order, but several are focused on particular regions or particular artforms which would otherwise be lost in the broader historical current.



SERIES: BLACKWELL COMPANIONS TO ART HISTORY

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Art History & Criticism

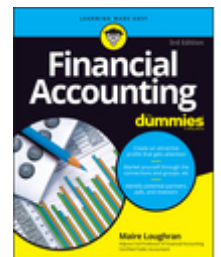
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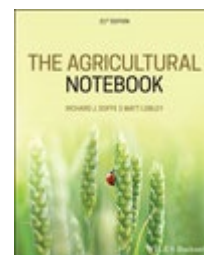
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GENERAL & INTRODUCTORY AGRICULTURE

## 人類学

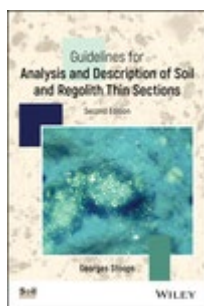
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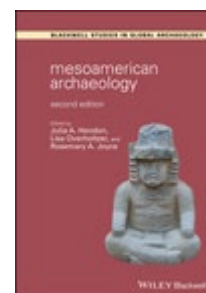
## Mesoamerican Archaeology

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ARCHAEOLOGY OF THE AMERICAS

## 建築学

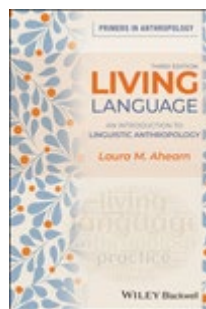
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LAURA M. AHEARN

Rutgers University, USA

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SERIES: PRIMERS IN ANTHROPOLOGY

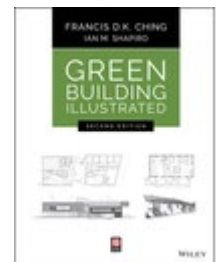
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LINGUISTIC ANTHROPOLOGY

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FEBRUARY 2021 336PP  
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BUILDING DESIGN

## Multiform

### Architecture in an Age of Transition

GUEST EDITOR OWEN HOPKINS & GUEST EDITOR ERIN MCKELLAR

This issue of AD posits that this re-examination and redeployment of postmodernist approaches is the architectural attempt to reflect, grapple with and make sense of the current political and economic situation. The term 'ad hoc' is used to describe a resistance to stylistic conformity and predictability that embraces individuality, and which conceives architecture in a broader cultural space. As a mode of practice marked by stylistic divergence, the links, shared interest and continuities that exist among a range of architects are often overlooked. It will explore and provide a critical analysis of the design tactics and the strategies that inform them, and will investigate some key questions: What is it that has led architects to adopt tactics that have long been vilified within architectural culture? What connections exist between our present moment and the postmodern one, architecturally and in terms of the broader political shifts, in particular our present moment's return of the grand narrative -- whether of populist nationalism, identity or climate change? What do these tactics represent, how do they reflect this situation, and what do they offer in articulating a position for architects and the public role of their profession?



This issue brings together a range of architects and critical voices to reflect on these questions and offer some answers. Essays by historians and critics situate practice in relation to postmodernism and its legacies. Following these will be essays by architects situating their work in relation to the ideas posited by the thematic introduction, and the broader contexts in which it operates and proceeds. The issue will be completed by interviews with early career architects, reflecting on their work thus far, its influences, pressures and future directions.

SERIES: ARCHITECTURAL DESIGN

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Building Design

## Digital Sketching

### Computer-Aided Conceptual Design

JOHN BACUS

SERIES: DISRUPTIVE AEC  
TECHNOLOGIES

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Design, Drawing & Presentation



## ビジネス

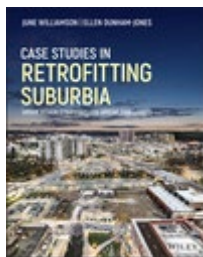
**Case Studies in Retrofitting Suburbia**

Urban Design Strategies for Urgent Challenges

JUNE WILLIAMSON &amp; ELLEN DUNHAM-JONES

**A brand-new collection of 32 case studies that further demonstrate the retrofitting of suburbia**

This amply-illustrated book, second in a series, documents how defunct shopping malls, parking lots, and the past century's other obsolete suburban development patterns are being retrofitted to address current urgent challenges they weren't designed for: improving public health, increasing resilience in the face of climate change, leveraging social capital for equity, supporting an aging society, competing for jobs, and disrupting automobile dependence.



*Case Studies in Retrofitting Suburbia: Urban Design Strategies for Urgent Challenges* provides summaries, data, and references on how these challenges manifest in suburbia and discussion of successful urban design strategies to address them in Part I. Part II documents how innovative design strategies are implemented in a range of northern American contexts and market conditions. From modest interventions with big ripple effects to ambitious do-overs, examples of redevelopment, reinhabitation, and regreening of changing suburban places from coast to coast are described in depth in 32 brand new case studies.

Full of replicable lessons and creative responses to ongoing problems and potentials with conventional suburban form, *Case Studies in Retrofitting Suburbia: Urban Design Strategies for Urgent Challenges* is an important book for students and professionals involved in urban design, architecture, landscape architecture, urban planning, development, civil engineering, public health, public policy, and governance. Most of all, it is intended as a useful guide for anyone who seeks to inspire revitalization, justice, and shared prosperity in places they know and care about.

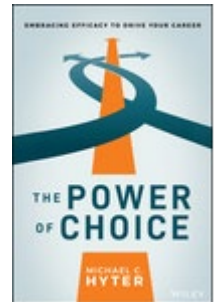
FEBRUARY 2021 272PP  
978-1-119-14917-0 CL \$65.00 (Japan)  
Planning

**The Power of Choice**

Embracing Efficacy to Drive Your Career

MICHAEL C. HYTER

**Straightforward advice for navigating the challenges facing professionals who are underrepresented in the leadership of today's organizations**



Michael Hyter is one of the nation's highest regarded executives of color, and a widely respected thought leader in the area of talent development and leadership succession. To get there, he worked hard and made his work count through Efficacy. In *The Power of Choice* he reveals the lessons he learned along the way--putting you on the fast track to career success.

This book provides answers to the questions you might face as you immerse yourself in an often confusing and challenging workplace culture. It is about how to take informed personal responsibility for your career. Inside, you'll find an open and frank discussion of how you can--and must, if you want to succeed!--make deliberate choices about who you are and how to represent yourself in your career. You'll learn how to open doors for yourself (rather than waiting for others to open them for you), choose what's important to you, and decide how you will achieve your goals.

- Learn how to choose greatness by embracing efficacy to make the most of your time and energy
- Take your career into your own hands with inspiration from others who have made it
- Discover how embracing personal responsibility can create the opportunities you've dreamed of
- Gain deep insights into your own mind and make the right decisions to get where you're going

Yes, for those of us who are underrepresented talent, there are tradeoffs to finding success in today's workplace culture. If you rise to the challenge, you stand a good chance of reaching your full potential--both professionally and personally.

FEBRUARY 2021 UnknownPP  
978-1-119-78092-2 CL \$26.00 (Japan)  
Personal Career Development

## Customer Data Platforms

Use People Data to Transform the Future of Marketing Engagement

MARTIN KIHN & CHRISTOPHER B. O'HARA

**Master the hottest technology around to drive marketing success**

Marketers are faced with a stark and challenging dilemma: customers demand deep personalization, but they are increasingly leery of offering the type of personal data required to make it happen. As a solution to this problem, Customer Data Platforms have come to the fore, offering companies a way to capture, unify, activate, and analyze customer data. CDPs are the hottest marketing technology around today, but are they worthy of the hype? *Customer Data Platforms* takes a deep dive into everything CDP so you can learn how to steer your firm toward the future of personalization.



Over the years, many of us have built byzantine "stacks" of various marketing and advertising technology in an attempt to deliver the fabled "right person, right message, right time" experience. This can lead to siloed systems, disconnected processes, and legacy technical debt. CDPs offer a way to simplify the stack and deliver a balanced and engaging customer experience. *Customer Data Platforms* breaks down the fundamentals, including how to:

- Understand the problems of managing customer data
- Understand what CDPs are and what they do (and don't do)
- Organize and harmonize customer data for use in marketing
- Build a safe, compliant first-party data asset that your brand can use as fuel
- Create a data-driven culture that puts customers at the center of everything you do
- Understand how to use AI and machine learning to drive the future of personalization

In this book, you'll discover how to build 1:1 engagement that scales at the speed of today's customers.

FEBRUARY 2021 240PP  
978-1-119-79011-2 CL \$25.00 (Japan)  
Business Technology

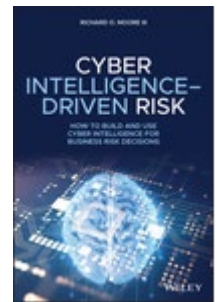
## Cyber Intelligence-Driven Risk

How to Build and Use Cyber Intelligence for Business Risk Decisions

RICHARD O. MOORE III

**Turn cyber intelligence into meaningful business decisions and reduce losses from cyber events**

*Cyber Intelligence-Driven Risk* provides a solution to one of the most pressing issues that executives and risk managers face: How can we weave information security into our business decisions to minimize *overall* business risk?



In today's complex digital landscape, business decisions and cyber event responses have implications for information security that high-level actors may be unable to foresee. What we need is a cybersecurity command center capable of delivering, not just data, but concise, meaningful interpretations that allow us to make informed decisions.

Building, buying, or outsourcing a CI-DR™ program is the answer. In his work with executives at leading financial organizations and with the U.S. military, author Richard O. Moore III has tested and proven this next-level approach to Intelligence and Risk. This book is a guide to:

- Building, buying, or outsourcing a cyber intelligence-driven risk program
- Understanding the functional capabilities needed to sustain the program
- Using cyber intelligence to support Enterprise Risk Management
- Reducing loss from cyber events by building new organizational capacities
- Supporting mergers and acquisitions with predictive analytics

Each function of a well-designed cyber intelligence-driven risk program can support informed business decisions in the era of increased complexity and emergent cyber threats.

FEBRUARY 2021 192PP  
978-1-119-67684-3 CL \$45.00 (Japan)  
Business Technology

## Supply Chain Management For Dummies

2nd Edition

DANIEL STANTON

**Increase your knowledge of supply chain management and leverage it properly for your business**



If you own or make decisions for a business, you need to master the critical concept of supply chain management. *Supply Chain Management For Dummies, 2nd Edition* guides you to an understanding of what a supply chain is and how to leverage this system effectively across your business, no matter its size or industry.

The book helps you learn about the areas of business that make up a supply chain, from procurement to operations to distribution. And it explains the importance of supporting functions like sales, information technology, and human resources. You'll be prepared to align the parts of this system to meet the needs of customers, suppliers, and shareholders. By viewing the company as a supply chain, you'll be able to make decisions based on how they will affect every part of the chain.

To help you fully understand supply chains, the author focuses on the Supply Chain Operations Reference (SCOR) model. This approach allows all types of professionals to handle their work demands.

- \* Use metrics to improve processes
- \* Evaluate business risks through analytics
- \* Choose the right software and automation processes
- \* Plan for your supply chain management certification and continuing education

A single business decision in one department can have unplanned effects in one or more areas, such as purchasing or operations. *Supply Chain Management For Dummies* helps you grasp the connections between business lines for wiser decision making and planning.

FEBRUARY 2021 368PP  
978-1-119-67701-7 PB \$29.99 (Japan)  
PROJECT MANAGEMENT

## Becoming a Master Manager

A Competing Values Approach, 7th Edition

ROBERT E. QUINN, ANN ARBOR, LYNDA S. ST. CLAIR, SUE R. FAERMAN, MICHAEL P. THOMPSON & MICHAEL R. MCGRATH

University of Michigan; Bryant University; SUNY at Albany; Brigham Young University; Charles Schwab & Co., Inc.

Integrating theory and empirical evidence, *Becoming a Master Manager* helps students and future managers master the dynamics and intricacies of the modern business environment. The text's unique "competing values framework" provides a deep and holistic understanding of what is required to effectively manage any type of organization. Readers learn to develop and apply critical managerial skills that encourage change, promote adaptability, build stability, maintain continuity, strengthen commitment and cohesion, and yield positive organizational results.

The seventh edition features new and revised content throughout, offering students a comprehensive and up-to-date presentation of critical management competencies and their underlying theoretical value intentions and real-life application. Throughout the text, classroom-tested exercises enable students to assess, analyze, practice, and apply the material while gaining insight into the paradoxes and contradictions that make the practice of management so complex.



FEBRUARY 2021 UnknownPP  
978-1-119-71096-7 PB \$78.99 (Japan)  
TRAINING & DEVELOPMENT

## The Communist Manifesto

The Political Classic

KARL MARX, FRIEDRICH ENGELS & SERIES EDITOR TOM BUTLER-BOWDON

Oxford, UK

*The Communist Manifesto* is one of the most important political texts in history. Its stirring and even poetic language helped it become a vital document in the spread of socialist ideas. Karl Marx & Friedrich Engels argued that exploitation and suffering will not end until the whole class structure, which ensures people are treated as profitable commodities, is destroyed. Marx's *Das Capital* provides the theory behind socialism, but it was *The Communist Manifesto* that sparked revolutions.

This collectible, hard-back edition of *The Communist Manifesto* includes an insightful introduction by series editor and self-help expert Tom Butler-Bowdon, and is an important addition to the bestselling Capstone Classics.

*The Communist Manifesto: The Political Classic* is a must-have for readers interested in political history, and will be of great value to everyone interested in the key questions of radical politics today.

SERIES: CAPSTONE CLASSICS

FEBRUARY 2021 320PP  
978-0-85708-876-5 CL \$13.99 (Japan)  
Business & Society

## The Virtual Sales Handbook

A Hands-on Approach to Engaging Customers

CHRISTIAN MILNER NYMAND & MANTE KVEDARE

The COVID-19 crisis has fundamentally changed the way B2B companies interact with customers, forcing companies to transition from face-to-face meetings to virtual customer interactions overnight. Even after the initial local and regional travel limitations are lifted, corporate travel is expected to be limited and it is uncertain that customers will be open to receive external partners on-site.

This presents an urgent need for companies to transform towards a more virtual customer engagement model -- where the first (and the most urgent) step is upskilling the commercial frontline by equipping them with the confidence, skillset and toolbox needed to effectively engage customers virtually -- and hence secure existing and future revenue streams.

*The Virtual Sales Handbook* will target Commercial Frontline people (customer-facing people such as sales representatives, commercial managers, customer relationship managers) and will have a very hands-on, concrete "how-to" approach -- so the reader can apply the learnings and concepts in their customer interactions immediately. We will equip the reader with the confidence, skillset and toolbox needed to effectively engage customers virtually -- making them more fit for how sales in the future will look like and hence drive their existing and future revenue streams.

FEBRUARY 2021 256PP  
978-1-119-77576-8 CL \$24.95 (Japan)  
Sales Management

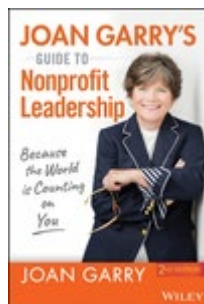
## Joan Garry's Guide to Nonprofit Leadership

Because the World Is Counting on You

Revised Edition

JOAN GARRY

As a champion for nonprofit leaders hell bent on maximizing the impact of the nonprofit sector, Joan wrote this second edition *Joan Garry's Guide to Nonprofit Leadership*, during COVID lockdown. She knew that board and staff leaders would need a guide come January 2021 to navigate a world where old rules no longer apply and a world that needs them now more than ever. A very different time demanded a very different book. Certainly not different in style, Joan's new book is funny, inspiring and filled with practical advice. Her voice is accessible and you'll feel you are getting a pep talk from your biggest fan.



Drawing on her own experiences as a nonprofit E.D., a board leader, a volunteer and a donor Joan shares her stories and introduces you to a host of new characters she has met since 2017. Board and staff leaders will see themselves in these folks - recognizing the mistakes and celebrating the successes.

In this new book, Joan will help you realize that "nonprofits are messy" - too many cooks, too few resources and an abundance of passion and show you the way to find joy and privilege in that "mess."

In this newest book Joan will teach you how to

- Market board service to identify ideal ambassadors and build a strong an effective board
- Develop a true partnership between the board chair and the executive director
- Maximize the superpowers of small budgets
- Build a culture of storytelling in your organization (the key to fundraising!)
- Anticipate crises and navigate them - step by step
- The keys to a fundraising program that puts you on the path to sustainability

FEBRUARY 2021 UnknownPP  
978-1-119-73048-4 PB \$22.00 (Japan)  
Non-Profit Organizations / Management Leadership

## Joint Ventures Involving Tax-Exempt Organizations

2020 Cumulative Supplement

4th Edition

MICHAEL I. SANDERS, WASHINGTON, DC,  
UNITED STATES



FEBRUARY 2021 UnknownPP  
978-1-119-76615-5 PB \$150.00 (Japan)  
Non-Profit Organizations / Management Leadership

## Crisis Capital

How to Bring Your Startup Through a Market Downturn

ARUNKUMAR KRISHNAKUMAR & MAXSON TEE JIA YING

Even bad startups get funded in a market boom. However, when a crisis hits, funds dry up, and very few startups survive a market downturn. Through a series of interviews with VCs, CEOs, Academia, and a set of relevant case studies, this book provides a framework that entrepreneurs need to be aware of to navigate through a crisis, embrace it, identify opportunities, get funded and emerge as winners.

Coverage includes:

- The money pyramid -- understanding financing options during a crisis
- Fundraising psychology -- it is not just about a pitch deck or the business proposition. It is much more than that. It is about understanding the investor.
- Operational Efficiencies -- During a crisis, it is critical to cut down burn rates and be extremely efficient operationally. It is also essential to hold on to your top people at the time of a crisis, so that you emerge stronger when the downturn is over.
- Embracing the Crisis - tapping into the opportunities that a crisis will bring to the table.

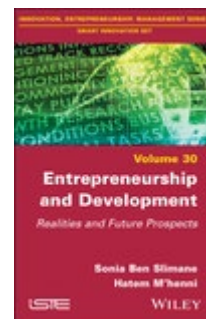
FEBRUARY 2021 288PP  
978-1-119-75440-4 CL \$24.95 (Japan)  
Small Business & Entrepreneurship

## Entrepreneurship and Development

Realities and Future Prospects

SONIA BEN SLIMANE & HATEM M'HENNI

FEBRUARY 2021 176PP  
978-1-78630-394-3 CL \$130.00 (Japan)  
Small Business & Entrepreneurship



## 土木工学

**The Dogfish Head Book****25 Years of Off-Centered Adventures**

SAM CALAGIONE, LEWES, MARIAH CALAGIONE & ANDREW C. GREELEY

**Celebrate the 25th anniversary of the Dogfish Head Craft Brewery with this rich, adventurous history**

*The Dogfish Head Book: 25 Years of Off-Centered Adventures* celebrates a quarter-century in business for the Dogfish Head Craft Brewery. Over the past 25 years, the Dogfish Head founders have learned timeless lessons about working and living. This book shares their hard-earned insights and helps readers navigate life's adventures.



Through its colorful design and photos, *The Dogfish Head Book* brings the brewing business to life. Inside, you'll find wisdom and entertainment in the form of memorabilia, photos, and the Dogfish Head Rules of Thumb. Food and beer lovers, entrepreneurs, and business professionals alike will enjoy this unique book, which also makes a perfect gift for any Dogfish Head fan or craft beer enthusiast.

Since its start in 1995, Dogfish Head has grown exponentially to become one of the most celebrated craft breweries in the United States. This book lets you tour the history of the iconic brand without leaving home.

- Recounts the rich history of the Dogfish Head Brewery and Distillery
- Explores the founders' unique and successful business philosophy
- Reveals new details about the future of this fast-growing brewery
- Celebrates the 25th anniversary of Dogfish Head

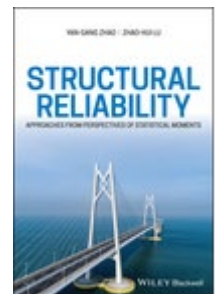
Paired nicely with any Dogfish Head beer, *The Dogfish Head Book: 25 Years of Off-Centered Adventures* is a living guide to business and life--the Dogfish way!

FEBRUARY 2021 UnknownPP  
978-1-119-64957-1 CL \$35.00 (Japan)  
Business & Management Special Topics

**Structural Reliability****Approaches from Perspectives of Statistical Moments**

YAN-GANG ZHAO & ZHAO-HUI LU

The aim of this book is to deliver a unified presentation of the theory and techniques with the emphases on the applications of the moment information of random variables for structural reliability. The contents of the book will be useful for post-graduate students, researchers and engineers in the field of civil, mechanical, aerospace and aeronautical and ship engineering, and so forth.



Structural reliability deals with the safety evaluation and risk assessment of engineering structures. The structures include the buildings, bridges, aircrafts, etc., refer to those bodies or systems consisting of some materials in a certain way and having the function of bearing loads and actions. One of the principal aims of structural design is the assurance of structural performance within the constraint of economy. The reliability of a structure can therefore be defined as its ability to fulfill its design purpose for a specified reference period. Since the deterministic approach failed to provide a quantitative measure of safety, probabilistic measure of safety, i.e., the structural reliability theory, has to be used.

The use of the first few moments of random variables and the performance function, in original form or in its first/second order approximation, form the basic content of the book. The methods, being easy to be implemented, can avoid the shortcomings of FORM, such as the design points, derivative-based iterative computation, and thus are expected to be conveniently applied to structural reliability analysis and reliability based design.

FEBRUARY 2021 420PP  
978-1-119-62081-5 CL \$125.00 (Japan)  
Structures

## Building Procurement

3rd Edition

ROY MORLEDGE, ADRIAN J. SMITH & SAMUEL Y. APPIAH

Professor of Construction Procurement and Director of Postgraduate Studies for the Faculty of Construction & the Environment; College of Estate Management

The third edition is updated to reflect the latest advances that have emerged in both research and practice since the last edition to continue to provide strong coverage of the construction procurement process. It will include new materials on the development of procurement strategies, project team selection and developments in procurement approaches. The new edition will also expand on the discussion of construction procurement in Europe, the Middle East and China but now also explore projects in Africa.

FEBRUARY 2021 384PP  
978-1-119-60949-0 PB \$75.00 (Japan)  
CONSTRUCTION MANAGEMENT

## Fundamentals of Construction Claims

A 10-Step Guide for General Contractors,  
Subcontractors, Architects and Engineers

WILLIAM J. MCCONNELL

**Demystify complicated construction claims with this indispensable guide** Given how common complex claims have become in the modern built environment, *Fundamentals of Construction Claims: A 10-Step Guide for General Contractors, Subcontractors, Architects and Engineers* is an absolutely critical addition to the library of any construction professional. Written by William J. McConnell, PE, JD, MSCE, CDT, a celebrated, lawyer, author, engineer, and expert witness, *Fundamentals of Construction Claims* sets out clear and concrete strategies for developing a construction claim from beginning to end. The author's straightforward 10-Step method helps readers avoid costly dispute resolution fees by:

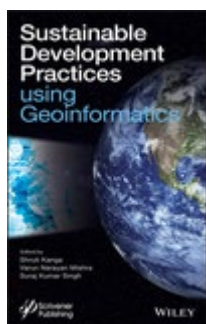
- Explaining entitlement requirements for various types of claims, including differing site conditions, added scope, and weather delays
  - Offering procedures for calculating delay impacts through forensic scheduling analysis
  - Defining, in detail, four simple ways to prove damages
- Throughout, relevant case studies are used to illuminate the principles found within and bring life to the concepts the author introduces.

FEBRUARY 2021 UnknownPP  
978-1-119-67990-5 CL \$120.00 (Japan)  
Construction Management

## Sustainable Development Practices Using Geoinformatics

EDITOR SHRUTI KANGA, EDITOR VARUN NARAYAN MISHRA &  
EDITOR SURAJ KUMAR SINGH

Over the last few years, the stress on natural resources has increased enormously due to anthropogenic activities especially through urbanization and industrialization processes. Sustainable development while protecting the Earth's environment involves the best possible management of natural resources, subject to the availability of reliable, accurate and timely information on regional and global scales. There is an increasing demand for an interdisciplinary approach and sound knowledge on each specific resource, as well as on the ecological and socio-economic perspectives related to their use.



Geoinformatics, including Remote Sensing (RS), Geographical Information System (GIS), and Global Positioning System (GPS), is a groundbreaking and advanced technology for acquiring information required for natural resource management and addressing the concerns related to sustainable development. It offers a powerful and proficient tool for mapping, monitoring, modeling, and management of natural resources. There is, however, a lack of studies in understanding the core science and research elements of geoinformatics, as well as larger issues of scaling to use geoinformatics in sustainable development and management practices of natural resources. There is also a fundamental gap between the theoretical concepts and the operational use of these advance techniques.

*"Sustainable Development Practices Using Geoinformatics"* written by well-known academicians, experts and researchers provides answers to these problems, offering the engineer, scientist, or student the most thorough, comprehensive, and practical coverage of this subject available today, a must-have for any library.

FEBRUARY 2021 352PP  
978-1-119-68711-5 CL \$225.00 (Japan)  
Construction: Sustainability

## Brenner Base Tunnel

### Planning and Construction

KONRAD BERGMEISTER

Wien

The book covers the design and construction of the longest tunnel in the world. It explains geology and geotechnics, planning solutions and the construction process. Costs, opportunities, risks and time planning for the realization of the Brenner Base Tunnel are highlighted.

JULY 2021 400PP  
978-3-433-03299-2 CL \$88.85 (Japan)  
Tunnel Construction

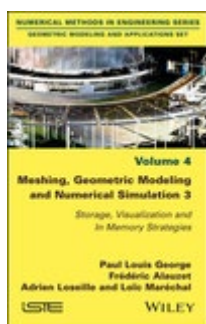
## Meshing, Geometric Modeling and Numerical Simulation 3

Storage, Visualization and In Memory Processing Strategies

PAUL LOUIS GEORGE, FRÉDÉRIC  
ALAUZET, ADRIEN LOSEILLE & LOÏC  
MARÉCHAL

INRIA, France

FEBRUARY 2021 352PP  
978-1-78630-609-8 CL \$160.00 (Japan)  
Data Processing



## 化学工学

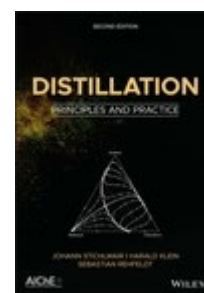
## Distillation

Principles and Practice, 2nd Edition

JOHANN G. STICHLMAIR, HARALD KLEIN & SEBASTIAN  
REHFELDT

Technische University Munchen, Germany; The University of  
Texas at Austin, Texas

**Distillation Principles and Practice Second Edition** covers all the main aspects of distillation including the thermodynamics of vapor/liquid equilibrium, the principles of distillation, the synthesis of distillation processes, the design of the equipment, and the control of process operation.



Most textbooks deal in detail with the principles and laws of distilling binary mixtures. When it comes to multi-component mixtures, they refer to computer software nowadays available. One of the special features of the second edition is a clear and easy understandable presentation of the principles and laws of ternary distillation. The right understanding of ternary distillation is the link to a better understanding of multi-component distillation. Ternary distillation is the basis for a conceptual process design, for separating azeotropic mixtures by using an entrainer, and for reactive distillation, which is a rapidly developing field of distillation.

Another special feature of the book is the design of distillation equipment, i.e. tray columns and packed columns. In practice, empirical know-how is preferably used in many companies, often in form of empirical equations, which are not even dimensionally correct. The objective of the proposed book is the derivation of the relevant equations for column design based on first principles. The field of column design is permanently developing with respect to the type of equipment used and the know-how of two-phase flow and interfacial mass transfer.

FEBRUARY 2021 688PP  
978-1-119-41466-7 CL \$195.00 (Japan)  
PROCESS ENGINEERING

## 化学

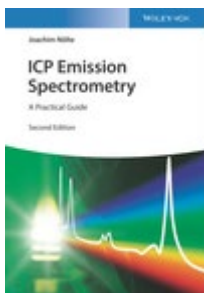
**ICP Emission Spectrometry**

A Practical Guide, 2nd Edition

JOACHIM NÖLTE

AnalytikSupport, Owingen

All the essentials needed for successful analysis with ICP emission spectrometry. Using a clear and comprehensive style, the author introduces practitioners to ICP emission spectrometry, covering the basics as well as information on the instrumentation, instructions on how to develop methods and numerous concrete examples. The layout is extremely reader-friendly and well structured, with the author highlighting typical problems and providing usefully practical advice on how to solve these. This second edition contains the latest developments in the field, including instrumentation as well as applications.



FEBRUARY 2021 262PP  
978-3-527-34657-8 PB \$150.00 (Japan)  
ANALYTICAL CHEMISTRY

**Digitalization in the Laboratory**

KLEMEN ZUPANCIC &amp; TEA PAVLEK

This practical book in instrumental analytics conveys an overview of important methods of analysis and enables the reader to realistically learn the (principally technology-independent) working techniques the analytical chemist uses to develop methods and conduct validation. What is to be conveyed to the student is the fact that analysts in their capacity as problem-solvers perform services for certain groups of customers, i.e., the solution to the problem should in any case be processed in such a way as to be "fit for purpose".

The book presents sixteen experiments in analytical chemistry laboratory courses. They consist of the classical curriculum used at universities and universities of applied sciences with chromatographic procedures, atom spectrometric methods, sensors and special methods (e.g. field flow fractionation, flow injection analysis and N-determination according to Kjeldahl).

The carefully chosen combination of theoretical description of the methods of analysis and the detailed instructions given are what characterizes this book. The instructions to the experiments are so detailed that the measurements can, for the most part, be taken without the help of additional literature.

The book is complemented with tips for effective literature and database research on the topics of organization and the practical workflow of experiments in analytical laboratory, on the topic of the use of laboratory logs as well as on writing technical reports and grading them (Evaluation Guidelines for Laboratory Experiments).

A small introduction to Quality Management, a brief glance at the history of analytical chemistry as well as a detailed appendix on the topic of safety in analytical laboratories and a short introduction to the new system of grading and marking chemicals using the "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)", round off this book.

This book is therefore an indispensable workbook for students, internship assistants and lecturers (in the area of chemistry, biotechnology, food technology and environmental technology) in the basic training program of analytics at universities and universities of applied sciences.

FEBRUARY 2021 300PP  
978-3-527-34719-3 CL \$165.00 (Japan)  
Lab Automation & Miniaturization

## Analytical Techniques in Forensic Science

EDITOR ROSALIND WOLSTENHOLME, EDITOR SUE JICKELLS &  
EDITOR SHARI FORBES

Sheffield Hallam University; University of East Anglia;  
University of Quebec Trois Rivières

**An in-depth text that explores the interface between analytical chemistry and trace evidence**

*Analytical Techniques in Forensic Science* is a comprehensive guide written in accessible terms that examines the interface between analytical chemistry and trace evidence in forensic science. With contributions from noted experts on the topic, the text features a detailed introduction analysis in forensic science and then subsequent chapters explore the laboratory techniques grouped by shared operating principles. For each technique, the authors incorporate specific theory, application to forensic analytics, interpretation, forensic specific developments, and illustrative case studies.

Forensic techniques covered include UV-Vis and vibrational spectroscopy, mass spectrometry and gas and liquid chromatography. The applications reviewed include evidence types such as fibers, paint, drugs and explosives. The authors highlight data collection, subsequent analysis, what information has been obtained and what this means in the context of a case. The text shows how analytical chemistry and trace evidence can problem solve the nature of much of forensic analysis. This important text:

- Puts the focus on trace evidence and analytical science
- Contains case studies that illustrate theory in practice
- Includes contributions from experts on the topics of instrumentation, theory, and case examples
- Explores novel and future applications for analytical techniques

Written for undergraduate and graduate students in forensic chemistry and forensic practitioners and researchers, *Analytical Techniques in Forensic Science* offers a text that bridges the gap between introductory textbooks and professional level literature.

FEBRUARY 2021 464PP  
978-1-119-97828-2 CL \$135.00 (Japan)  
Forensics



## Practical Forensic Microscopy

A Laboratory Manual, 2nd Edition

BARBARA WHEELER

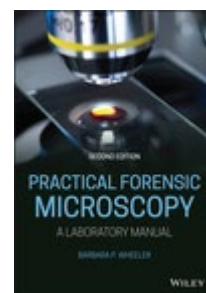
Eastern Kentucky University

**An applied approach to teaching forensic microscopy in educational settings, featuring new experiments and an up-to-date overview of the field**

*Practical Forensic Microscopy: A Laboratory Manual, 2<sup>nd</sup> Edition*, is a unique resource that brings the microscopic procedures used by real-world forensic investigators to the college laboratory, providing hands-on knowledge of the microscopes and microscopic techniques used in the field. Presenting a balanced, skills-based approach to the subject, this student-friendly lab manual contains dozens of experiments designed to cover the various microscopic evidence disciplines, including examinations of fingerprints, firearm, toolmark, shoeprint and tire impressions, gunshots, fibers, soil, glass breakage, drugs, semen, and human hair.

The second edition includes revised and updated experiments that reflect current technologies and techniques used in forensic science, including new experiments examining plastic film, food condiments, feathers, building materials, explosive residue, cigarette butts and more. Each chapter includes a list of simple objectives for the experiment, a general overview of the topic, further readings, and selected references. The manual contains worksheets and templates for students to use when compiling analytical results. The concluding chapter features an innovative case scenario that requires students to analyze items of evidence, complete a laboratory report, reach a conclusion, and present their findings.

The book is a must-have companion for any college-level forensic science course with a laboratory component, and is a useful supplement for related courses that cover microscopy and the principles of forensic lab procedures.



FEBRUARY 2021 450PP  
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FORENSICS

## Halogen Bonding in Solution

STEFAN HUBER

This unique book highlights recent developments in halogen bonding in solution, including applications in organic synthesis, biochemistry, and electrochemistry.

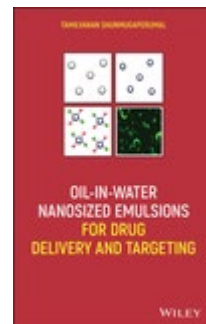
FEBRUARY 2021 392PP  
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Catalysis



## Oil-in-Water Nanosized Emulsions for Drug Delivery and Targeting

TAMILVANAN SHUNMUGAPERUMAL

This book combines emulsion knowledge into a single, comprehensive volume, ideal for professionals and students involved in the areas of pharmaceutical science who are looking to learn about this emergent research concept.



- Compiles the step-by-step investigations made concerning the potential of nanosized emulsions on both drug delivery and drug targeting areas by different group of scientists in various laboratories across the world
- Inverts the common nano-emulsions coverage trend of focusing on focused on the particulate system itself, instead exploring the way to turn nanosized emulsions as biomedical tool, as well as, treating the in vitro and in vivo aspects after administration
- Provides an overview of the current state-of-the art regarding the development of tocol emulsions, emulsion adjuvants in immunization research, oxygen-carrying emulsions (called as fluorocarbon emulsion) and emulsions for delivering drugs to nasal and topical (ocular and transdermal) routes

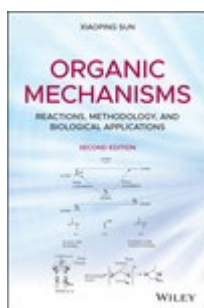
FEBRUARY 2021 464PP  
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Pharmaceutical & Medicinal Chemistry

## Organic Mechanisms

Reactions, Methodology, and Biological Applications, 2nd Edition

XIAOPING SUN

This book helps readers move from fundamental organic chemistry principles to a deeper understanding of reaction mechanisms. It directly relates sophisticated mechanistic theories to synthetic and biological applications and is a practical, student-friendly textbook.



Presents material in a student-friendly way by beginning each chapter with a brief review of basic organic chemistry, followed by in-depth discussion of certain mechanisms. Includes end-of-chapter questions in the book and offers an online solutions manual along with PowerPoint lecture slides for adopting instructors. Adds more examples of biological applications appealing to the fundamental organic mechanisms.

- Presents material in a student-friendly way by beginning each chapter with a brief review of basic organic chemistry, followed by in-depth discussion of certain mechanisms
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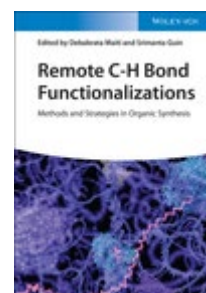
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ORGANIC CHEMISTRY

## Remote C-H Bond Functionalizations

Methods and Strategies in Organic Synthesis

EDITOR DEBABRATA MAITI & EDITOR SRIMANTA GUIN

Presenting a systematic compilation of distal C-H functionalizations which belongs to the most important topics in present day organic synthesis. Essential for every synthetic chemist.

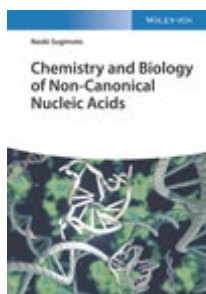


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Methods - Synthesis & Techniques

## Chemistry and Biology of Non-canonical Nucleic Acids

NAOKI SUGIMOTO

Non-canonical nucleic acid becomes more and more important in the regulation of life process. This book systematically introduces the chemistry and biology of non-canonical nucleic acids. It will not only show the respect to researchers who dedicated to this field, but also offers great opportunities for the young generation to expand their horizon.



FEBRUARY 2021 280PP  
978-3-527-34521-2 CL \$175.00 (Japan)  
Biochemistry (Chemical Biology)

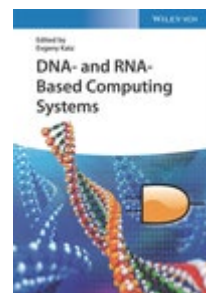
## DNA- and RNA-Based Computing Systems

EDITOR EVGENY KATZ

Clarkson University, Potsdam, N.Y., USA

**Discover the science of biocomputing with this comprehensive and forward-looking new resource**

*DNA- and RNA-Based Computing Systems* delivers an authoritative overview of DNA- and RNA-based biocomputing systems that touches on cutting-edge advancements in computer science, biotechnology, nanotechnology, and materials science. Accomplished researcher, academic, and author Evgeny Katz offers readers an examination of the intersection of computational, chemical, materials, and engineering aspects of biomolecular information processing.



A perfect companion to the recently published *Enzyme-Based Computing* by the same editor, the book is an authoritative reference for those who hope to better understand DNA- and RNA-based logic gates, multi-component logic networks, combinatorial calculators, and related computational systems that have recently been developed for use in biocomputing devices.

*DNA- and RNA-Based Computing Systems* summarizes the latest research efforts in this rapidly evolving field and points to possible future research foci.

Perfect for biochemists, biotechnologists, materials scientists, and bioengineers, *DNA- and RNA-Based Computing Systems* also belongs on the bookshelves of computer technologists and electrical engineers who seek to improve their understanding of biomolecular information processing. Senior undergraduate students and graduate students in biochemistry, materials science, and computer science will also benefit from this book.

FEBRUARY 2021 450PP  
978-3-527-34720-9 CL \$203.34 (Japan)  
Biomolecules (DNA, RNA, Peptides, etc.)

## コンピューティング

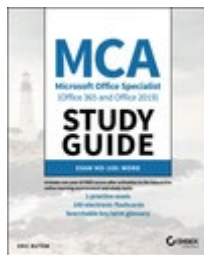
## MCA Microsoft Office Specialist Study Guide

Word Associate Exam MO-100

ERIC BUTOW

**Learn the realities of being a Microsoft Office Specialist and efficiently prepare for the Word Associate MO-100 Exam with a single, comprehensive study guide**

*MCA Microsoft Office Specialist Study Guide: Word Associate Exam MO-100* comprehensively prepares you for the MO-100 Exam. Accomplished and experienced author Eric Butow provides readers with a one-stop resource for learning the job responsibilities of a Microsoft Office Specialist and succeeding on the MO-100 Exam.



The study guide is written in a straightforward and practical style which, when combined with the companion online Sybex resources, allows you to learn efficiently and effectively. The online resources include hundreds of practice questions, flashcards, and a glossary of key terms. In addition to preparing you for the realities of the Microsoft Office Specialist job role, this study guide covers all the subjects necessary to do well on the certifying exam, including:

- Managing documents
- Inserting and formatting text, paragraphs, and sections
- Managing tables and lists
- Creating and managing references
- Inserting and formatting graphics
- Managing document collaboration

Perfect for anyone seeking to begin a new career as a Microsoft Office Specialist, or simply wondering what the job entails, the Study Guide also belongs on the bookshelf of currently practicing professionals who want to brush up on the fundamentals of their role.

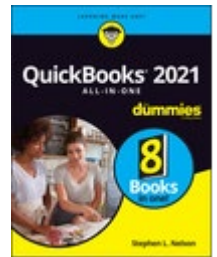
FEBRUARY 2021 240PP  
978-1-119-71826-0 PB \$25.00 (Japan)  
Office Productivity - Microsoft (General & Office suite)

## QuickBooks 2021 All-in-One For Dummies

STEPHEN L. NELSON

**Do the numbers in double-quick time with this trusted QuickBooks bestseller!**

Running your own business can be cool, but some of the financial side--accounting and payroll, for instance--is not always so cool! That's why millions of small business owners around the world bank on QuickBooks to easily manage accounting and financial tasks and save big-time on shelling out for an expensive professional.



*QuickBooks 2021 All-in-One For Dummies* contains eight information-rich mini-books that account for all your financial line-item asks, showing you step-by-step how to plan your perfect budget, simplify tax returns, manage inventory, create invoices, track costs, generate reports, and accurately check off every other accounting and financial-management task that comes across your desk!

- Get the most out of QuickBooks 2021
- Sharpen up on the basics with an accounting primer
- Craft a world-class business plan
- Process taxes and payroll in double-quick time

Written by expert CPA and small business advisor Stephen L. Nelson, *QuickBooks All-in-One 2021 For Dummies* is the best-selling blue-chip go-to that will save you time and money--and will allow you to enjoy the fruits of your labors!

FEBRUARY 2021 624PP  
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OTHER SOFTWARE (NON-MICROSOFT)

## PowerShell 7 for IT Pros

A Guide to Using PowerShell 7 to Manage Windows Systems

THOMAS LEE

**Take advantage of everything Microsoft's new PowerShell 7 has to offer**

*PowerShell 7 for IT Pros* is your guide to using PowerShell 7, the open source, cross-platform version of Windows PowerShell. Windows IT professionals can begin setting up automation in PowerShell 7, which features many improvements over the early version of PowerShell Core and Windows PowerShell. PowerShell 7 users can enjoy the high level of compatibility with the Windows PowerShell modules they rely on today. This book shows IT professionals--especially Windows administrators and developers--how to use PowerShell7 to engage in their most important tasks, such as managing networking, using AD/DNS/DHCP, leveraging Azure, and more.



To make it easy to learn everything PowerShell 7 has to offer, this book includes robust examples, each containing sample code so readers can follow along. Scripts are based on PowerShell 7 running on Windows 10 19H1 or later and Windows Server 2019.

- \* Learn to navigate the PowerShell 7 administrative environment
  - \* Use PowerShell 7 to automate networking, Active Directory, Windows storage, shared data, and more
  - \* Run Windows Update, IIS, Hyper-V, and WMI and CIM cmdlets within PowerShell 7
  - \* Understand how to handle reporting in the new PowerShell 7 environment
- PowerShell 7 for IT Pros* provides exclusive coverage of using PowerShell with both cloud-based systems and virtualized environments (Hyper V and Azure). Written by PowerShell veteran Thomas Lee, this is the only book you'll need to get started with PowerShell 7.

FEBRUARY 2021 UnknownPP  
978-1-119-64472-9 PB \$50.00 (Japan)  
Operating Systems / Microsoft Windows

## iPhone For Dummies

Updated for iOS 14 and iPhone 12

EDWARD C. BAIG & BOB LEVITUS

**The latest edition -- updated to cover iOS 14 and iPhone 12**

Nothing seems to change faster than an iPhone. Just when you think you know your way around the device, a new update arrives and you have to learn everything all over again. This fully revised edition of *iPhone For Dummies* arrives just in time to keep you up to date on iOS 14, the version of the iOS operating system released in late 2020, as well as all the updated features of iPhone 12. But don't worry if you're sticking with your current iPhone or buying an older model. This book offers help on using any iPhone that runs iOS 14, all the way back to iPhone 6.

Written by two longtime Apple fans and experts, this revised guide covers the essentials you'll need to know about the industry-leading device and its slick iOS operating system, kicking off with set-up--navigating settings, hooking up to wifi, sharing audio and video--and then gearing you up to warp speed with the many incredible ways this smartphone's tools and apps can bring a joyful extra dimension to your life.

- Explore the basics of iOS 14
- Enhance your interests with apps
- Get artsy with photos, video, and more
- Troubleshoot common problems
- Learn what makes the iPhone 12 different than the 11, X, SE, or older models

Whether you're just getting started with a new phone or want to get even more from your current version, *iPhone For Dummies* puts the power right at your fingertips!

FEBRUARY 2021 400PP  
978-1-119-73002-6 PB \$29.99 (Japan)  
COMPUTER HARDWARE / MACINTOSH

## iPhone For Seniors For Dummies

Updated for iOS 14 and iPhone 12

DWIGHT SPIVEY, MOBILE

### Includes coverage of iPhones 12, 11, X, SE, 8, 7, and 6!

When you're looking for the most up-to-date information on your iPhone, look no further than this edition of *iPhone For Seniors For Dummies*. It's fully updated to cover iOS 14, the software released in Fall of 2020 that runs all iPhones dating back to the iPhone 6. It doesn't matter if you have a brand new iPhone 12 or are sticking with the iPhone you've had for a few years. This book will help you navigate your device.

Written especially for iPhone owners who don't need to know every detail of how their phone works, *iPhone For Seniors For Dummies* sticks to clear, friendly, step-by-step information on the essentials you'll use every day. It covers the basics of messaging with friends and family, using your iPhone as a web browser, watching television shows or movies, and taking and sharing photos and videos.

- Get to know which iPhone you own
- Upgrade to iOS 14
- Add contacts to your Favorites list
- Connect your iPhone to wifi
- Track your well-being with the Health app
- Fix common problems when they occur

When you're ready to build your skills and become the go-to iPhone guru for your friends, *iPhone For Seniors For Dummies* offers the insight you need to increase your know-how.

FEBRUARY 2021 448PP  
978-1-119-73004-0 PB \$29.99 (Japan)  
COMPUTER HARDWARE / MACINTOSH

## iPhone Portable Genius

6th Edition

PAUL MCFEDRIES, TORONTO, ONTARIO, CANADA

*iPhone Portable Genius, 6th Ed.* contains practical advice in a concise, fast-paced guide perfect for novice and experienced users. You'll learn how to access and download books, apps, music, and video content as well as send photos and e-mails, edit movies, sync with Apple devices and services, and effectively use the current OS. From set up to utilization, this guide will offer valuable information in clear, concise language including how to:

- \* Learn the features and capabilities of iOS
  - \* Master the basic functions of your iPhone and customize its settings
  - \* Ensure you are getting optimal performance from your smartphone
  - \* Understand how to find the best apps and services to fit your personal and business needs
- Consumers already know that iPhone and Apple products simply work, but with *iPhone Portable Genius* you will learn how to make it work for you in a short amount of time at a great price.



SERIES: PORTABLE GENIUS

FEBRUARY 2021 UnknownPP  
978-1-119-76362-8 PB \$19.99 (Japan)  
COMPUTER HARDWARE / MACINTOSH

## Canon EOS Rebel T8i/850D For Dummies

JULIE ADAIR KING, WEST PALM BEACH  
Indianapolis, Indiana

### Get the photos of your dreams with your Canon dSLR

Photographers who desire full control over all aspects of their images turn to digital SLR cameras to fill their needs. The Canon EOS Rebel T8i/850D offers that level of control in a camera body designed to appeal to beginning and novice photographers. Add this book to that camera and you have the recipe for taking amazing photos. Author Julie Adair King shares her years of photography wisdom as she leads you on an exploration of camera controls, explains what each setting controls, and explains how to put them all together to get the shots every photographer wants in their portfolio.



#### Inside...

- \* Tour the camera's controls
- \* Experiment with settings
- \* Take shots in automatic modes
- \* Control exposure settings
- \* Adjust for focus and depth of field
- \* Enhance image color
- \* Capture better portraits and action shots

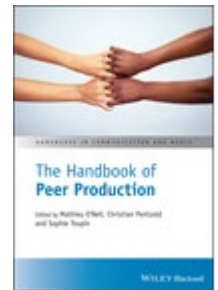
FEBRUARY 2021 416PP  
978-1-119-71621-1 PB \$34.99 (Japan)  
Digital Cameras & Photography

## The Handbook of Peer Production

EDITOR MATHIEU O'NEIL, EDITOR CHRISTIAN PENTZOLD &  
EDITOR SOPHIE TOUPIN

### The definitive reference work with comprehensive analysis and review of peer production

Peer production is no longer the sole domain of small groups of technical or academic elites. The internet has enabled millions of people to collectively produce, revise, and distribute everything from computer operating systems and applications to encyclopedia articles and film and television databases. Today, peer production has branched out to include wireless networks, online currencies, biohacking, and peer-to-peer urbanism, amongst others. *The Handbook of Peer Production* outlines central concepts, examines current and emerging areas of application, and analyzes the forms and principles of cooperation that continue to impact multiple areas of production and sociality.



Featuring contributions from an international team of experts in the field, this landmark work maps the origins and manifestations of peer production, discusses the factors and conditions that are enabling, advancing, and co-opting peer production, and considers its current impact and potential consequences for the social order. Detailed chapters address the governance, political economy, and cultures of peer production, user motivations, social rules and norms, the role of peer production in social change and activism, and much more.

*The Handbook of Peer Production* is an indispensable resource for students, instructors, researchers, and professionals working in fields including communication studies, science and technology studies, sociology, and management studies, as well as those interested in the network information economy, the public domain, and new forms of organization and networking.

SERIES: HANDBOOKS IN COMMUNICATION AND MEDIA

FEBRUARY 2021 480PP  
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General Communication & Media Studies

## Micro Grid Technologies

C. SHARMEELA, P. SIVARAMAN, P. SANJEEVIKUMAR & JENS  
BO HOLM-NIELSEN

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978-1-119-71079-0 CL \$225.00 (Japan)  
Client/Server Technologies

## Security Engineering

A Guide to Building Dependable Distributed  
Systems, 3rd Edition

ROSS ANDERSON

**Now that there's software in everything, how can you make anything secure? Understand how to engineer dependable systems with this newly updated classic**



*In Security Engineering: A Guide to Building Dependable Distributed Systems, Third Edition* Cambridge

University professor Ross Anderson updates his classic textbook and teaches readers how to design, implement, and test systems to withstand both error and attack.

This book became a best-seller in 2001 and helped establish the discipline of security engineering. By the second edition in 2008, underground dark markets had let the bad guys specialize and scale up; attacks were increasingly on users rather than on technology. The book repeated its success by showing how security engineers can focus on usability.

Now the third edition brings it up to date for 2020. As people now go online from phones more than laptops, most servers are in the cloud, online advertising drives the Internet and social networks have taken over much human interaction, many patterns of crime and abuse are the same, but the methods have evolved.

The third edition of *Security Engineering* ends with a grand challenge: sustainable security. As we build ever more software and connectivity into safety-critical durable goods like cars and medical devices, how do we design systems we can maintain and defend for decades? Or will everything in the world need monthly software upgrades, and become unsafe once they stop?

FEBRUARY 2021 1008PP  
978-1-119-64278-7 CL \$70.00 (Japan)  
NETWORKING / SECURITY

## Machine Learning for Time Series Forecasting with Python

FRANCESCA LAZZERI

**Learn how to apply the principles of machine learning to time series modeling with this indispensable resource**

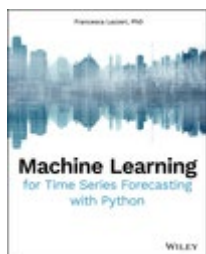
*Machine Learning for Time Series Forecasting with Python* is an incisive and straightforward examination of one of the most crucial elements of decision-making in finance, marketing, education, and healthcare: time series modeling.

Despite the centrality of time series forecasting, few business analysts are familiar with the power or utility of applying machine learning to time series modeling. Author Francesca Lazzeri, a distinguished machine learning scientist and economist, corrects that deficiency by providing readers with comprehensive and approachable explanation and treatment of the application of machine learning to time series forecasting.

Written for readers who have little to no experience in time series forecasting or machine learning, the book comprehensively covers all the topics necessary to:

- Understand time series forecasting concepts, such as stationarity, horizon, trend, and seasonality
- Prepare time series data for modeling
- Evaluate time series forecasting models' performance and accuracy
- Understand when to use neural networks instead of traditional time series models in time series forecasting

*Machine Learning for Time Series Forecasting with Python* is full real-world examples, resources and concrete strategies to help readers explore and transform data and develop usable, practical time series forecasts.



## Reports, Dashboards and Apps Using Microsoft Power Platform

SIVAKUMAR HARINATH, BOTHELL

**Teaches Excel, Tableau, and Qlikview users how to get the most insight and analysis from Microsoft's Power Platform suite for data analysis and visualization**

Microsoft Power Platform enables users to visualize data and share insights throughout an entire organization. Able to connect to any source on-premises or in the cloud, this powerful business analytics solution is rated as a leader in Gartner's Business Intelligence Magic Quadrant--ranking ahead of Tableau and Qlik. *Reports, Dashboards and Apps Using Microsoft Power Platform* helps readers understand the Power Platform suite, adopt and adapt the products based on their business needs, and transform how their organizations gain insights about business process optimization.

Written by members of the Microsoft team that built Power Platform, this authoritative book instructs readers on the effective, hands-on use of these technologies. Excel users seeking to upgrade for better analysis and visualization and Tableau or Qlikview users looking to integrate with Power Platform more easily will find the information invaluable. This book enables readers to:

- Prepare data models and author reports
- Create dashboards
- Manage dashboards and at enterprise scale
- Use Power Apps to create actionable insights
- Automate processes using Microsoft Flow

*Reports, Dashboards and Apps Using Microsoft Power Platform* is an essential guide for Business Intelligence professionals, analysts, data scientists, developers, and Excel, Tableau, and Qlikview power users.



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Data Mining & Knowledge Discovery

FEBRUARY 2021 UnknownPP  
978-1-119-60918-6 PB \$50.00 (Japan)  
Data Mining & Knowledge Discovery

## AWS Certified Data Analytics Study Guide

Specialty (DAS-C01) Exam

ASIF ABBASI

**Move your career forward with AWS certification! Prepare for the AWS Certified Data Analytics Specialty Exam with this thorough study guide**

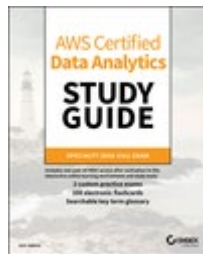
This comprehensive study guide will help assess your technical skills and prepare for the updated AWS Certified Data Analytics exam. Earning this AWS certification will confirm your expertise in designing and implementing AWS services to derive value from data. The *AWS Certified Data Analytics Study Guide: Specialty (DAS-C01) Exam* is designed for business analysts and IT professionals who perform complex Big Data analyses.

This AWS Specialty Exam guide gets you ready for certification testing with expert content, real-world knowledge, key exam concepts, and topic reviews. Gain confidence by studying the subject areas and working through the practice questions. Big data concepts covered in the guide include:

- Collection
- Storage
- Processing
- Analysis
- Visualization
- Data security

AWS certifications allow professionals to demonstrate skills related to leading Amazon Web Services technology. The AWS Certified Data Analytics Specialty (DAS-C01) Exam specifically evaluates your ability to design and maintain Big Data, leverage tools to automate data analysis, and implement AWS Big Data services according to architectural best practices. An exam study guide can help you feel more prepared about taking an AWS certification test and advancing your professional career. In addition to the guide's content, you'll have access to an online learning environment and test bank that offers practice exams, a glossary, and electronic flashcards.

FEBRUARY 2021 408PP  
978-1-119-64947-2 PB \$60.00 (Japan)  
Grid & Cloud Computing



## AWS Certified Solutions Architect Study Guide

Associate SAA-C02 Exam, 3rd Edition

BEN PIPER & DAVID CLINTON

**Master the intricacies of Amazon Web Services and efficiently prepare for the SAA-C02 Exam with this comprehensive study guide**

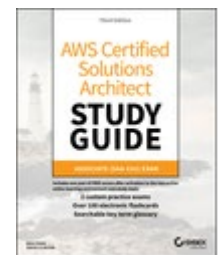
*AWS Certified Solutions Study Guide: Associate (SAA-C02) Exam, Third Edition* comprehensively and efficiently prepares you for the SAA-C02 Exam. The study guide contains robust and effective study tools that will help you succeed on the exam. The guide grants you access to the regularly updated Sybex online learning environment and test bank, which contains hundreds of test questions, bonus practice exams, electronic flashcards, and a glossary of key terms.

In this study guide, accomplished and experienced authors Ben Piper and David Clinton show you how to:

- Design resilient architectures
- Create high-performing architectures
- Craft secure applications and architectures
- Design cost-optimized architectures

Perfect for anyone who hopes to begin a new career as an Amazon Web Services cloud professional, the study guide also belongs on the bookshelf of any existing AWS professional who wants to brush up on the fundamentals of their profession.

FEBRUARY 2021 416PP  
978-1-119-71308-1 PB \$60.00 (Japan)  
GRID & CLOUD COMPUTING



## Emerging Trends and Roles of Fog, Edge and Pervasive Computing in Intelligent IoT Driven Applications

EDITOR DEEPAK GUPTA & EDITOR ADITYA KHAMPARIA

This book describes the different techniques of intelligent systems from a practical point of view: solving common life problems. This book also brings a valuable point of view to engineers and businessmen that work in companies, trying to solve practical, economical, or technical problems in the field of their company activities or expertise. The pure practical approach helps to transmit the idea and the aim of the author to communicate the way to approach and to cope with problems that would be intractable in any other way. This book solicits contributions which include theory, applications, and design methods of intelligent systems, Ubiquitous techniques, trends of fog, edge and cloud applications as embedded in the fields of engineering, computer science, mathematics and life sciences, as well as the methodologies behind them.

FEBRUARY 2021 448PP  
978-1-119-67007-0 CL \$120.00 (Japan)  
Grid & Cloud Computing

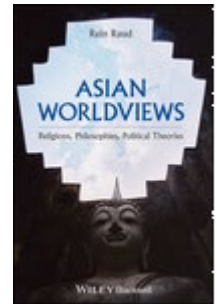
## 文化研究

## Asian Worldviews

Religions, Philosophies, Ideologies - An Introductory Overview

REIN RAUD

FEBRUARY 2021 330PP  
978-1-119-16597-2 PB \$39.95 (Japan)  
Asian / Asian-American Studies

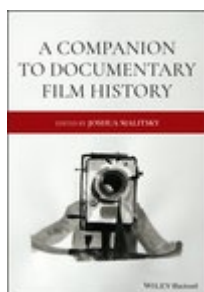


## A Companion to Documentary History

EDITOR JOSHUA MALITSKY

**This volume offers a new and expanded history of the documentary form across a range of times and contexts, featuring original essays by leading historians in the field**

In a contemporary media culture suffused with competing truth claims, documentary media have become one of the most significant means through which we think in depth about the past. The most rigorous collection of essays on nonfiction film and media history and historiography currently available, *A Companion to Documentary Film History* offers an in-depth, global examination of central historical issues and approaches in documentary, and of documentary's engagement with historical and contemporary topics, debates, and themes.



The *Companion's* twenty original essays by prominent nonfiction film and media historians challenge prevalent conceptions of what documentary is and was, and explore its growth, development, and function over time. The authors provide fresh insights on the mode's reception, geographies, authorship, multimedia contexts, and movements, and address documentary's many aesthetic, industrial, historiographical, and social dimensions.

*A Companion to Documentary Film History* is an ideal text for undergraduate and graduate courses covering documentary or nonfiction film and media, an excellent supplement for courses on national or regional media histories, and an important new resource for all film and media studies scholars, particularly those in nonfiction media.

FEBRUARY 2021 496PP  
978-1-119-11624-0 CL \$195.00 (Japan)  
FILM STUDIES

## Handbook of Clinical Caries Management

EDITOR BENNETT T. AMAECHI

*Handbook of Clinical Caries Management* compiles the very latest in caries management by risk assessment (CAMBRA) and evidence-based management techniques in this accessible chairside handbook.

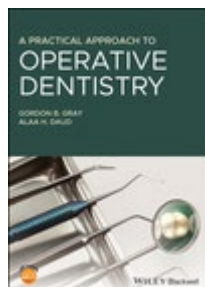
- Explains how CAMBRA is used to assess patients' risk of caries and to determine management options
- Color photographs show the stages of caries and management methods
- Contributors include international clinicians and researchers

FEBRUARY 2021 200PP  
978-1-118-85678-9 PB \$59.99 (Japan)  
General Dentistry

## A Practical Approach to Operative Dentistry

GORDON B. GRAY & ALAA H. DAUD

MARCH 2021 325PP  
978-1-119-60842-4 PB \$135.00 (Japan)  
General Dentistry



## Endodontic Materials in Clinical Practice

JOSETTE CAMILLERI

*Endodontic Materials in Clinical Practice* delivers a much-needed comprehensive and clinically oriented reference to the materials used in endodontic practice. It provides complete details on the properties of the materials required for specific techniques in order to help in the selection of the appropriate materials and improve patient outcomes.

Comprehensive in scope and filled with helpful illustrations, the book covers endodontic materials used from the pulp to the root-end. In addition, the text considers the location and technique for each of the materials presented. Designed to be a practical and accessible reference, the book is organised by specific clinical procedure.

- Presents an illustrated guide to all materials used in endodontic practice
- Focuses on the clinical application for each material
- Explains why specific materials are used
- Includes information on how to select the correct material
- Considers locations and techniques in making material decisions

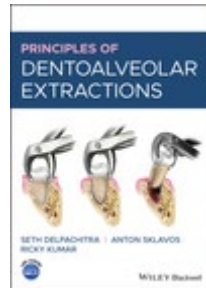
Written for specialist endodontists and residents, dental material specialists, post-graduate students, general dentists, and dentistry students, *Endodontic Materials in Clinical Practice* is an essential resource for selecting the right materials for specific techniques.

FEBRUARY 2021 304PP  
978-1-119-51352-0 CL \$150.00 (Japan)  
Endodontics

## Principles of Dentoalveolar Extractions

SETH DELPACHITRA, ANTON  
SKLAVOS & RICKY KUMAR

FEBRUARY 2021 229PP  
978-1-119-59640-0 CL \$125.00 (Japan)  
Oral & Maxillofacial Surgery

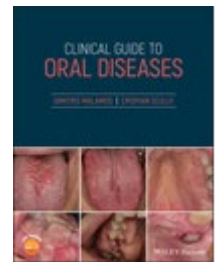


## Clinical Guide to Oral Diseases

DIMITRIS MALAMOS & CRISPIAN SCULLY

University College London

**A quick reference and revision guide  
on the most common oral and  
perioral diseases seen in clinical  
practice**



*Clinical Guide to Oral Diseases* is a concise reference on the common diseases encountered in daily practice. Presenting a large selection of clinical cases, this user-friendly resource covers a range of oral and perioral lesions located in hard and soft tissues of the mouth and neck, as well as oral manifestations of various systemic diseases. Nearly 300 high-quality color images complement succinct descriptions of clinical cases seen in both community and hospital care settings.

Divided into three parts, the text first covers oral lesions classified by their color, appearance, and symptomatology such as bleeding, disturbances of saliva, taste, and orofacial pain. Part two describes the most common oral lesions by location, including those in the buccal mucosae, floor of mouth, gingivae and jaws, lips, neck, palate, salivary glands, tongue, and teeth. The third part encompasses oral lesions that are normal variations or those common to specific age groups or associated with various clinical phenomena.

*Clinical Guide to Oral Diseases* is a valuable reference for general dental and medical practitioners, undergraduate dental students, and postgraduate trainees in oral and maxillofacial surgery, oral medicine, oral pathology, periodontology as well as general pathology, dermatology or head and neck oncology.

FEBRUARY 2021 280PP  
978-1-119-32811-7 PB \$50.00 (Japan)  
Oral Pathology

## 経済学

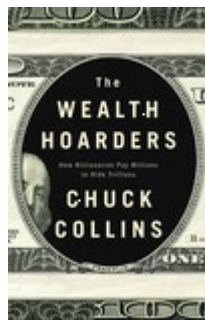
**The Wealth Hoarders**

How Billionaires Pay Millions to Hide Trillions

CHUCK COLLINS

READERSHIP: General readers interested in tax avoidance and havens, financial secrecy, the Panama Papers and similar; and political economics more generally.

FEBRUARY 2021 224PP  
978-1-5095-4348-9 CL \$64.95 (Japan)  
978-1-5095-4349-6 PB \$22.95 (Japan)  
Political Economics



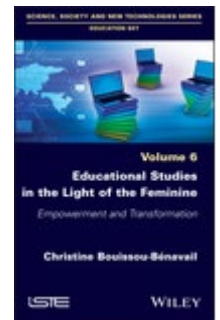
## 教育

**Educational Studies in the Light of the Feminine**

Encapacitation and Transformation

CHRISTINE BENAVAL BOUISSOU

From the theory-practice couple, there are various ways to approach educational and training issues. Intervention research, reflexive situated action and innovation are some of them. Through the analysis of the author's various experiences - professional and initial training, support for change, organizational assessment, experiential learning, project management - this book explores questions about social or professional contexts and the subjective training of actors. One of the challenges is to understand and challenge phenomena such as the development of autonomy and subsidiarity in changing academic or academic contexts. The book promotes the emergence of an ethical and resilient subjectivity. It will show that storytelling is methodological resources for research-intervention paradigms, support the development of actors and stimulate mobility. The book introduces the hypothesis of an operational principle of the feminine as fluid gender, added value to the collective intelligences of the processes of transformation of education and teaching, in terms of intergenerational transmission and in terms of transferability and Strategic activation of skills between business sectors and intellectual fields. This praxeology reconsiders organizations, temporalities, frames of reference, relaunches a reflection in action at the heart of structuration-transformation projects in governance of public action, as well as in terms of personal and collective encapacitation. The reflection opens to questions of management of conflictualities and management of the subjective, epistemological and professional economies.



FEBRUARY 2021 256PP  
978-1-78630-571-8 CL \$155.00 (Japan)  
Diversity & Culture (K-12)

## 電気電子工学

## Basic Electrical and Instrumentation Engineering

P. SIVARAMAN, C. SHARMEELA, A. THAIYAL NAYAGI & R. MAHENDRAN

Electrical and instrumentation engineering is changing rapidly, and it is important for the veteran engineer in the field not only to have a valuable and reliable reference work which he or she can consult for basic concepts, but also to be up to date on any changes to basic equipment or processes that might have occurred in the field. Covering all of the basic concepts, from three-phase power supply and its various types of connection and conversion, to power equation and discussions of the protection of power system, to transformers, voltage regulation, and many other concepts, this volume is the one-stop, "go to" for all of the engineer's questions on basic electrical and instrumentation engineering.

There are chapters covering the construction and working principle of the DC machine, all varieties of motors, fundamental concepts and operating principles of measuring, and instrumentation, both from a "high end" point of view and the point of view of developing countries, emphasizing low-cost methods.

A valuable reference for engineers, scientists, chemists, and students, this volume is applicable to many different fields, across many different industries, at all levels. It is a must-have for any library.

FEBRUARY 2021 UnknownPP  
978-1-119-76446-5 CL \$225.00 (Japan)  
General & Introductory Electrical & Electronics Engineering

## Engineering Research

Design, Methods, and Publication

HERMAN TANG

**Master the fundamentals of planning, preparing, conducting, and presenting engineering research with this one-stop resource**

*Engineering Research: Design, Methods, and Publication* delivers a concise but comprehensive guide on how to properly conceive and execute research projects within an engineering field. Accomplished professional and author Herman Tang covers the foundational and advanced topics necessary to understand engineering research, from conceiving an idea to disseminating the results of the project.



Organized in the same order as the most common sequence of activities for an engineering research project, the book is split into three parts and nine chapters. The book begins with a section focused on proposal development and literature review, followed by a description of data and methods that explores quantitative and qualitative experiments and analysis, and ends with a section on project presentation and preparation of scholarly publication.

*Engineering Research* offers readers the opportunity to understand the methodology of the entire process of engineering research in the real world. The author focuses on executable process and principle-guided exercise as opposed to abstract theory.

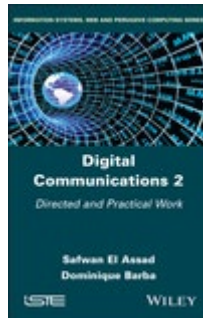
Perfect for advanced undergraduate and engineering students taking research methods courses, *Engineering Research* also belongs on the bookshelves of engineering and technical professionals who wish to brush up on their knowledge about planning, preparing, conducting, and presenting their own scientific research.

FEBRUARY 2021 464PP  
978-1-119-62448-6 CL \$135.00 (Japan)  
Engineering Management

## Digital Communications 2

SAFWAN EL ASSAD & DOMINIQUE BARBA

It is a complete training in digital communications in the same book with all the aspects involved in such training: courses, tutorials with many typical problems targeted with detailed solutions, practical work concretely illustrating various aspects of technical implementation implemented. It breaks down into three parts. The Theory of information itself, which concerns both the sources of information and the channels of its transmission, taking into account the errors they introduce in the transmission of information and the means of protect by the use of appropriate coding methods. Then for the technical aspects of transmission, first the baseband transmission is presented with the important concept and fundamental technique of equalization. The performance evaluation in terms of probability of errors is systematically developed and detailed as well as the online codes used. Finally, the third part presents the Transmissions with digital modulation of carriers used in radio transmissions but also on electric cables. A second important aspect in learning a learner's knowledge and skills is this book. It concerns the "Directed Work" aspect of a training. This is an ordered set of 33 typical problems with detailed solutions covering the different parts of the course with practical work. Finally, the last aspect concerns the practical aspects in the proper sense of the term, an essential complement to training going as far as know-how. We propose here a set of 5 practical works.



FEBRUARY 2021 336PP  
978-1-78630-542-8 CL \$160.00 (Japan)  
Communication Technology

## ICT Policy, Research, and Innovation

Perspectives and Prospects for EU-US Collaboration

SVETLANA KLESSOVA, SEBASTIAN ENGELL, MAARTEN BOTTERMAN & JONATHAN CAVE

University of Dortmund, Germany

**A comprehensive discussion of the findings of the PICASSO initiative on ICT policy**

*ICT Policy, Research, and Innovation: Perspectives and Prospects for EU-US Collaboration* provides a clearly readable overview of selected information and communication technology (ICT) and policy topics. Rather than deluge the reader with technical details, the distinguished authors provide just enough technical background to make sense of the underlying policy discussions.



The book covers policy, research, and innovation topics on technologies as wide-ranging as:

- Internet of Things
- Cyber physical systems
- 5G
- Big data

*ICT Policy, Research, and Innovation* compares and contrasts the policy approaches taken by the EU and the US in a variety of areas. The potential for future cooperation is outlined as well. Later chapters provide policy perspectives about some major issues affecting EU/US development cooperation, while the book closes with a discussion of how the development of these new technologies is changing our conceptions of fundamental aspects of society.

SERIES: IEEE PRESS SERIES ON TECHNOLOGY MANAGEMENT, INNOVATION, AND LEADERSHIP

FEBRUARY 2021 480PP  
978-1-119-63252-8 CL \$135.00 (Japan)  
Communication System Security

## Advanced Technologies and Wireless Networks Beyond 4G

NATHAN BLAUNSTEIN & YEHUDA BEN-SHIMOL

**A guide to the physical and mathematical-statistical approaches to personal and mobile wireless communication networks**

*Wireless Networks Technologies* offers an authoritative account of several current and modern wireless networks and the corresponding novel technologies and techniques. The text explores the main aspects of the "physical layer" of the technology. The authors—noted experts on the topic—examine the well-known networks (from 2-G to 3-G) in a historical perspective. They also illuminate the "physical layer" of networks while presenting polarization diversity analysis and positioning of any subscriber located in areas of service both for land-to-land and land-to-atmosphere communication links.

The book includes clear descriptions of planning techniques for different integrated femto/pico/micro/macroc cell deployments. The authors also examine new technologies of time and frequency dispersy and multiple-input and multiple-output (MIMO) modern network design in space and time domains. In addition, the text contains a discussion of a MIMO network based on multi-beam adaptive antennas.

Written for students and instructors as well as designers and engineers of wireless communications systems, *Wireless Networks Technologies* offers a combination of physical and mathematical-statistical approaches to predict operational parameters of land-to-land and land-to-atmosphere personal and mobile wireless communication networks.

FEBRUARY 2021 272PP  
978-1-119-69244-7 CL \$135.00 (Japan)  
Mobile & Wireless Communications



## Apple Watch For Dummies

4th Edition

MARC SALTZMAN

Explore dozens of features on your Apple Watch!

So you got an Apple Watch—and you have no idea what to do with it. Fear not: *Apple Watch For Dummies, 4<sup>th</sup> Edition* will demystify this clever little gadget so you can make the most of everything from the basics to the latest and greatest updates. This "watch" does much more than tell time. Find out how health and fitness apps can help you track your sleep and create a personalized fitness plan. Communicate with Siri and discover useful Siri shortcuts. Make mobile payments with Apple Pay. Manage your music, movies, podcasts, audiobooks, and other media. And much more!

Inside...

-Apple Watch basics

-The wonderful world of apps

-Use your Watch to keep in touch via calls, texts, messages, and more

-Get in shape with health and fitness features

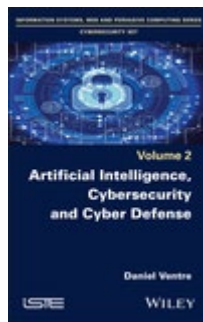
-Manage media-Customize your Apple Watch

FEBRUARY 2021 UnknownPP  
978-1-119-77682-6 PB \$26.99 (Japan)  
MOBILE & WIRELESS COMMUNICATIONS

## Artificial Intelligence, Cybersecurity and Cyber Defence

DANIEL VENTRE

The aim of the book is to analyse and understand the impacts of artificial intelligence in the fields of national security and defense; to identify the political, geopolitical, strategic issues of AI; to analyse its place in conflicts and cyberconflicts, and more generally in the various forms of violence; to explain the appropriation of artificial intelligence by military organizations, but also law enforcement agencies and the police; to discuss the questions that the development of artificial intelligence and its use raise in armies, police, intelligence agencies, at the tactical, operational and strategic levels.



FEBRUARY 2021 272PP  
978-1-78630-467-4 CL \$150.00 (Japan)  
Mobile & Wireless Communications

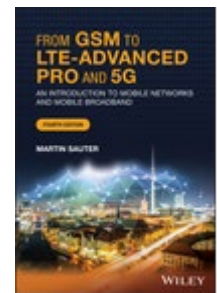
## From GSM to LTE-Advanced Pro and 5G

An Introduction to Mobile Networks and Mobile Broadband, 4th Edition

MARTIN SAUTER, GERMANY

Nortel Networks

**A revised edition of the text that offers a comparative introduction to global wireless standards, technologies, and their applications**



The revised and updated fourth edition of *From GSM to LTE-Advanced Pro and 5G: An Introduction to Mobile Networks and Mobile Broadband* offers an authoritative guide to the technical descriptions of the various wireless technologies currently in use. The author--a noted expert on the topic--explains the rationale behind their differing mechanisms and implementations while exploring the advantages and limitations of each technology.

The fourth edition reflects the significant changes in mobile network technology that have taken place since the third edition was published. The text offers a new chapter on 5G NR that explores its non-standalone and standalone architecture. In the Wi-Fi chapter, additional sections focus on the new WPA3 authentication protocol, the new 802.11ax air interface and protocol extensions like 802.11k and 11v for meshed networks.

Written for students and professionals of wireless technologies, the revised fourth edition of *From GSM to LTE-Advanced Pro and 5G* provides an in-depth review and description of the most current mobile networks and broadband.

FEBRUARY 2021 500PP  
978-1-119-71467-5 CL \$135.00 (Japan)  
MOBILE & WIRELESS COMMUNICATIONS

## Position, Navigation, and Timing Technologies in the 21st Century

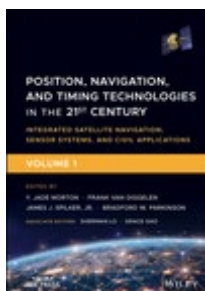
Integrated Satellite Navigation, Sensor Systems, and Civil Applications, Volume 1

EDITOR Y. JADE MORTON, EDITOR FRANK VAN DIGGELEN, EDITOR JAMES J. SPILKER JR., EDITOR BRADFORD W. PARKINSON, ASSOCIATE EDITOR SHERMAN LO & ASSOCIATE EDITOR GRACE GAO

University of Colorado Boulder; Google; Stanford University; Stanford University; Stanford University; University of Illinois Urbana-Champaign

**Covers the latest developments in PNT technologies, including integrated satellite navigation, sensor systems, and civil applications**

Featuring sixty-four chapters that are divided into six parts, this two-volume work provides comprehensive coverage of the state-of-the-art in satellite-based position, navigation, and timing (PNT) technologies and civilian applications. It also examines alternative navigation technologies based on other signals-of-opportunity and sensors and offers a comprehensive treatment on integrated PNT systems for consumer and commercial applications.



Volume 1 of *Position, Navigation, and Timing Technologies in the 21st Century: Integrated Satellite Navigation, Sensor Systems, and Civil Applications* contains three parts and focuses on the satellite navigation systems, technologies, and engineering and scientific applications. It starts with a historical perspective of GPS development and other related PNT development. Current global and regional navigation satellite systems (GNSS and RNSS), their inter-operability, signal quality monitoring, satellite orbit and time synchronization, and ground- and satellite-based augmentation systems are examined. Recent progresses in satellite navigation receiver technologies and challenges for operations in multipath-rich urban environment, in handling spoofing and interference, and in ensuring PNT integrity are addressed. A section on satellite navigation for engineering and scientific applications finishes off the volume.

MARCH 2021 1288PP  
978-1-119-45841-8 CL \$195.00 (Japan)  
Satellite Communications

## Position, Navigation, and Timing Technologies in the 21st Century

Integrated Satellite Navigation, Sensor Systems, and Civil Applications, Volume 2

EDITOR Y. JADE MORTON, EDITOR FRANK VAN DIGGELEN, EDITOR JAMES J. SPILKER JR., EDITOR BRADFORD W. PARKINSON, ASSOCIATE EDITOR SHERMAN LO & ASSOCIATE EDITOR GRACE GAO

University of Colorado Boulder; Google; Stanford University; Stanford University; Stanford University; Stanford University

Volume 2 of *Position, Navigation, and Timing Technologies in the 21st Century: Integrated Satellite Navigation, Sensor Systems, and Civil Applications* consists of three parts and addresses PNT using alternative signals and sensors and integrated PNT technologies for consumer and commercial applications. It looks at PNT using various radio

signals-of-opportunity, atomic clock, optical, laser, magnetic field, celestial, MEMS and inertial sensors, as well as the concept of navigation from Low-Earth Orbiting (LEO) satellites. GNSS-INS integration, neuroscience of navigation, and animal navigation are also covered. The volume finishes off with a collection of work on contemporary PNT applications such as survey and mobile mapping, precision agriculture, wearable systems, automated driving, train control, commercial unmanned aircraft systems, aviation, and navigation in the unique Arctic environment.



*Position, Navigation, and Timing Technologies in the 21st Century: Integrated Satellite Navigation, Sensor Systems, and Civil Applications* will appeal to all industry professionals, researchers, and academics involved with the science, engineering, and applications of position, navigation, and timing technologies.

MARCH 2021 912PP  
978-1-119-45849-4 CL \$195.00 (Japan)  
Satellite Communications

## Automated Vehicles and MaaS

### Removing the Barriers

BOB WILLIAMS

Today's technological innovations are creating the base for mobility solutions, which, accompanied to cultural and socio-economic changes taking place all over the world, open the door to new mobility scenarios. The challenge of innovation in the transport sector, including road, sea, rail, and air, is represented by automation of vehicles, particularly the automotive, from the viewpoint of demonstration and validation. Advances in the field of Artificial Intelligence (AI), on which vehicle automation relies, will further challenge this innovation. Vehicle connectivity and automation will boost a paradigm change in mobility use and the adoption on a large scale of Mobility-as-a-Service (MaaS) travel options. However, certain conditions need to be in place for sustainable mobility solutions and new business models for transport services. This reference work aims to identify the obstacles to the introduction of cooperative and automated vehicles (CAVs) and MaaS. It presents the results of real research and study undertaken, and, having identified the obstacles, proposes solutions to address and overcome them, and make more realistic estimates of the timescales involved.

SERIES: WILEY – IEEE

FEBRUARY 2021 300PP  
978-1-119-76534-9 CL \$130.00 (Japan)  
Control Systems Technology

## Cellular V2X for Connected Automated Driving

MIKAEL FALLGREN, MARKUS DILLINGER, TOKTAM MAHMOODI & TOMMY SVENSSON

Cellular assisted Vehicles to Everything (C-V2X) technologies in connected automated vehicles will enable information sharing between vehicles, and allow them to communicate both with the network and with each other using highly reliable and responsive, secure, and high capacity communication links. Enabling such connectivity will leverage disruptive new applications, business services resulting in advance driving support, additional road safety, and ultimately, fully automated vehicles widely spread at large scale. On the path to fully automated vehicles, there are significant challenges in serving the mix of vehicles at different automation levels, both for the network and for the vehicles.

FEBRUARY 2021 320PP  
978-1-119-69264-5 CL \$120.00 (Japan)  
Intelligent Systems & Agents

## Design for Maintainability

EDITOR LOUIS J. GULLO & EDITOR JACK DIXON

How to design for optimum maintenance capabilities and minimize the repair time

Design for Maintainability offers engineers a wide range of tools and techniques for incorporating maintainability into the design process for complex systems. With contributions from noted experts on the topic, the book explains how to design for optimum maintenance capabilities while simultaneously minimizing the time to repair equipment.

The book contains a wealth of examples and the most up-to-date maintainability design practices that have proven to result in better system readiness, shorter downtimes, and substantial cost savings over the entire system life cycle, thereby, decreasing the Total Cost of Ownership. Design for Maintainability offers a wealth of design practices not covered in typical engineering books, thus allowing readers to think outside the box when developing maintainability design requirements. The book's principles and practices can help engineers to dramatically improve their ability to compete in global markets and gain widespread customer satisfaction.

Written for design and logistic engineers and managers, Design for Maintainability is a comprehensive resource of the most reliable techniques for creating maintainability in when designing a product.



SERIES: QUALITY AND RELIABILITY ENGINEERING SERIES

FEBRUARY 2021 352PP  
978-1-119-57851-2 CL \$140.00 (Japan)  
Quality & Reliability

## Reliability Engineering

3rd Edition

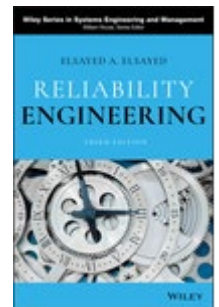
ELSAIED A. ELSAYED

**Get a firm handle on the engineering reliability process with this insightful and complete resource**

The newly and thoroughly revised 3rd Edition of *Reliability Engineering* delivers a comprehensive and insightful analysis of this crucial field. Accomplished author, professor, and engineer, Elsayed A. Elsayed includes new examples and end-of-chapter problems to illustrate concepts, new chapters on resilience and the physics of failure, revised chapters on reliability and hazard functions, and more case studies illustrating the approaches and methodologies described within.

The book combines analyses of system reliability estimation for time independent and time dependent models with the construction of the likelihood function and its use in estimating the parameters of failure time distribution. It concludes by addressing the physics of failures, mechanical reliability, and system resilience, along with an explanation of how to ensure reliability objectives by providing preventive and scheduled maintenance and warranty policies.

Perfect for first-year graduate students in industrial and systems engineering, *Reliability Engineering, 3rd Edition* also belongs on the bookshelves of practicing professionals in research laboratories and defense industries. The book offers a practical and approachable treatment of a complex area, combining the most crucial foundational knowledge with necessary and advanced topics.



SERIES: WILEY SERIES IN SYSTEMS ENGINEERING AND MANAGEMENT

FEBRUARY 2021 928PP  
978-1-119-66592-2 CL \$164.95 (Japan)  
QUALITY & RELIABILITY

## Magnetic Memory Technology

### Spin-transfer-Torque MRAM and Beyond

DENNY D. TANG & CHI-FENG PAI

This book first provides the basics of magnetism that electrical engineering students in the semiconductor curriculum can easily understand. Then, it goes one step forward to discuss electron spin. Following the above background discussion, readers are taught the physics of magnetic tunnel junction device (MTJ), the work horse of MRAM, for memory applications. At the end of this book, the author gives a comparison of emerging non-volatile memories (PCM, ReRAM, FeRAM and MRAM). The author also explores MRAM's unique quality among emerging memories, in that is the only one in which the atoms in the device do not move when switching states. This property makes it the most reliable and low power.



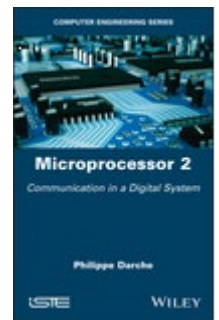
FEBRUARY 2021 368PP  
978-1-119-56223-8 CL \$140.00 (Japan)  
Semiconductors

## Microprocessor 2

### Basic Concepts: Communication in a Digital System

PHILIPPE DARCHE

Calculation is the main function of a computer. The central unit is responsible for executing the programs. The microprocessor is its integrated form. This component, since the announcement of its marketing in 1971, has not stopped breaking records in terms of computing power, price reduction and integration of functions (calculation of basic functions, storage with integrated controllers). It is present today in most electronic devices. Knowing its internal mechanisms and programming is essential for the electronics engineer and computer scientist to understand and master the operation of a computer and advanced concepts of programming. This first volume focuses more particularly on the first generations of microprocessors, that is to say those that handle integers in 4 and 8-bit formats. The first chapter presents the calculation function and reminds the memory function. The following is devoted to notions of calculation model and architecture. The concept of bus is then presented. Chapters 4 and 5 can then address the internal organization and operation of the microprocessor first in hardware and then software. The mechanism of the function call, conventional and interrupted, is more particularly detailed in a separate chapter. The book ends with a presentation of architectures of the first microcomputers for a historical perspective. The knowledge is presented in the most exhaustive way possible with examples drawn from current and old technologies that illustrate and make accessible the theoretical concepts. Each chapter ends if necessary with corrected exercises and a bibliography. The list of acronyms used and an index are at the end of the book.



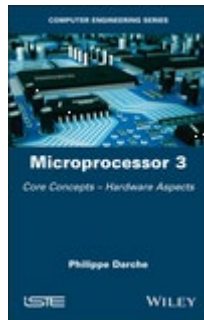
FEBRUARY 2021 208PP  
978-1-78630-564-0 CL \$130.00 (Japan)  
Computer Engineering

## Microprocessor 3

Core Concepts - Hardware Aspects

PHILIPPE DARCHÉ

Calculation is the main function of a computer. The central unit is responsible for executing the programs. The microprocessor is its integrated form. This component, since the announcement of its marketing in 1971, has not stopped breaking records in terms of computing power, price reduction and integration of functions (calculation of basic functions, storage with integrated controllers). It is present today in most electronic devices. Knowing its internal mechanisms and programming is essential for the electronics engineer and computer scientist to understand and master the operation of a computer and advanced concepts of programming. This first volume focuses more particularly on the first generations of microprocessors, that is to say those that handle integers in 4 and 8-bit formats. The first chapter presents the calculation function and reminds the memory function. The following is devoted to notions of calculation model and architecture. The concept of bus is then presented. Chapters 4 and 5 can then address the internal organization and operation of the microprocessor first in hardware and then software. The mechanism of the function call, conventional and interrupted, is more particularly detailed in a separate chapter. The book ends with a presentation of architectures of the first microcomputers for a historical perspective. The knowledge is presented in the most exhaustive way possible with examples drawn from current and old technologies that illustrate and make accessible the theoretical concepts. Each chapter ends if necessary with corrected exercises and a bibliography. The list of acronyms used and an index are at the end of the book.



FEBRUARY 2021 240PP  
978-1-78630-565-7 CL \$140.00 (Japan)  
Computer Engineering

## Arc Flash Hazard Analysis and Mitigation

2nd Edition

J. C. DAS

Indian Institute of Technology

The book is a guide for electrical engineers engaged in the design, operation and maintenance, consulting engineers, facility managers and safety professionals. The calculations of short-circuits, protective relaying and varied electrical system configurations in industrial power systems are addressed. The text covers protection systems that address differential relays, arc flash sensing relays, protective relaying coordination, current transformer operation and saturation and applications to major electrical equipment from the arc flash considerations. The book also explores current technologies and strategies for arc flash mitigation. Review questions and references follow each chapter.

SERIES: IEEE PRESS SERIES ON POWER ENGINEERING

FEBRUARY 2021 624PP  
978-1-119-70974-9 CL \$145.00 (Japan)  
POWER ELECTRONICS

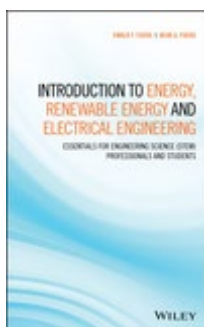
## Introduction to Energy, Renewable Energy and Electrical Engineering

Essentials for Engineering Science (STEM)  
Professionals and Students

EWALD F FUCHS & HEIDI A FUCHS

**A great resource for beginner students and professionals alike**

*Introduction to Energy, Renewable Energy and Electrical Engineering: Essentials for Engineering Science (STEM) Professionals and Students* brings together the fundamentals of Carnot's laws of thermodynamics, Coulomb's law, electric circuit theory, and semiconductor technology. The book is the perfect introduction to energy-related fields for undergraduates and non-electrical engineering students and professionals with knowledge of Calculus III. Its unique combination of foundational concepts and advanced applications delivered with focused examples serves to leave the reader with a practical and comprehensive overview of the subject.



The book includes:

- A combination of analytical and software solutions in order to relate aspects of electric circuits at an accessible level
- A thorough description of compensation of flux weakening (CFW) applied to inverter-fed, variable-speed drives not seen anywhere else in the literature
- Numerous application examples of solutions using PSPICE, Mathematica, and finite difference/finite element solutions such as detailed magnetic flux distributions
- Manufacturing of electric energy in power systems with integrated renewable energy sources where three-phase inverter supply energy to interconnected, smart power systems

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Power Electronics

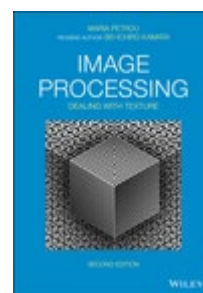
## Image Processing

Dealing with Texture, 2nd Edition

MARIA M. P. PETROU, GREECE & SEI-ICHIRO KAMATA

University of Surrey, Guildford, UK; Jaume I University, Spain

*Image Processing: Dealing with Textures* (2006) has been, for some time, the only book focusing solely on image texture analysis theory, and remains the classic advanced text on the topic. This welcome update brings the original into the 21<sup>st</sup> century, without abandoning the foundational essentials of this milestone work. Revising author



Sei-ichiro Kamata has provided a sympathetic and respectful revision of the late Maria Petrou's original, and delivers an extensive and exhaustive reappraisal worthy of her memory.

Chapters receiving complete overhauls include Fractals and Multifractals, Image Statistics, Texture Repair, Local phase Features, Dual tree Complex Wavelet Transform, Ridgelets and Curvelets, and Deep Texture Features. *Image Processing: Dealing with Textures* 2<sup>nd</sup> Edition continues the analysis of texture in digital images which are essential to a range of applications in areas as diverse as robotics, defense, medicine and the geo-sciences. It is structured around a series of questions and answers, enabling readers to easily locate information on specific problems. Readers must have some elementary knowledge of Image Processing and Mathematics; there are more advanced topics in this new edition. Companion website: [www.wiley.com/go/texture](http://www.wiley.com/go/texture).

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IMAGE AND VIDEO PROCESSING

## エネルギー

## Microwave and Wireless Synthesizers

Theory and Design, 2nd Edition

ULRICH L. ROHDE, ENRICO RUBIOLA & JERRY WHITAKER

Synergy Microwave Corp.

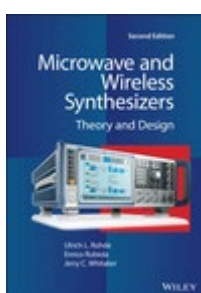
**The new edition of the leading resource on designing digital frequency synthesizers from microwave and wireless applications, fully updated to reflect the most modern integrated circuits and semiconductors**

*Microwave and Wireless Synthesizers: Theory and Design, Second Edition*, remains the standard text on the

subject by providing complete and up-to-date coverage of both practical and theoretical aspects of modern frequency synthesizers and their components. Featuring contributions from leading experts in the field, this classic volume describes loop fundamentals, noise and spurious responses, special loops, loop components, multiloop synthesizers, and more. Practical synthesizer examples illustrate the design of a high-performance hybrid synthesizer and performance measurement techniques—offering readers clear instruction on the various design steps and design rules.

The second edition includes extensively revised content throughout, including a modern approach to dealing with the noise and spurious response of loops and updated material on digital signal processing and architectures. Reflecting today's technology, new practical and validated examples cover a combination of analog and digital synthesizers and hybrid systems. Enhanced and expanded chapters discuss implementations of direct digital synthesis (DDS) architectures, the voltage-controlled oscillator (VCO), crystal and other high-Q based oscillators, arbitrary waveform generation, vector signal generation, and other current tools and techniques. *Microwave and Wireless Synthesizers: Theory and Design, Second Edition*, is a must-have reference for engineers working in the field of radio communication, and the perfect textbook for advanced electrical engineering students.

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Volume 2

A. KAYODE COKER

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There is a renaissance that is occurring in chemical and process engineering, and it is crucial for today's scientists, engineers, technicians, and operators to stay current. This book offers the most up-to-date and comprehensive coverage of the most significant and recent changes to petroleum refining, presenting the state-of-the-art to the engineer, scientist, or student. Useful as a textbook, this is also an excellent, handy go-to reference for the veteran engineer, a volume no chemical or process engineering library should be without.

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Fossil Fuels

## Wind Energy Handbook

3rd Edition

TONY L BURTON, NICK JENKINS, ERVIN BOSSANYI & JOHN GRAHAM

Fully revised and updated, this third edition addresses key developments in the wind technology since the second edition was published in 2011. Completely new sections on model predictive control; use of estimators for fault detection and fatigue monitoring; active power control; and wind farm control. After a brief introduction, the authors discuss the wind resource. Particular reference is made to wind turbulence due to its importance in wind turbine design. A discussion on the basis of the aerodynamics of horizontal axis wind turbines follows, incorporating general momentum theory and dynamic stall, and an analysis of their performance. The book goes on to assess the requirements for establishing design loads. Burton et al. also set out the various design options for horizontal axis wind turbines, discussing variable speed operation and reviewing alternative blade materials and their properties. They explain the functions of the wind turbine controller and describe some of the possible analysis techniques. The text also reviews the development of wind energy projects with particular emphasis on environmental impact, and considers how wind turbines interact with the electrical power system.

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WIND ENERGY

## Distributed Energy Management of Electrical Power Systems

YINLIANG XU, WEI ZHANG, WENXIN LIU & WEN YU

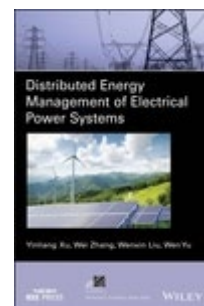
**Go in-depth with this comprehensive discussion of distributed energy management**

*Distributed Energy Management of Electrical Power Systems* provides the most complete analysis of fully distributed control approaches and their applications for electric power systems available today. Authored by four respected leaders in the field, the book covers the technical aspects of control, operation management, and optimization of electric power systems.

In each chapter, the book covers the foundations and fundamentals of the topic under discussion. It then moves on to more advanced applications. Topics reviewed in the book include:

- System-level coordinated control
- Optimization of active and reactive power in power grids
- The coordinated control of distributed generation, elastic load and energy storage systems

*Distributed Energy Management* incorporates discussions of emerging and future technologies and their potential effects on electrical power systems. The increased impact of renewable energy sources is also covered. Perfect for industry practitioners and graduate students in the field of power systems, *Distributed Energy Management* remains the leading reference for anyone with an interest in its fascinating subject matter.



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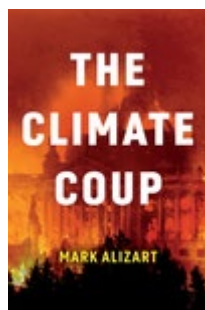
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Electric Power Systems

## 地球科学

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MARK ALIZART

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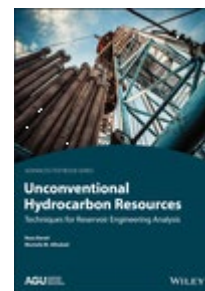
## Unconventional Hydrocarbon Resources

Techniques for Reservoir Engineering Analysis

REZA BARATI &amp; MUSTAFA M. ALHUBAIL

University of Kansas, USA; University of Kansas, USA

**A comprehensive textbook presenting techniques for the analysis and characterization of shale plays**



Significant reserves of hydrocarbons cannot be extracted using conventional methods. Improvements in techniques such as horizontal drilling and hydraulic fracturing have increased access to unconventional hydrocarbon resources, ushering in the "shale boom" and disrupting the energy sector.

*Unconventional Hydrocarbon Resources: Techniques for Reservoir Engineering Analysis* covers the geochemistry, petrophysics, geomechanics, and economics of unconventional shale oil plays. The text uses a step-by-step approach to demonstrate industry-standard workflows for calculating resource volume and optimizing the extraction process. Volume highlights include:

- Methods for rock and fluid characterization of unconventional shale plays
- A workflow for analyzing wells with stimulated reservoir volume regions
- An unconventional approach to understanding of fluid flow through porous media
- A comprehensive summary of discoveries of massive shale resources worldwide
- Data from Eagle Ford, Woodford, Wolfcamp, and The Bakken shale plays

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STRUCTURAL GEOLOGY & TECTONICS

## Large Igneous Provinces

A Driver of Global Environmental and Biotic  
Changes

RICHARD R. ERNST, ALEX DICKSON, ANDREY BEKKER

ETH-Z Honggerberg, Zurich, Switzerland

### Exploring the links between Large Igneous Provinces and dramatic environmental impact

An emerging consensus suggests that Large Igneous Provinces (LIPs) and Silicic LIPs (SLIPs) are a significant driver of dramatic global environmental and biological changes, including mass extinctions. Environmental changes caused by LIPs and SLIPs include rapid global warming, global cooling (‘Snowball Earth’), oceanic anoxia events, mercury poisoning, atmospheric and oceanic acidification, and sea level changes.



Continued research to characterize the effects of these extremely large and typically short duration igneous events on atmospheric and oceanic chemistry through Earth history can provide lessons for understanding and mitigating modern climate change.

*Large Igneous Provinces: A Driver of Global Environmental and Biotic Changes* describes the interactions between the effects of LIPs and other drivers of climatic change, the limits of the LIP effect, and the atmospheric and oceanic consequences of LIPs in significant environmental events.

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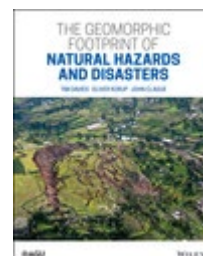
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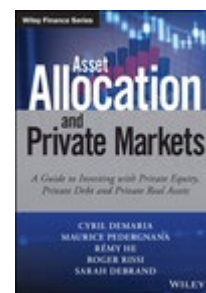
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 Water Resource Management

**Asset Allocation and Private Markets**

A Guide to Investing with Private Equity, Private Debt and Private Real Assets

CYRIL DEMARIA, MAURICE PEDERGNANA, R?MY HE, ROGER RISSI &amp; SARAH DEBRAND

*Asset Allocation and Private Markets* provides institutional investors, such as pension funds, insurance groups and family offices, with a single-volume authoritative resource on including private markets in strategic asset allocation. Written by four academic and practitioner specialists, this book provides the background knowledge investors need, coupled with practical advice from experts in the field.



The discussion focuses on private equity, private debt and private real assets, and their correlation with other asset classes to establish optimized investment portfolios. Armed with the grounded and critical perspectives provided in this book, investors can tailor their portfolio and effectively allocate assets to traditional and private markets in their best interest.

In-depth discussion of return, risks, liquidity and other factors of asset allocation takes a more practical turn with guidance on allocation construction and capital deployment, the "endowment model," and hedging -- or lack thereof. Unique in the depth and breadth of information on this increasingly attractive asset class, this book is an invaluable resource for investors seeking new strategies.

Private markets represent a substantial proportion of global wealth. Amidst disappointing returns from stocks and bonds, investors are increasingly looking to revitalise traditional asset allocation strategies by weighting private market structures more heavily in their portfolios. Pension fund and other long-term asset managers need deeper information than is typically provided in tangential reference in broader asset allocation literature; *Asset Allocation and Private Markets* fills the gap, with comprehensive information and practical guidance.

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 General Finance & Investments

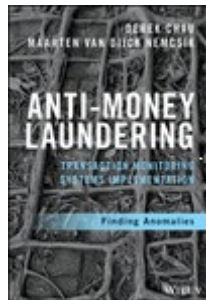
## Anti-Money Laundering Transaction Monitoring Systems Implementation

Finding Anomalies

DEREK CHAU

**Effective transaction monitoring begins with proper implementation**

*Anti-Money Laundering Transaction Monitoring Systems Implementation* provides comprehensive guidance for bank compliance and IT personnel tasked with implementing AML transaction monitoring. Written by an authority on data integration and anti-money laundering technology, this book offers both high-level discussion of transaction monitoring concepts and direct clarification of practical implementation techniques. All transaction monitoring scenarios are composed of a few common elements, and a deep understanding of these elements is the critical factor in achieving your goal; without delving into actual code, this guide provides actionable information suitable for any AML platform or solution to help you implement effective strategies and ensure regulatory compliance for your organization. Transaction monitoring is increasingly critical to banking and business operations, and the effectiveness of any given solution is directly correlated to its implementation. This book provides clear guidance on all facets of AML transaction monitoring, from conception to implementation.



Regulators all over the world are requiring banks and other companies to institute automated systems that combat money laundering. With many variables at play on both the transaction side and the solution side of the equation, a solid understanding of AML technology and its implementation is the most critical factor in successful detection. This book is an invaluable resource for those tasked with putting these systems in place, providing clear discussion and practical implementation guidance.

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Money & Banking

## Buffett's Tips

A Guide to Financial Literacy and Life

JOHN M. LONGO & TYLER J. LONGO

Warren Buffett remains one of the most sought-after and watched figures in business today. He has become a billionaire and investment sage by buying chunks of companies and holding onto them, managing them as businesses, and eventually reaping huge profits for himself and investors in Berkshire Hathaway. *Buffett's Tips* combines two areas of enormous public interest with a demonstrated history of bestselling volumes: Warren Buffett and financial literacy/financial independence. What if you could become financially literate, and ultimately financially independent, using the mindset of Warren Buffett, the greatest investor ever? This is the main premise of the book. *Buffett's Tips* enables its readers to become financially literate, with its backbone provided by 100 tips or strategies obtained from Warren Buffett's numerous writings and media appearances. This book, step by step, is the only one that enables its reader to become financially literate using the teachings of Warren Buffett, who was the embodiment of financial literacy at a very young age and who remains admired globally for his financial acumen globally. Readers will learn, in simple plain-spoken language:



- seminal concepts of financial literacy and independence, such as the time value of money, compound interest and the relationship between risk and return.
- the importance of diversification and having the right mindset for successful investing.
- the most basic of financial instruments and accounts, including savings accounts, checking accounts, and certificates of deposit. It also discusses the importance of having a good credit score and how it is calculated.
- The role of bonds and how the yield on bonds is tied to inflation.
- What a stock is and the role IPOs play, including concepts for stock valuation, such as earnings and dividends.
- Approaches to valuing a stock, including discounted cash flow and relative valuation.

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Personal Finance

## Happy Ever After

### Financial Freedom Isn't a Fairy Tale

SEVEN DOLLAR MILLIONAIRE

Financial literacy is too often taught as a dry subject, focusing on its own rhetoric and outcomes, not the desires of readers to learn. *Happy Ever After: Financial Freedom Isn't a Fairy Tale*, from its title to each sub-section of each chapter, focuses on the benefits to the reader, how the information takes them towards financial security and away from worries. Seven chapters teach the vital steps of this journey, with the acronym MISSION, and come with their own fairytale allegory and woodblock style illustration as well as how the reader can use them to get "out of the woods." The acronym MISSION stands for Money, Income, Saving, Spending, Investing, Owning, Now. Each chapter is a crucial step in the journey of understanding the importance of money, how to get it, how saving leads to investing and compounded gains -- and that this can lead to independence. It explains how to move from no understanding of money at all, to achieving the Freedom Formula of 25x your annual spending, building on lessons taught to migrant workers and the author's own daughter, including "The Seven Dollar Millionaire" and how compound investing can be the source of most of the money we save. The world is ageing with very few governments planning properly for retirees to live well. Young people will need to take their finances into their own hands more and more, and yet no one is equipping them to do this. The covid-19 crisis, when it ends, will also show the importance of having an emergency fund and financial security.

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Personal Finance

## J.K. Lasser's Your Income Tax 2021

### For Preparing Your 2020 Tax Return

J.K. LASSER INSTITUTE

**Prepare your 2020 taxes with ease! J.K.**

*Lasser's Your Income Tax 2021: For Preparing Your 2020 Tax Return* is a bestselling tax reference that has been trusted by taxpayers for over seventy-five years. Updated to reflect the changes to the 2020 tax code, this authoritative text offers step-by-step instructions that guide you through the worksheets and forms you need to file your taxes according to the best tax strategy for your financial situation. Approachable yet comprehensive, this highly-regarded resource offers tax-saving advice on maximizing deductions and sheltering income, and provides hundreds of examples of how up to date tax laws apply to individual taxpayers. Additionally, special features inserted throughout the text highlight important concepts, such as new tax laws, IRS rulings, court decisions, filing pointers, and planning strategies.



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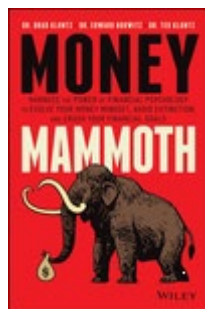
## Money Mammoth

Harness The Power of Financial Psychology to Evolve Your Money Mindset, Avoid Extinction, and Crush Your Financial Goals

BRAD KLONTZ, EDWARD HORWITZ & TED KLONTZ

**A look at the psychological barriers to financial success and how to create a better financial future**

When it comes to our relationship with money, we are in the Stone Age. Despite the relentless barrage of information and warnings from financial experts, the average American is in terrible financial shape. It turns out that human beings are just not wired to do the right things around money--such as saving and not overspending. That's why financial success is so difficult to attain. When it comes to our financial instincts, we are no more evolved than our ancestors who hunted the Woolly Mammoth 400,000 years ago.



Recent findings from the field of *financial psychology* could help the many Americans who know what they need to do but just can't seem to make it happen. If you fall into this category, consider *Money Mammoth: Evolve Your Money Mindset and Avoid Financial Extinction*.

This book looks at financial well-being from a psychological and evolutionary perspective. It reveals the obstacles that prevent people from taking their first critical steps towards financial wellness. It examines how our instincts and beliefs about money influence our financial behaviors. It explores money beliefs, how they develop, and how they drive our money behaviors

In *Money Mammoth*, the authors reveal the secrets to harnessing the power of your psychology to reach your financial goals.

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Personal Finance / Financial Advising

## Starting Your Own Practice

The Independence Guide for Investment Advisors, Attorneys, CPAs and Other Professional Service Providers, 2nd Edition

ROBERT FRAGASSO

In the first edition of *Starting Your Own Practice*, Fragasso provided the blueprint for professionals looking to go into business for themselves, from the decision to break free to the formation process and then to managing the business that was created.

*Starting Your Own Practice, Second Edition* will repeat and refine those steps, incorporating Fragasso's 15 additional years of practical experience and adding more depth on management considerations, transition to business maturity, and eventual profitable business succession. This second edition will also include alternative ideas on how to strike out on one's own, such as licensing of services and infrastructure to make the independence move quicker, easier to assimilate, and less costly.

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PERSONAL FINANCE / FINANCIAL ADVISING

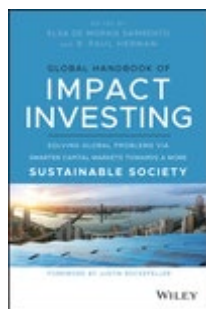
## Global Handbook of Impact Investing

Solving Global Problems Via Smarter Capital Markets Towards A More Sustainable Society

ELSA DE MORAIS SARMENTO & R. PAUL HERMAN

**Discover how to invest your capital to achieve a powerful, lasting impact on the world.**

*The Global Handbook of Impact Investing: Solving Global Problems Via Smarter Capital Markets Towards A More Sustainable Society* is an insightful guide to the growing world-wide movement of Impact Investing. Impact investors seek to realize lasting, beneficial improvements in society by allocating capital to sources of impactful and sustainable profit.



This Handbook is a how-to guide for institutional investors, including family offices, foundations, endowments, governments, and international organizations, as well as academics, students, and everyday investors globally. The Handbook's wide-ranging contributions from around the world make a powerful case for positive impact and profit to fund substantive, lasting solutions that solve critical problems across the world.

While other resources may take a local or limited approach to the subject, this Handbook gathers global knowledge and results from public and private institutions spanning five continents. The authors also make a powerful case for the ability of Impact Investing to lead to substantive and lasting change that addresses critical problems across the world.

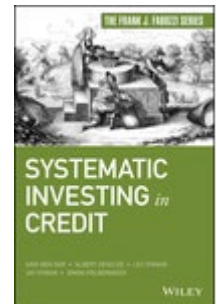
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Investments & Securities

## Systematic Investing in Credit

LEV DYNKIN, ARIK BEN DOR, ALBERT DESCLEE, JAY HYMAN & SIMON POLBENNIKOV

### Praise for **SYSTEMATIC INVESTING in CREDIT**

"Lev and QPS continue to shed light on the most important questions facing credit investors. This book focuses on their latest cutting-edge research into the appropriate role of credit as an asset class, the dynamics of credit benchmarks, and potential ways to benefit from equity information to construct effective credit portfolios. It is must-read material for all serious credit investors."—**Richard Donick**, President and Chief Risk Officer, DCI, LLC, USA



"Lev Dynkin and his team continue to spoil us; this book is yet another example of intuitive, insightful, and pertinent research, which builds on the team's previous research. As such, the relationship with this team is one of the best lifetime learning experiences I have had."—**Eduard van Gelderen**, Chief Investment Officer, Public Sector Pension Investment Board, Canada

"The rise of a systematic approach in credit is a logical extension of the market's evolution and long overdue. Barclays QPS team does a great job of presenting its latest research in a practical manner."—**David Horowitz**, Chief Executive Officer and Chief Investment Officer, Agilon Capital, USA

"Systematization reduces human biases and wasteful reinventing of past solutions. It improves the chances of investing success. This book, by a team of experts, shows you the way. You will gain insights into the advanced methodologies of combining fundamental and market data. I recommend this book for all credit investors."—**Lim Chow Kiat**, Chief Executive Officer, GIC Asset Management, Singapore

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Investments & Securities

## Big Data Science in Finance

IRENE ALDRIDGE & M. AVELLANEDA

**Explains the mathematics, theory, and methods of Big Data as applied to finance and investing**

Data science has fundamentally changed Wall Street--applied mathematics and software code are increasingly driving finance and investment-decision tools. *Big Data Science in Finance* examines the mathematics, theory, and practical use of the revolutionary techniques that are transforming the industry. Designed for mathematically-advanced students and discerning financial practitioners alike, this energizing book presents new, cutting-edge content based on world-class research taught in the leading Financial Mathematics and Engineering programs in the world. Marco Avellaneda, a leader in quantitative finance, and quantitative methodology author Irene Aldridge help readers harness the power of Big Data.



Comprehensive in scope, this book offers in-depth instruction on how to separate signal from noise, how to deal with missing data values, and how to utilize Big Data techniques in decision-making. Key topics include data clustering, data storage optimization, Big Data dynamics, Monte Carlo methods and their applications in Big Data analysis, and more. This valuable book:

- Provides a complete account of Big Data that includes proofs, step-by-step applications, and code samples
- Explains the difference between Principal Component Analysis (PCA) and Singular Value Decomposition (SVD)
- Covers vital topics in the field in a clear, straightforward manner
- Compares, contrasts, and discusses Big Data and Small Data
- Includes Cornell University-tested educational materials such as lesson plans, end-of-chapter questions, and downloadable lecture slides

*Big Data Science in Finance: Mathematics and Applications* is an important, up-to-date resource for students in economics, econometrics, finance, applied mathematics, industrial engineering, and business courses, and for investment managers, quantitative traders, risk and portfolio managers, and other financial practitioners.

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Finance & Investments Special Topics

## Crypto Asset Investing in the Age of Autonomy

JAKE RYAN

Competition, the drive for efficiency, and continuous improvement ultimately push businesses toward automation and later towards autonomy. If a business can operate without human intervention, it will minimize its operational cost. If Uber can remove the expense of a driver with an autonomous vehicle, it will provide its service cheaper than a competitor who can't. If an artificially intelligent trading company can search, find, and take advantage of some arbitrage opportunity, then it can profit where its competitors cannot. A business that can analyze and execute in real-time without needing to wait for a human to act, is a business that will be able to take advantage of brief inefficiencies from other markets or businesses. This trend following a thesis that is based on 100 years of proven economic theory. Short-wave economic cycles, those 5- to 10-year cycles, are driven by credit but the long-wave economic cycles, those 50- to 60-year cycles, are driven by technological revolution. We've had 5 cycles over the past 200 years with the last wave, the Age of Information & Telecommunications.

We've seen evidence that a new cycle has begun. Technological revolutions come by way of a cluster of new innovations. About a decade ago, you started to see AI, robotics and IoT (sensors) delivering on automation. That's been powerful, but not transformational. It does not force businesses to fundamentally change how they do business. The last piece of the puzzle was cryptocurrency because it allows us to process and transfer economic value without human intervention. Soon, there will be a global race to build autonomous operations. Businesses and organizations without autonomous operations simply will not be able to compete with those that do because ... autonomy is the ultimate competitive advantage. Crypto is the mechanism that will accrue value from being the infrastructure for the next digital financial revolution. *Crypto Asset Investing* lays out a case that we've begun a new technological revolution similar to the Internet Age of the 1990's.



FEBRUARY 2021 UnknownPP  
978-1-119-70536-9 CL \$39.95 (Japan)  
Finance & Investments Special Topics

## Liability-Driven Investment

From Analogue to Digital, Pensions to Robo-Advice

DAN TAMMAS-HASTINGS

**Understand the investment template that dominates the pension industry**

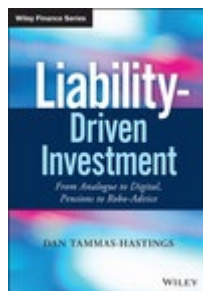
*Liability-Driven Investment* is the practitioner's guide to this increasingly popular investment template. Already the dominant framework for pension schemes in Europe and the UK, the LDI market is expected to grow significantly with the shift from Defined Benefit to Defined Contribution, and then into Digital Asset Management -- or Robo-Advice. With an aging population and significant under-saving globally, more and more finance professionals will need to know how to work within and around the LDI framework; this book provides clear explanations for the framework's usefulness and growing popularity to help practitioners find their bearings in and around the LDI space.

The ultimate goal of LDI is to move beyond simple asset value maximisation and ensure that investors have sufficient funds to pay liabilities. This informative guide digs into that basic premise to show the various mechanisms, guidelines and practices that make up the framework's "working parts."

Finance professionals have long been accustomed to shifting landscapes -- it is taken as a given that prevailing thought and attendant practices will change over time -- but the rapid expansion of LDI has taken many by surprise. Having already been established as the dominant framework for pensions, it is clear that the emphasis on LDI will only continue to grow. *Liability-Driven Investment* tells you what you need to know in order to work effectively with LDI.

SERIES: WILEY FINANCE

FEBRUARY 2021 200PP  
978-1-119-44195-3 CL \$37.50 (Japan)  
Finance & Investments Special Topics



## Restructuring the Hold

Optimizing Private Equity and Portfolio Company Partnerships

THOMAS C. ANDERSON & MARK G. HABNER

**Establishing an effective partnership and achieving improved outcomes for investors and management teams during the hold cycle**

Private equity represents a productive and fast-growing asset class--building businesses, creating jobs, and providing unlimited opportunity for investors and management teams alike, particularly if they know how to work together in candid and effective partnerships. *Restructuring the Hold* demonstrates how investors and managers can best work together to optimize company performance and the associated rewards and opportunities for everyone, not just the investors.

Through brief references to the parable of the Gramm Company, a middle market portfolio company, readers will follow the disappointments and triumphs of a management team experiencing their first hold period under private equity ownership, from the day they get purchased through the day they get sold. *Restructuring the Hold* provides the reader both general knowledge and more detailed better practices and frameworks relating to specific time periods during the hold. With guidance from *Restructuring the Hold*, private equity principals and portfolio company executives can take steps toward greater collaboration and better outcomes. Through updated practices and strong relationships, they can partner effectively to improve portfolio company performance, which will lead to better outcomes for both investors and management teams.



FEBRUARY 2021 368PP  
978-1-119-63518-5 CL \$40.00 (Japan)  
Finance & Investments Special Topics

## 外国語

**An Introduction to TESOL**

Becoming a language teaching professional

KATE REYNOLDS &amp; KENAN DIKILITAS

*Introduction to TESOL: Becoming a language teaching professional* provides a fully rounded overview of the field for students and professionals wanting to explore TESOL for the first time. Connecting linguistic and pedagogical aspects related to the field, in addition to analysing the specializations and niches which need to be understood, this textbook is an essential guide for all looking to enter this applied linguistic discipline. Written in an easy to comprehend manner, this book provides multiple perspectives to build overall knowledge of the field and directs new colleagues so they know where to find resources, how to engage in the profession and how to grow over the course of a career. With a global context in mind, this title presents the differences in TESOL approaches globally and provides a point of comparison across international contexts teaching English as a second language can be otherwise known e.g. ESL, ESOL, EFL, TESL, TEFL.

*Introduction to TESOL: Becoming a language teaching professional* is an essential textbook for students globally who are taking an introductory TESOL course at the BA or MA level, introductory pre-service education courses, TESOL/Applied Linguistics research courses, and professional development courses for in-service educators.

FEBRUARY 2021 UnknownPP  
978-1-119-63269-6 PB \$44.95 (Japan)  
English as a Second Language

## 食品科学

**Sustainable Food Packaging Technology**

EDITOR ATHANASSIA ATHANASSIOU

Towards more sustainable packaging with biodegradable materials!

The combination of the continuously increasing food packaging waste with the non-biodegradable nature of the plastic materials that have a big slice of the packaging market makes it necessary to move towards sustainable packaging for the benefit of the environment and human health. Sustainable packaging is the type of packaging that can provide to food the necessary protection conditions, but at the same time is biodegradable and can be disposed as organic waste to the landfills in order to biodegrade through a natural procedure. In this way, sustainable packaging becomes part of the circular economy.



?Sustainable Food Packaging Technology? deals with packaging solutions that use engineered biopolymers or biocomposites that have suitable physicochemical properties for food contact and protection and originate both from renewable or non-renewable resources, but in both cases are compostable or edible. Modified paper and cardboard with increased protective properties towards food while keeping their compostability are presented as well. The book also covers natural components that can make the packaging functional, e.g., by providing active protection to the food indicating food spoilage.

\* Addresses urgent problems: food packaging creates a lot of hard-to-recycle waste - this book puts forward more sustainable solutions using biodegradable materials

\* State-of-the-art: ?Sustainable Food Packaging Technology? provides knowledge on new developments in functional packaging

\* From lab to large-scale applications: expert authors report on the technology aspects of sustainable packaging

FEBRUARY 2021 432PP  
978-3-527-34556-4 CL \$205.00 (Japan)  
Food Packaging

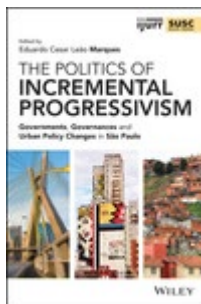
## 地理学

**The Politics of Incremental Progressivism**

Governments, Governances and Urban Policy  
Changes in Sao Paulo

EDUARDO CESAR LE&ATILDE;O MARQUES

*The Politics of Incremental Progressivism* analyzes urban policies in São Paulo - one of the biggest and most complex Southern cities - not only challenging the misconception that large metropolises of the Global South are usually ungovernable, but showing the recent occurrence of progressive change.



- The first detailed and systematic account of the policies and politics that construct, maintain and operate a large Southern metropolis
- Analyzes the policies of bus and subway transportation, traffic control, waste collection, development licensing, public housing and large urban projects, additionally to budgeting, electoral results and government formation and dynamics
- Contains original researches about urban policies in a Southern metropolis, and a theoretical focus that bridges the gap between political science and urban studies
- Contributes to the understanding of how the city is governed, what kinds of policies its governments construct and deliver and, more importantly, under what conditions it produces redistributive change in the direction of policies that reduce its striking social and urban inequalities

SERIES: IJURR STUDIES IN URBAN AND SOCIAL CHANGE BOOK SERIES

FEBRUARY 2021 304PP  
978-1-119-64782-9 CL \$90.00 (Japan)  
978-1-119-64787-4 PB \$34.95 (Japan)  
Human Geography

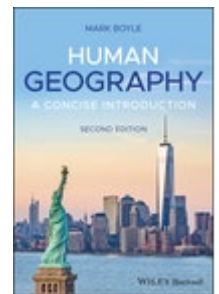
**Human Geography**

A Concise Introduction, 2nd Edition

MARK BOYLE

National University of Ireland, Maynooth

**Revised, Extended, and Extensively Updated Text Uses Historical Geographical and Thematic Approach to Provide Undergraduates with a Firm Foundation in Human Geography**



Drawing on nearly three decades of instructional experience and a wealth of testing pedagogical innovations with students, Professor Mark Boyle has updated and expanded this succinct yet comprehensive introduction to Human Geography. As with the *First Edition*, Boyle follows the premise that "history makes geography," and that the key to studying the principal demographic, social, political, economic, cultural and environmental processes of any region in the world today is to look at how the region affected and still affects the rise, reign, and decline of the West. The book covers key concepts, seminal thinkers, and influential texts in the field. Using a historical geographical framework and attentive to post-colonial concerns reverberating within the discipline, it examines inter-alia the history of human geography, environmental history, and key concerns in economic geography, political geography, social and cultural geography, population geography, development geography, Urban Geography, Society and Nature relations, the geography of migration, Hazards Research, although designed for the beginner student, Boyle does not shy away from ideas and debates often avoided in introductory courses, clearly communicating even sophisticated theory without condescension. In addition, Boyle strives to place Human Geography in its larger academic context, discussing the influence of the field on related areas such as Sociology, Anthropology, Political Science, International Relations, Economics, Regional Studies, Archaeology, Cultural Studies, Environmental Science, and others. Following the precedent set in the *First Edition*, *Human Geography: A Concise Introduction* is an excellent foundational text for undergraduate courses in Human Geography, globalization, urban studies, regional studies, and wider social science programs.

FEBRUARY 2021 384PP  
978-1-119-37471-8 PB \$49.95 (Japan)  
INTRODUCTORY HUMAN GEOGRAPHY

## 公衆衛生

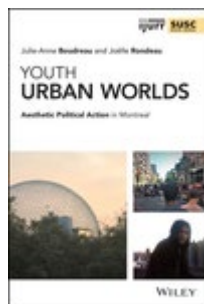
**Youth Urban Worlds**

Aesthetic Political Action in Montreal

JULIE-ANNE BOUDREAU &amp; JOELLE RONDEAU

Both theoretically informed and empirically rich, *Youth Urban Worlds* explores how urban cultures affect political action amongst youth.

- Argues that urban cultures challenge the very meaning and contours of the political process
- Includes ethnographies, delving into the perspectives and knowledges of racialized youth, urban farmers, and "voluntary risk takers," like dumpster divers, building climbers, and student protestors
- Theorizes that aesthetics are an increasingly crucial form of political action in the contemporary urban setting and explains the impact of aesthetics on the political
- Examines the centrality of fun, warmth, aesthetics, and embodiment to these youth's experience of being in the world
- Explains how youth are able to practically and concretely impact the political process through the performance of risky and disruptive behavior



SERIES: IJURR STUDIES IN URBAN AND SOCIAL CHANGE BOOK SERIES

FEBRUARY 2021 272PP  
978-1-119-58222-9 CL \$94.95 (Japan)  
978-1-119-58221-2 PB \$34.95 (Japan)  
Urban Geography

**Cultural Competence in Health Education and Health Promotion**

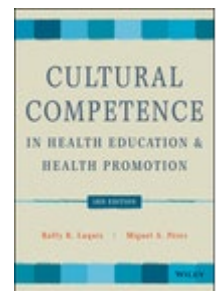
3rd Edition

RAFFY R. LUQUIS &amp; MIGUEL A. PÉREZ

**Learn to manage cultural and ethnic diversity and deliver health education results with this leading resource**

*Cultural Competence in Health Education and Health Promotion, 3rd Edition*

extensively covers a host of crucial topics on the subject of health education and promotion to various cultural and ethnic groups. The authors provide concrete strategies and practical advice for those seeking to maximize the health-related results they achieve from their education efforts.



The significant updates in this newest edition of *Cultural Competence in Health Education and Health Promotion* include:

- Updated and expanded demographic information on select groups based on the most up-to-date census data
- The use of universal design for diverse populations
- Examples of programs to increase health literacy among diverse groups

Including updated case scenarios and new, innovative health programs, the 3<sup>rd</sup> edition of *Cultural Competence in Health Education and Health Promotion* represents an unprecedented leap forward for this already celebrated series. It's perfect for any health educator who deals with an ethnically or culturally diverse population.

SERIES: PUBLIC HEALTH/AAHE

FEBRUARY 2021 UnknownPP  
978-1-119-57847-5 PB \$80.00 (Japan)  
Public Health Behavior & Education

## 歴史

## Occupational Group Therapy

ROSEMARY CROUCH

*Occupational Group Therapy* helps group leaders achieve a higher and more dynamic level of therapeutic intervention, gain a better understanding of foundational concepts and research, and utilise active techniques that have meaningful and lasting effects on their clients. This practical guide encourages readers to use and develop their skills creatively in a range of interventions, including hospital-based work with acutely ill clients, physical acute care, and rehabilitation.



The text presents both the theoretical background and practical applications of occupational group therapy: core skills and concepts, styles of group leadership, clinical and ethical reasoning, and different models of therapy such as the functional group model, the model of human occupation (MOHO), and the occupational therapy interactive group model (OTIGM), alongside warm-up and ice-breaker techniques, role-play exercises, assertiveness and social skills training strategies, guidance on using psychodrama and the therapeutic spiral model (TSM) in group settings, and more.

Written by an esteemed expert with decades of practical experience in the field, with a chapter from Louise Fouché, an accomplished occupational group therapist and developer of OTIGM, and foreword by Professor Emerita Sharon Brintnell, former President of World Federation of Occupational Therapy (WFOT): *Occupational Group Therapy* is a must-have teaching manual and guide for undergraduate and post-graduate occupational therapy students, and for practitioners looking to increase their use of group work as a therapeutic intervention.

FEBRUARY 2021 240PP  
978-1-119-59143-6 PB \$64.99 (Japan)  
Occupational Therapy

## Utopia

## The Influential Classic

SIR THOMAS MORE &amp; SERIES EDITOR TOM BUTLER-BOWDON

Oxford, UK

Sir Thomas More (1477 - 1535) remains one of the most enigmatic thinkers in history, due to the enduring mysteries surrounding his best-known work, *Utopia*.

In his socio-political work, More writes of a traveller's account of a newly discovered island in which the inhabitants share a common culture and way of life. As the traveller describes the harmony, equality, and prosperity of the island, a dramatic contrast is drawn between his imagined community and the very real poverty, crime and political corruption of 16th century Europe.

In *Utopia*, More explores topics such as crime, punishment, education, multi-religion societies, divorce, euthanasia and women's rights, making the book as relevant today as it was 500 years ago.

Part of the bestselling Capstone Classics Series edited by Tom Butler-Bowdon, this attractive, high-quality edition also features an introduction from writer, economist and historian, Niall Kishtainy.

SERIES: CAPSTONE CLASSICS

FEBRUARY 2021 220PP  
978-1-119-75438-1 CL \$12.99 (Japan)  
Ancient & Classical History

## エンジニアリング

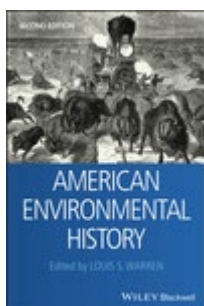
**American Environmental History**

2nd Edition

LOUIS S. WARREN

University of California at Davis

The thoroughly revised and newly updated Second Edition of *American Environmental History* delivers a comprehensive exploration of how the peoples of the United States have perceived, and made changes to, the natural world around them. It also describes how nature has changed in response to humanity, from the pre-Columbian era to the present, and how Americans have fought with one another over how best to live in the earth's natural systems. Accomplished professor and author Louis Warren offers readers examinations of crucial topics, including Native American landscapes and relations with nature, virgin soil epidemics, colonial invasion, American slavery through environmental history and the nexus of race and environmental peril, market economies and the destruction of bison, passenger pigeons, whales, and other creatures, industrial development and its hazards, urbanization and calls for pollution control, conservation in the Progressive Era, wilderness and national parks, the rise of environmentalism, the birth of the environmental justice movement, consumerism and its environmental impact, the conservative backlash against environmentalism, and histories of ozone depletion, acid rain, overpopulation, and climate change. This book invites readers to weigh the distinctive experiences of different people--white, Black, and Native American--to environmental change and environmental threats from the colonial period to COVID-19. You'll benefit from an insightful editorial introduction to each chapter, as well as interpretive interventions that add scholarly value to each reading and document. The author includes selections from amongst the most exciting scholarship and seminal essays on the subject of environmental history in the United States.



SERIES: WILEY BLACKWELL READERS IN AMERICAN SOCIAL AND CULTURAL HISTORY

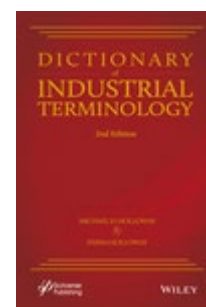
FEBRUARY 2021 UnknownPP  
978-1-4443-3939-0 PB \$58.25 (Japan)  
HISTORY OF SCIENCE & MEDICINE

**Dictionary of Industrial Terminology**

2nd Edition

MICHAEL D. HOLLOWAY &amp; EMMA HOLLOWAY

This is the most comprehensive dictionary of maintenance and reliability terms ever compiled, covering the process, manufacturing, and other related industries, every major area of engineering used in industry, and more. The over 15,000 entries are all alphabetically arranged and include special features to encourage usage and understanding. They are supplemented by hundreds of figures and tables that clearly demonstrate the principles & concepts behind important process control, instrumentation, reliability, machinery, asset management, lubrication, corrosion, and much much more.

**With contributions by leading researchers in the field:**

Zaki Yamani Bin Zakaria Department, Chemical Engineering, Faculty Universiti Teknologi Malaysia, Malaysia Prof. Jelenka B. Savkovic-Stevanovic, Chemical Engineering Dept, University of Belgrade, Serbia Jim Drago, PE, Garlock an EnPro Industries family of companies, USA Robert Perez, President of Pumpcalcs, USA Luiz Alberto Verri, Independent Consultatnt, Verri Veritatis Consultoria, Brasil Matt Tones, Garlock an EnPro Industries family of companies, USA Dr. Reza Javaherdashti, formerly with Qatar University, Doha-Qatar Prof. Semra Bilgic, Faculty of Sciences, Department of Physical Chemistry, Ankara University, Turkey Dr. Mazura Jusoh , Chemical Engineering Department, Universiti Teknologi Malaysia Jayesh Ramesh Tekchandaney, Unique Mixers and Furnaces Pvt. Ltd. Dr. Henry Tan, Senior Lecturer in Safety & Reliability Engineering, and Subsea Engineering, School of Engineering, University of Aberdeen Fiddoson Fiddo, School of Engineering, University of Aberdeen Prof. Roy Johnsen, NTNU, Norway Prof. N. Sitaram , Thermal Turbomachines Laboratory, Department of Mechanical Engineering, IIT Madras, Chennai India Ghazaleh Mohammadali, IranOilGas Network Members' Services Greg Livelli, ABB Instrumentation, Warminster, Pennsylvania, USA Gas Processors Suppliers Association (GPSA)

FEBRUARY 2021 1456PP  
978-1-119-36344-6 CL \$259.00  
GENERAL & INTRODUCTORY INDUSTRIAL ENGINEERING

## 法律

## The Encyclopedia of Research Methods in Criminology and Criminal Justice

EDITOR C. J. BARNES & EDITOR DAVID R. FORDE

**The most comprehensive reference work on research designs and methods in criminology and criminal justice**

This *Encyclopedia of Research Methods in Criminology and Criminal Justice* offers a comprehensive survey of research methodologies and statistical techniques that are popular in criminology and criminal justice systems across the globe. With contributions from leading scholars and practitioners in the field, it offers a clear insight into the techniques that are currently in use to answer the pressing questions in criminology and criminal justice.



The *Encyclopedia* contains essential information from a diverse pool of authors about research designs grounded in both qualitative and quantitative approaches. It includes information on popular datasets and leading resources of government statistics. In addition, the contributors cover a wide-range of topics such as: the most current research on the link between guns and crime, rational choice theory, and the use of technology like geospatial mapping as a crime reduction tool. This invaluable reference work:

- Offers a comprehensive survey of international research designs, methods, and statistical techniques
- Includes contributions from leading figures in the field
- Contains data on criminology and criminal justice from Cambridge to Chicago
- Presents information on capital punishment, domestic violence, crime science, and much more
- Helps us to better understand, explain, and prevent crime

Written for undergraduate students, graduate students, and researchers, *The Encyclopedia of Research Methods in Criminology and Criminal Justice* is the first reference work of its kind to offer a comprehensive review of this important topic.

SERIES: THE WILEY SERIES OF ENCYCLOPEDIAS IN CRIMINOLOGY & CRIMINAL JUSTICE

FEBRUARY 2021 UnknownPP  
978-1-119-11072-9 CL \$800.00 (Japan) SD  
Criminology

## ライフスタイル

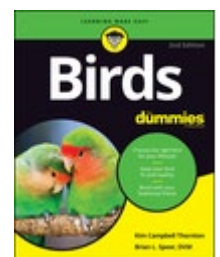
## Birds For Dummies

2nd Edition

KIM THORNTON & BRIAN L. SPEER

**Your one-stop guide to caring for your avian companion**

Pet birds are intelligent, affectionate, and rewarding companions. No matter what bird you choose, you need to set up a happy home for him with the right stuff. You also need to keep your bird healthy by performing routine care and knowing what a healthy bird looks like and how he behaves.



This friendly guide describes the birds that make the best pets, explains how to select the bird that's best for you, offers tips on bonding with your feathered friend, and provides expert advice on feeding and environmental enrichment that will keep these intelligent pets engaged.

- Benefit from a full-color guide to pet birds
- Choose the right bird based on your budget and lifestyle
- Create a bird-friendly environment that minimizes noise and mess
- Bond with your winged pet

If you're ready for your love of birds to take flight, this book has everything you need.

FEBRUARY 2021 UnknownPP  
978-1-119-64322-7 PB \$22.99 (Japan)  
PET CARE / BIRDS

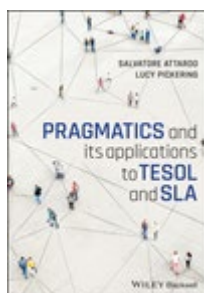
## 言語学

## Pragmatics and its applications to TESOL and SLA

SALVATORE ATTARDO & LUCY PICKERING

**A concise introduction to the field of theoretical pragmatics and its applications in second language acquisition and English-language instruction**

*Pragmatics and its Applications to TESOL and SLA* offers an in-depth description of key areas of linguistic pragmatics and a review of how those topics can be applied to pedagogy in the fields of second language acquisition (SLA) and teaching English to speakers of other languages (TESOL). This book is an excellent resource for students and professionals who have an interest in teaching pragmatics (speech acts, the cooperative principle, deixis, politeness theory, and more) in second language contexts.



This book introduces technical terminology and concepts—including the fundamentals of semantics and semiotics—in simple language, and it provides illuminating examples, making it an excellent choice for readers with an elementary linguistics background who wish to further their knowledge of pragmatics. It also covers more advanced pragmatics topics, including stance, indexicality, and pragmatic appropriateness.

*Pragmatics and its Applications to TESOL and SLA* is a comprehensive and coherent introduction, perfect for students, researchers, and scholars of pragmatics, second language acquisition, language teaching, and intercultural communication. It is also an excellent resource for professionals in the field of English-language education.

FEBRUARY 2021 252PP  
978-1-119-55425-7 PB \$45.00 (Japan)  
Pragmatics

## The Handbook of Language and Speech Disorders

2nd Edition

EDITOR JACK DAMICO, NICOLE MULLER & EDITOR MARTIN J. BALL

University of Louisiana at Lafayette, USA; University of Ulster

*The Handbook of Speech and Language Disorders* has been extensively updated and refocused to present a comprehensive survey of the latest research in communication disorders.

Reflecting the rapid advances in the field, the second edition of this authoritative *Handbook* features in-depth coverage of the major disorders of language and speech. Accessibly structured into four sections, 26 contributions from leading experts explore current issues, landmark studies, and the main topics and themes in the fields of communication sciences and disorders. A series of foundational chapters covers a variety of important general principles irrespective of specific disorders. These chapters focus on such topics as labeling, diversity considerations, intelligibility, and principles of assessment and intervention.

With an extraordinary breadth and depth of coverage in the most crucial aspects of this growing field, *The Handbook of Speech and Language Disorders*, Second Edition, continues to be an invaluable guide for clinicians and researchers, and a rich source of information for students in speech-language pathology, linguistics, psychology and education.



SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

FEBRUARY 2021 752PP  
978-1-119-60696-3 CL \$170.00 (Japan)  
SPEECH SCIENCE

## ライフサイエンス

**An Introduction to Molecular Biotechnology**

Fundamentals, Methods and Applications

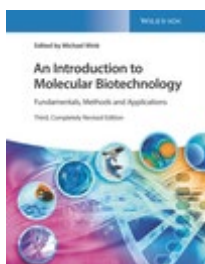
3rd Edition

MICHAEL WINK

Universitat Heidelberg

Completely updated in line with the rapid progress made in the field, this new edition of the highly-praised textbook addresses powerful new methods and concepts in biotechnology, such as genome editing, reprogrammed stem cells, and personalized medicine. An introduction to the fundamentals in molecular and cell biology is followed by a description of standard techniques, including purification and analysis of biomolecules, cloning techniques, gene expression systems, genome editing methods, labeling of proteins and in situ-techniques, standard and high resolution microscopy. The third part focuses on key areas in research and application, ranging from functional genomics, proteomics and bioinformatics to drug targeting, recombinant antibodies and systems biology. The final part looks at the biotechnology industry, explaining intellectual property issues, legal frameworks for pharmaceutical products and the interplay between start-up and larger companies. The contents are beautifully illustrated throughout, with hundreds of full color diagrams and photographs.

Provides students and professionals in life sciences, pharmacy and biochemistry with everything they need to know about molecular biotechnology.

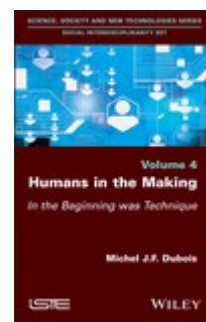
**Becoming Human**

In the Beginning was Technique

MICHEL DUBOIS

The human specificity can be described by verticality/bipedalism, technique use, articulated language, high cognitive capacities, complex society at three levels: body, mind, social. In this book, is proposed an evolutionary process that make better understand how such humanity could have emerged in the long time (more than 6 million years).

The process is based on a very early necessity to use technic for surviving correlated with neoteny which impulsed a darwinian evolutionary process, with four distinguished punctuation described as neotenizations.



FEBRUARY 2021 272PP  
978-1-78630-584-8 CL \$155.00 (Japan)  
Human Evolution

FEBRUARY 2021 556PP 978-3-527-34414-7 PB \$102.23 (Japan)  
BIOTECHNOLOGY (LIFE SCIENCES)

## Cyanobacteria biotechnology

EDITOR PAUL HUDSON, SERIES EDITOR SANG YUP LEE, SERIES  
EDITOR JENS NIELSEN & SERIES EDITOR GREGORY  
STEPHANOPOULOS

KAIST, Daejeon, Republic of Korea; Center for Microbial  
Biotechnology; Massachusetts Institute of Technology, USA

The book will guide the reader through the interesting and useful aspects of cyanobacteria metabolism but will keep true to a biotechnology vision. Chapters will explain biological phenomenon concisely, with some brief history and landmark findings. Then, focus should shift to salient examples of how this metabolic "module" is being engineered or could be engineered in the future. Importantly, I want chapters to list or describe future objectives that must be reached in a future industrial application (when appropriate).

SERIES: ADVANCED BIOTECHNOLOGY

FEBRUARY 2021 450PP  
978-3-527-34714-8 CL \$170.16 (Japan)  
Microbiology & Virology

## Fermentation Processes: Emerging and Conventional Technologies

EDITOR MOHAMED KOUBAA, EDITOR FRANCISCO BARBA &  
EDITOR SHAHIN ROOHINEJAD

*Fermentation Processes: Emerging and Conventional Technologies* is

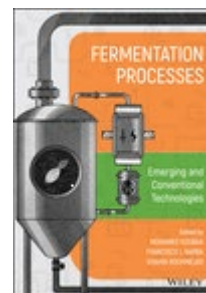
focused on enhancing fermentation processes under conventional and non-conventional conditions.

The application of emerging technologies (e.g. ultrasounds, pulsed electric fields, microwaves, etc.) to increase the accessibility and bioavailability of the substrates

by microorganisms during fermentation has been demonstrated

through numerous research works. These technologies have the advantages over conventional ones (e.g. grinding) of consuming less energy, reducing the processing time, along with using less and "green" solvents. Increasing the accessibility of the substrates has as a consequence an improved availability for the microorganisms and therefore enhanced productivity. The application of these non-conventional (emerging) technologies could be at sub-lethal levels before (inoculum) or during the fermentation process, also called as microbial stimulation, which increases the assimilation of substrates, release of enzymes in the medium for substrate hydrolysis, and other benefits. All

together, lead to promote the microbial growth, and enhance the fermentation process. In addition to the application of emerging technologies, enhancing fermentation at conventional conditions by changing the medium composition, processing parameters, etc. are also discussed.



FEBRUARY 2021 324PP  
978-1-119-50585-3 CL \$190.00 (Japan)  
Applied Microbiology

## Soil Bioremediation

### An Approach Towards Sustainable Technology

EDITOR JAVID A. PARRAY, EDITOR ABEER HASHEM & EDITOR RIYAZ SAYYED

This book will discuss the effective and sustainable technological approaches for remediation of contaminants via eco-friendly usage of microbes. The primary focus will be on the role of microbes, particularly bacteria and fungi, for the degradation and removal of various xenobiotic substances in the environment.

The book will also emphasize molecular approaches and biosynthetic pathways of microbes, and present gene and protein expression studies for bio-deterioration techniques. New innovative and sophisticated green technologies for waste minimization and waste control will be presented, as well as the potential of microbes for various techniques of bioremediation, including bio-sorption, bio-augmentation, bio-stimulation, to clean contaminated environments.

FEBRUARY 2021 480PP  
978-1-119-54795-2 CL \$175.00 (Japan)  
Applied Microbiology

## Genome Engineering for Crop Improvement

EDITOR SANTOSH UPADHYAY

In recent years, significant advancements have been made in the management of nutritional deficiency using genome engineering--enriching the nutritional properties of agricultural and horticultural crop plants such as wheat, rice, potatoes, grapes, and bananas. To meet the demands of the rapidly growing world population, researchers are developing a range of new genome engineering tools and strategies, from increasing the nutraceuticals in cereals and fruits, to decreasing the anti-nutrients in crop plants to improve the bioavailability of minerals and vitamins.



*Genome Engineering for Crop Improvement* provides an up-to-date view of the use of genome editing for crop bio-fortification, improved bioavailability of minerals and nutrients, and enhanced hypo-allergenicity and hypo-immunogenicity. This volume examines a diversity of important topics including mineral and nutrient localization, metabolic engineering of carotenoids and flavonoids, genome engineering of zero calorie potatoes and allergen-free grains, engineering for stress resistance in crop plants, and more. Helping readers deepen their knowledge of the application of genome engineering in crop improvement, this book:

- Presents genetic engineering methods for developing edible oil crops, mineral translocation in grains, increased flavonoids in tomatoes, and cereals with enriched iron bioavailability
- Describes current genome engineering methods and the distribution of nutritional and mineral composition in important crop plants
- Offers perspectives on emerging technologies and the future of genome engineering in agriculture

FEBRUARY 2021 448PP  
978-1-119-67236-4 CL \$190.00 (Japan)  
Plant Molecular Biology

## 文学

## Modern Literature

ROD MENGHAM

SERIES: POLITY CULTURAL HISTORY OF LITERATURE SERIES

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 20th Century English Literature

## 数学

## Linear Algebra

Ideas and Applications, 5th Edition

RICHARD C. PENNEY, WEST LAFAYETTE, UNITED STATES

Purdue University

**Learn foundational and advanced topics  
 in linear algebra with this concise and  
 approachable resource**

A comprehensive introduction, *Linear Algebra: Ideas and Applications, Fifth Edition* provides a discussion of the theory and applications of linear algebra that blends abstract and computational concepts. With a focus on the development of mathematical intuition, the book emphasizes the need to understand both the applications of a particular technique and the mathematical ideas underlying the technique.



The book introduces each new concept in the context of explicit numerical examples, which allows the abstract concepts to grow organically out of the necessity to solve specific problems. The intuitive discussions are consistently followed by rigorous statements of results and proofs. *Linear Algebra: Ideas and Applications, Fifth Edition* also features:

- A new application section on section on Google's Page Rank Algorithm.
- A new application section on pricing long term health insurance at a Continuing Care Retirement Community (CCRC).
- Many other illuminating applications of linear algebra with self-study questions for additional study.
- End-of-chapter summaries and sections with true-false questions to aid readers with further comprehension of the presented material
- Numerous computer exercises throughout using MATLAB® code

*Linear Algebra: Ideas and Applications, Fifth Edition* is an excellent undergraduate-level textbook for one or two semester undergraduate courses in mathematics, science, computer science, and engineering. With an emphasis on intuition development, the book is also an ideal self-study reference.

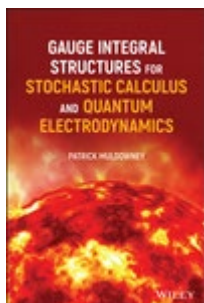
FEBRUARY 2021 528PP  
 978-1-119-65692-0 CL \$125.00 (Japan)  
 Linear Algebra

## Gauge Integral Structures for Stochastic Calculus and Quantum Electrodynamics

PATRICK MULDOWNNEY

University of Ulster

FEBRUARY 2021 UnknownPP  
978-1-119-59549-6 CL \$125.00 (Japan)  
Business & Finance



## Multi-parametric Optimization and Control

EFSTRATIOS N. PISTIKOPOULOS, NIKOLAOS DIANGELAKIS &  
RICHARD OBERDIECK

Imperial College London, Department of Chemical  
Engineering, London, United Kingdom

*Multi-Parametric Optimization and Control* provides comprehensive coverage of recent methodological developments for optimal model-based control through parametric optimization. It also shares real-world research applications to support deeper understanding of the material.

Researchers and practitioners can use the book as reference. It is also suitable as a primary or a supplementary textbook. Each chapter looks at the theories related to a topic along with a relevant case study. Topic complexity increases gradually as readers progress through the chapters. The first part of the book presents an overview of the state-of-the-art multi-parametric optimization theory and algorithms in multi-parametric programming. The second examines the connection between multi-parametric programming and model-predictive control—from the linear quadratic regulator over hybrid systems to periodic systems and robust control.

The third part of the book addresses multi-parametric optimization in process systems engineering. A step-by-step procedure is introduced for embedding the programming within the system engineering, which leads the reader into the topic of the PAROC framework and software platform. PAROC is an integrated framework and platform for the optimization and advanced model-based control of process systems.



SERIES: WILEY SERIES IN OPERATIONS RESEARCH AND  
MANAGEMENT SCIENCE

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Optimization

## メディカル・サイエンス

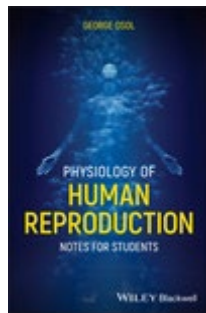
**Physiology of Human Reproduction**

## Notes for Students

GEORGE OSOL

*Physiology of Human*

*Reproduction* provides students with a concise and accessible overview of more than 200 vital concepts, from the basic physiology of the male and the nonpregnant female, to fertilization, embryonic and fetal growth, labor, lactation, and more. Presented in a readable style, key terms are highlighted throughout the main text to enable students to quickly find a concept and read the appropriate information.



Whether reading the book from cover to cover, or using a focused approach to learn about specific concepts, readers will find this textbook to be an invaluable tool for increasing their understanding of human reproduction. An essential companion for standard Anatomy and Physiology courses, this student-friendly textbook:

- Covers physiology of the male, the physiology of the nonpregnant female, pregnancy and lactation, and age-related changes such as menopause
- Discusses pregnancy, birth control, and the reproductive system in childhood, adolescence, and puberty
- Describes the anatomy, physiology, and phases of the human sexual response
- Explains genetic conditions and disorders including androgen insensitivity syndrome and Kallman's syndrome

*Physiology of Human Reproduction* is a must-have learning guide for students in the medical and life sciences, including medicine, nursing, biology, physiology, and biomedicine, as well as those in courses covering human reproduction and pregnancy.

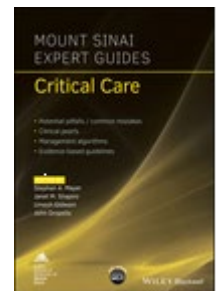
FEBRUARY 2021 120PP  
978-1-119-60958-2 PB \$37.50 (Japan)  
Physiology

**Mount Sinai Expert Guides**

## Critical Care

EDITOR STEPHAN A. MAYER, EDITOR JANET M. SHAPIRO, EDITOR  
UMESH GIDWANI & EDITOR JOHN OROPELLO

Part of the Mount Sinai Expert Guide series, this outstanding book provides rapid-access, clinical information on all aspects of Critical Care with a focus on clinical diagnosis and effective patient management. With strong focus on the very best in multidisciplinary patient care, it is the ideal point of care consultation tool for the busy physician.



## SERIES: MOUNT SINAI EXPERT GUIDES

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Emergency Medicine & Trauma

## Clinical Pancreatology for Practicing Gastroenterologists and Surgeons

2nd Edition

JUAN ENRIQUE DOMINGUEZ MUÑOZ

Since the first edition of *Clinical Pancreatology for Practising Gastroenterologists and Surgeons* was first published sixteen years ago, the knowledge and clinical management of pancreatic diseases have developed markedly. Thanks to the development of translational research and the "from bench to bedside" concept, much progress from the lab has been applied to clinical practice. Additionally, several highly relevant clinical trials published over the last decade have resulted in the updating and optimisation of clinical guidelines. A new and validated classification of the severity and complications of acute pancreatitis that is firmly rooted in clinical practice has become the basis for the development of minimally invasive approaches to pancreatic necrosis. The etiopathogenic knowledge of chronic pancreatitis and other pancreatopathies, like that associated with diabetes mellitus, has developed significantly. Increased study of cystic pancreatic tumours, which has been reflected in the publication of several guidelines and consensus reports over the last few years, is especially important. Most research efforts have focused on pancreatic cancer, which have led and will further lead to a significant increase in the therapeutic armamentarium against this devastating disease. Finally, many newly published studies have changed the concept, causes, clinical relevance, diagnosis and treatment of exocrine pancreatic insufficiency. Updates based on these developments and more are included in the new edition of *Clinical Pancreatology for Practising Gastroenterologists and Surgeons*. This new edition of *Clinical Pancreatology for Practising Gastroenterologists and Surgeons* is a result of the collaboration between the world's leading experts in each area of clinical pancreatology, with the aim of facilitating gastroenterologists, surgeons, oncologists, internists, nutritionists, diabetologists, paediatricians, radiologists, pathologists and other specialists in their daily clinical practice. This book is an indispensable update providing leading knowledge in clinical pancreatology.



## Practical Pediatric Gastrointestinal Endoscopy

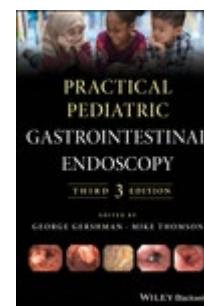
3rd Edition

GEORGE GERSHMAN & MIKE THOMSON

David Geffen School of Medicine at UCLA; University of Sheffield, Sheffield, UK

**The reference text for all those practicing diagnostic and therapeutic pediatric endoscopy -- trainees, trainers, specialist endoscopists, gastroenterologists and hepatologists alike.**

*Practical Pediatric Gastrointestinal Endoscopy, 3rd Edition* provides a comprehensive and up-to-date exploration for the performance of endoscopy in infants, children and young adults. Written in the form of a complete "how to" manual and filled with step-by-step instructions, this book seeks to bring newcomers to the field of pediatric gastrointestinal endoscopy quickly up to speed. The book is also highly useful for experienced specialist endoscopists and gastroenterologists to brush up on best practice in standard techniques and explore advanced topics in the field.



This guide is becoming an essential companion for those of us providing diagnostic and therapeutic endoscopy for children in the world today and opens the door to future possibilities in this ever-evolving field.

FEBRUARY 2021 254PP  
978-1-119-42345-4 CL \$125.00 (Japan)  
GASTROENTEROLOGY

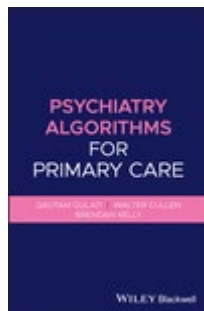
FEBRUARY 2021 640PP  
978-1-119-57007-3 CL \$260.00 (Japan)  
Gastroenterology

## Psychiatry Algorithms for Primary Care

GAUTAM GULATI, WALTER CULLEN & BRENDAN KELLY

University of Oxford and Oxford Health NHS Foundation Trust

*Psychiatry Algorithms for Primary Care* is a practical, quick reference guide to psychiatric assessment and mental healthcare in general practice. Providing algorithms informed by evidence-based guidelines, this easy-to-use resource helps busy medical and healthcare professionals quickly assess mental health problems, make informed treatment decisions, and understand when referrals to specialist mental health services are appropriate. Drawing from their extensive experience in general practice and psychiatry, the authors provide clear and authoritative guidance on a wide range of common psychiatric disorders, complex scenarios, and special considerations.



Unique visual management algorithms define assessment, diagnosis, investigations and management for each condition, including Bipolar Affective Disorder, Psychosis, Depression, Dementia, and Attention Deficit Hyperactivity Disorder. Up-to-date information on medication choices and counselling strategies is found throughout the text.

*Psychiatry Algorithms for Primary Care* is a much-needed resource for medical students and trainees, physicians and healthcare professionals in general practice, nurse practitioners, and practitioners in other fields such as urgent care and emergency medicine.

FEBRUARY 2021 160PP  
978-1-119-65356-1 PB \$45.00 (Japan)  
General & Internal Medicine

## Transfusion Medicine Paper

JEFFREY MCCULLOUGH

University of Minnesota School of Medicine

FEBRUARY 2021 576PP  
978-1-119-59953-1 PB \$125.00 (Japan)  
HEMATOLOGY

## Foot Surgery Viewed Through the Prism of Comparative Anatomy

From Normal to Useful

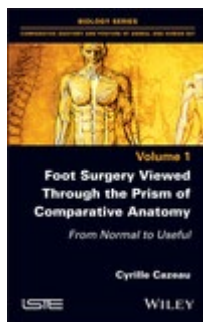
CYRILLE CAZEAU

Comparative anatomy helps to define among surgical procedures, those that are able to restore early walking function using really useful structures, without necessarily respecting the normal anatomy. This book proposes an original vision based on the following ideas :

\* The cure is complete only if it occurs quickly, which is vital for vulnerable patients.

\*The surgical goal isn't the anatomical restitution ad integrum, but to restore the function, that of the permanent terrestrial human bipedalism. To identify it, put it back into its evolutionary context and compare it to the anatomo-functional models of our closest relatives, the great apes.

\*Achieving this dual objective through new surgical techniques (percutaneous and minimally invasive), associated with biomechanical data for immediate and total support.



FEBRUARY 2021 208PP  
978-1-78630-604-3 CL \$165.00 (Japan)  
Surgery & Surgical Specialties

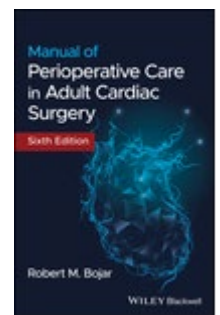
## Manual of Perioperative Care in Adult Cardiac Surgery

6th Edition

ROBERT M. BOJAR

Associate Professor of Cardiothoracic Surgery, Tufts University School of Medicine; Chief of Cardiothoracic Surgery, St. Vincent Hospital, Worcester; Senior Cardiothoracic Surgeon, Division of Cardiothoracic Surgery, New England Medical Center, Boston

Now in its sixth edition, Robert M. Bojar's *"Manual of Perioperative Care in Adult Cardiac Surgery"* remains the go-to practical guide for all of those involved in the care of the cardiac surgery patient. Written in outline format, it provides a comprehensive, detailed, and clearly explained review of cardiac surgical disease and perioperative management that is of value to practicing cardiac surgeons as well as to cardiologists, residents, fellows, advanced practice providers, critical care and floor nurses, perfusionists, and medical students.



Extensively rewritten with updated references to incorporate the latest concepts, guidelines, protocols, and medications used in cardiac surgical practice, this classic text retains the pragmatic features that have made it the gold standard reference that clinicians have used worldwide for the past 30 years.

### Praise for the fifth edition:

"Surgeons are frequently asked to recommend a text that can be used to guide the care of their patients. This comprehensive text is the standard by which any other text should be judged."—*Critical Care Medicine*

"It remains a classic and a must have for anyone involved in cardiac surgery."—*Perfusion.com*

FEBRUARY 2021 880PP  
978-1-119-58255-7 PB \$80.00 (Japan)  
CARDIAC SURGERY

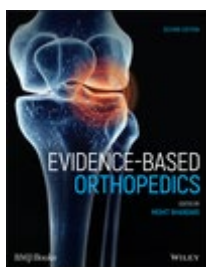
## Evidence-Based Orthopedics

2nd Edition

MOHIT BHANDARI

McMaster University, Hamilton, Ontario

*Evidence-Based Orthopedics* is an up-to-date review of the best evidence for the diagnosis, management, and treatment of orthopedic conditions. Covering orthopedic surgery as well as pre- and post-operative complications, this comprehensive guide provides recommendations for implementing evidence-based practice in the clinical setting. Chapters written by leading clinicians and researchers in the field are supported by tables of evidence that summarize systematic reviews and randomized controlled trials. In areas where evidence is insufficient to recommend a practice, summaries of the available research are provided to assist in decision-making.



This fully revised new edition reflects the most recent evidence using the approved evidence-based medicine (EBM) guidelines and methodology. The text now places greater emphasis on GRADE--a transparent framework for developing and presenting summaries of evidence--to allow readers to easily evaluate the quality of evidence and the strength of recommendations. The second edition offers a streamlined presentation and an improved standardized format emphasizing how evidence in each chapter directly affects clinical decisions.

*Evidence-Based Orthopedics* is an invaluable resource for orthopedic specialists, surgeons, trauma surgeons, trainees, and medical students.

SERIES: EVIDENCE-BASED MEDICINE

FEBRUARY 2021 1216PP  
978-1-119-41400-1 CL \$299.95 (Japan)  
ORTHOPEDICS

## Outpatient Urology and Urogynecology

EDITOR ABHAY RANE & EDITOR AJAY RANE

FEBRUARY 2021 244PP  
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Urology

## 機械工学

**Product Realization**

Going from One to a Million

ANNA C. THORNTON

Analytics Operations Engineering, MA

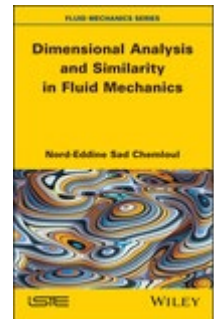
Most of the literature on product realization is scattered in blogs, individual chapters of books, and internal company documents. Until now, there has been no single text that covers the whole launch process from end-to-end. The challenge of product realization is the interactions between the various activities and deliverables. Product Realization is based on first-hand experience with many companies comprising different sizes, technologies, and product development timelines. This book brings together fundamental theories and product development tools with the reality of what it takes to work in industry. Includes examples and stories from industry to illustrate and bring the material alive.

FEBRUARY 2021 496PP  
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Mechanical Engineering - Design

**Dimensional Analysis and Similarity in Fluid Mechanics**

SAD CHEMLOUL

FEBRUARY 2021 240PP  
978-1-78630-596-1 CL \$145.00 (Japan)  
Fluid Mechanics



## Two-Phase Heat Transfer

MIZRA MOHAMMED SHAH

This book is primarily intended for design and development engineers. The emphasis of this book is therefore on information which is of practical use. For this reason, theories and methods which do not provide useable solutions are dealt only briefly though sufficient references are provided for more information about them. Effort is made to provide the best available information for the design of heat exchangers in a clear and concise manner. This information includes experimental data, theoretical solutions, and empirical correlations. Accuracy and range of applicability of formulas/correlations presented is stated. Clear recommendations are made for application of the methods presented. The proposed book is on heat transfer in two-phase systems. These include boiling, condensation, gas-liquid mixtures, and gas-solid mixtures. Two-phase heat transfer is involved in numerous applications. These include heat exchangers in refrigeration and air conditioning, conventional and nuclear power generation, solar power plants, aeronautics, chemical processes, petroleum industry, etc. In recent years, there has been increasing use of miniature heat exchangers for computers and other electronic intensive products.



SERIES: WILEY-ASME PRESS SERIES

FEBRUARY 2021 250PP  
978-1-119-61861-4 CL \$135.00 (Japan)  
Fluid Mechanics

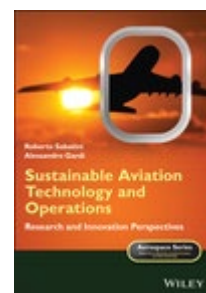
## Sustainable Aviation Technology and Operations

Research and Innovation Perspectives

ROBERTO SABATINI

RMIT University, Australia

*Sustainable Aviation Engineering and Operations* provides an updated outlook of the main research and development initiatives currently ongoing in the aeronautics and air transport domain, with emphasis on the overall environmental objectives and current achievements.



The book discusses some of the most promising advances in sustainable aircraft, airport and air traffic management systems design and operations including: aerodynamics, propulsion, structures, materials, biofuels, avionics, airframe systems, autonomous systems, airside and landside, air traffic flow management and dynamic airspace management. Representative air transport business models are also covered, starting from operational cost breakdown analysis and including key drivers associated with commercial flight. The physical processes associated with production and environmental impacts of various aircraft emissions, including air pollutants, noise and contrails, are presented to support the development of computational models for aircraft design, mission planning and trajectory optimisation.

A set of relevant case studies concludes and complements the book, addressing aircraft design, systems design and mission optimisation for a more efficient and environmentally sustainable air transport.

The book is essential reading for students, researchers and practitioners in sustainable aviation engineering and operations.

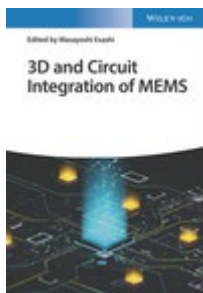
SERIES: AEROSPACE SERIES

FEBRUARY 2021 550PP  
978-1-118-93258-2 CL \$115.00 (Japan)  
Aeronautic & Aerospace Engineering

## 3D and Circuit Integration of MEMS

MASAYOSHI ESASHI

This book introduces technologies for microsystem packaging and heterogeneous integration comprehensively and systematically. It focuses on the silicon MEMS which have been used in large volume and the technologies concerning system integration. The topics include bulk micromachining, surface micromachining, CMOS-MEMS, wafer Interconnection, Wafer bonding and Sealing.



FEBRUARY 2021 840PP  
978-3-527-34647-9 CL \$445.00 (Japan)  
Electronic Materials

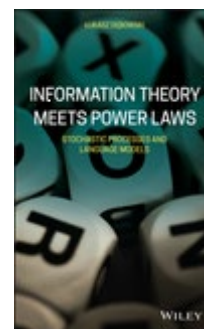
## Information Theory Meets Power Laws

Stochastic Processes and Language Models

LUKASZ DEBOWSKI

**Discover new theoretical connections between stochastic phenomena and the structure of natural language with this powerful volume!**

*Information Theory Meets Power Laws: Stochastic Processes and Language Models* presents readers with a novel subtype of a probabilistic approach to language, which is based on statistical laws of texts and their analysis by means of information theory. The distinguished author insightfully and rigorously examines the linguistic and mathematical subject matter while eschewing needlessly abstract and superfluous constructions.



The book begins with a less formal treatment of its subjects in the first chapter, introducing its concepts to readers without mathematical training and allowing those unfamiliar with linguistics to learn the book's motivations. Despite its inherent complexity, *Information Theory Meets Power Laws: Stochastic Processes and Language Models* is a surprisingly approachable treatment of idealized mathematical models of human language.

The author succeeds in developing some of the theory underlying fundamental stochastic and semantic phenomena, like strong nonergodicity, in a way that has not previously been seriously attempted. In doing so, he covers topics including:

Written primarily for mathematics graduate students and professionals interested in information theory or discrete stochastic processes, *Information Theory Meets Power Laws: Stochastic Processes and Language Models* also belongs on the bookshelves of doctoral students and researchers in artificial intelligence, computational and quantitative linguistics as well as physics of complex systems.

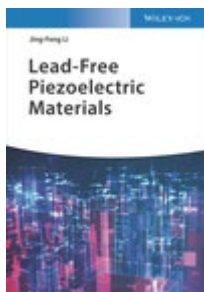
FEBRUARY 2021 384PP  
978-1-119-62527-8 CL \$115.00 (Japan)  
Theory, Modeling & Simulation

## 材料科学

## Lead-Free Piezoelectric Materials

JING-FENG LI

The book provides an in-depth overview of principles, material systems and applications of lead-free piezoelectric materials. It starts with the fundamentals of piezoelectricity and lead-free piezoelectrics. Then it discusses five representative lead-free piezoelectric material systems from background introduction to crystal structures and properties. Finally, it presents several applications of lead-free piezoelectrics including piezoelectric actuators and transducers. The challenges for promoting applications will also be discussed.



FEBRUARY 2021 240PP  
978-3-527-34512-0 CL \$175.00 (Japan)  
Properties of Materials

## ナノテクノロジー

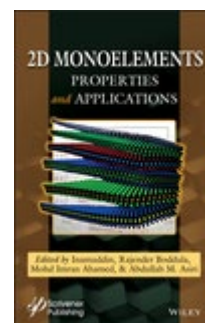
## 2D Monoelements

## Properties and Applications

EDITOR INAMUDDIN, EDITOR RAJENDER BODDULA, EDITOR MOHD IMRAN AHAMED & EDITOR ABDULLAH M. ASIRI

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

*2D Monoelements: Properties and Applications* explores the challenges, research progress and future developments of the basic idea of two-dimensional monoelements, classifications, and application in field-effect transistors for sensing and biosensing.



The thematic topics include investigations such as:

- Recent advances in phosphorene
- The diverse properties of two-dimensional antimonene, of graphene and its derivatives
- The molecular docking simulation study used to analyze the binding mechanisms of graphene oxide as a cancer drug carrier
- Metal-organic frameworks (MOFs)-derived carbon (graphene and carbon nanotubes) and MOF-carbon composite materials, with a special emphasis on the use of these nanostructures for energy storage devices (supercapacitors)
- Two-dimensional monoelements classification like graphene application in field-effect transistors for sensing and biosensing
- Graphene-based ternary materials as a supercapacitor electrode
- Rise of silicene and its applications in gas sensing

FEBRUARY 2021 352PP  
978-1-119-65525-1 CL \$199.00 (Japan)  
Nanomaterials

## ナーシング

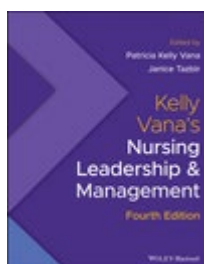
**Kelly's Nursing Leadership and Management**

4th Edition

EDITOR PATRICIA J. KELLY &amp; EDITOR JANICE TAZBIR

## READERSHIP:

Primary: Postgraduate nursing and healthcare students on Nursing Leadership/Clinical Nurse Leader Courses  
 Secondary: Qualified Nurses



FEBRUARY 2021 944PP  
 978-1-119-59661-5 PB \$125.00 (Japan)  
 Nursing Management & Leadership

**Fundamentals of Pharmacology**

For Nursing &amp; Healthcare Students

EDITOR IAN PEATE, GIBRALTAR &amp; EDITOR BARRY HILL

School of Nursing and Midwifery

## READERSHIP:

Pre-registration adult nursing students;  
 Post-registration nurses taking  
 'nurse prescribing', or  
 'non-medical prescribing modules';  
 Healthcare students- including  
 midwives; paramedics; OTs;  
 Physiotherapists.



## SERIES: FUNDAMENTALS

FEBRUARY 2021 384PP  
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 General Clinical Nursing

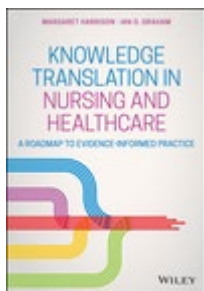
## 物理学

**Knowledge Translation in Nursing**

MARGARET HARRISON &amp; IAN D. GRAHAM

University of Ottawa, Canada

*Knowledge Translation in Nursing and Healthcare* provides authoritative guidance on the implementation of evidence-informed practice, covering issue identification and clarification, solution building and implementation, evaluation, and sustainment. Integrating theory, empirical research, and experiential knowledge, this hands-on resource assists nurses and healthcare practitioners in collecting quality evidence, transforming it into a useable, customized recommendation, and then applying best practice in various point-of-care settings.



Written by highly experienced researchers and practitioners, the book demonstrates how the synthesis and translation of evidence supports improvement of existing care and service delivery models, and produces increased benefit for both patients and health services. Examples drawn from the authors' first-hand experience--such as pressure injury prevention in acute care, transition of care for people with heart failure, and community leg ulcer care--illustrate the use of best practice in addressing care and quality issues. This important reference and guide:

- Outlines a planning framework that activates research and evidence in practice settings, moving knowledge into action and sustaining the use of best practice
- Introduces the framework that enables effective evidence-informed methodology and decision-making
- Features numerous illustrative field examples of both successful and unsuccessful implementations in a variety of practical situations
- Offers perspectives on best practice implementation from experienced practitioners and researchers

*Knowledge Translation in Nursing and Healthcare* is a must-have for those wanting to implement, evaluate, and sustain best practice in the delivery of evidence-informed healthcare to patients, families, and communities.

FEBRUARY 2021 352PP  
978-0-8138-1185-7 PB \$75.00 (Japan)  
Evidence-based Practice

**Photodetectors**

Devices, Circuits and Applications, 2nd Edition

SILVANO DONATI

The book describes a wide range of materials on various photodetectors from their basic physics to their technological applications. Also, it develops circuits for photodetectors and illustrates and evaluates them in a number of applications. A feature of the book is the recurring reference to the ultimate performances achievable within the physical limits, in particular noise. In addition to the corrections and improvements suggested by readers of the book or made by the author himself, the second edition of the book is an expanded revision of the first edition by adding new materials, such as SPAD and UTC, in order to keep up with the development in the field of photodetectors over the past years, and adding exercise problems in each chapter for readers of the book to practice.

FEBRUARY 2021 UnknownPP  
978-1-119-76991-0 CL \$140.00 (Japan)  
Optics & Photonics

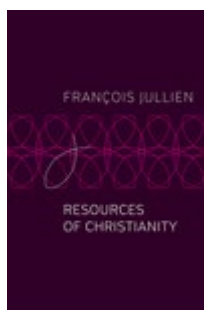
## 哲学

**Resources of Christianity**

FRANÇOIS JULLIEN &amp; TRANSLATED BY PEDRO RODRIGUEZ

Universit Paris-Diderot

READERSHIP: Students and scholars in philosophy, theology and religious studies, social theory, cultural theory and the humanities generally; anyone with an interest in Christianity and its relevance today




FEBRUARY 2021 130PP  
978-1-5095-4695-4 CL \$45.00 (Japan)  
978-1-5095-4696-1 PB \$12.95 (Japan)  
Continental Philosophy

**The International Encyclopedia of Ethics,  
2<sup>nd</sup> Edition, 9 Volume Set**EDITOR HUGH LAFOLLETTE, ASSOCIATE EDITOR JOHN DEIGH,  
ASSOCIATE EDITOR SARAH STROUD & CONSULTING EDITOR EVA  
LAFOLLETTE

University of South Florida

倫理学国際百科事典（全9巻）第二版

FEBRUARY 2021 7040PP  
978-1-119-48887-3 CL \$1795.00 (Japan)   
ETHICS

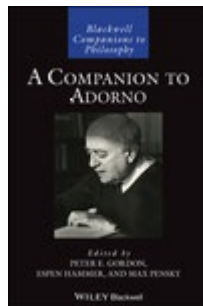
## 政治学

**A Companion to Adorno**

EDITOR PETER E. GORDON, EDITOR ESPEN HAMMER & EDITOR  
MAX PENSKY

**A definitive contribution to scholarship  
on Adorno, bringing together the  
foremost experts in the field**

As one of the leading continental philosophers of the last century, and one of the pioneering members of the Frankfurt School, Theodor W. Adorno is the author of numerous influential--and at times quite radical--works on diverse topics in aesthetics, social theory, moral philosophy, and the history of modern philosophy, all of which concern the contradictions of modern society and its relation to human suffering and the human condition. Having authored substantial contributions to critical theory which contain searching critiques of the 'culture industry' and the 'identity thinking' of modern Western society, Adorno helped establish an interdisciplinary but philosophically rigorous study of culture and provided some of the most startling and revolutionary critiques of Western society to date.



*The Blackwell Companion to Adorno* is the largest collection of essays by Adorno specialists ever gathered in a single volume. Part of the acclaimed Blackwell Companions to Philosophy series, this important contribution to the field explores Adorno's lasting impact on many sub-fields of philosophy. Seven sections, encompassing a diverse range of topics and perspectives, explore Adorno's intellectual foundations, his critiques of culture, his views on ethics and politics, and his analyses of history and domination.

A singular advancement in Adorno scholarship, the *Companion to Adorno* is an indispensable resource for Adorno specialists and anyone working in modern European philosophy, contemporary cultural criticism, social theory, German history, and aesthetics.

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

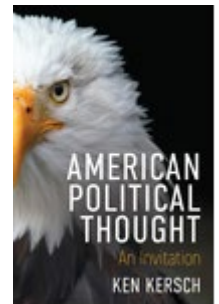
FEBRUARY 2021 UnknownPP  
978-1-119-14701-5 PB \$54.95 (Japan)  
9781119146919 CL \$190.00 (Japan), Published, April 2020  
20th Century Philosophy

**American Political Thought**

An Invitation

KEN KERSCH

READERSHIP: Students of American political thought, American politics, and American political and intellectual history.



FEBRUARY 2021 272PP  
978-1-5095-3032-8 CL \$69.95 (Japan)  
978-1-5095-3033-5 PB \$26.95 (Japan)  
American Politics

## 心理学

**APA Style Simplified**

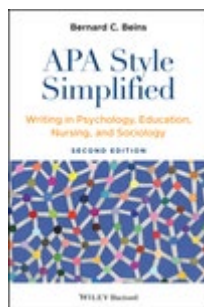
Writing in Psychology, Education, Nursing, and Sociology, 2nd Edition

BERNARD C. BEINS

Ithaca College, USA

**Master the fundamentals of 7<sup>th</sup> Edition APA style with this newly updated one-step resource**

The newly and thoroughly revised Second Edition of *APA Style Simplified: Writing in Psychology, Education, Nursing, and Sociology* delivers a concise but comprehensive guide to writing clearly and effectively in APA style. It incorporates fresh guidelines from the Seventh Edition of the APA publication manual.



Distinguished psychologist, academic, and author Dr. Bernard C. Beins walks readers through how to write objective scientific research papers using engaging prose. He explains how to develop ideas, connect them to what others have written, and express them clearly. The book also describes the differences between written, oral, and poster presentations and offers instructions for applying APA style to each one.

*APA Style Simplified: Writing in Psychology, Education, Nursing, and Sociology 2nd Edition* goes beyond mere structural conventions and teaches readers the importance of choosing effective wording, the right and wrong times to use technical language, and avoiding commonly encountered mistakes in word and sentence selection.

Perfect for students pursuing psychology, education, nursing, or sociology programs at any level, from undergraduate to postgraduate, *APA Style Simplified* also belongs on the bookshelves of working professionals in the same fields who hope to sharpen their APA-style writing, communication, and presentation skills.

FEBRUARY 2021 224PP  
978-1-119-74523-5 PB \$39.95 (Japan)  
PSYCHOLOGY GENERAL

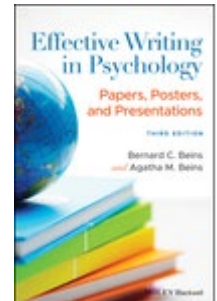
**Effective Writing in Psychology**

Papers, Posters, and Presentations

3rd Edition

BERNARD C. BEINS & AGATHA M. BEINS

Ithaca College, USA; Rutgers University, USA



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Introductions to Psychology

## An Introduction to Behavior Analysis

GREGORY J. MADDEN, DEREK D. REED & MARK REILLY

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Learning Theory & Research

## Contemporary Clinical Psychology

4th Edition

THOMAS G. PLANTE, MENLO PARK

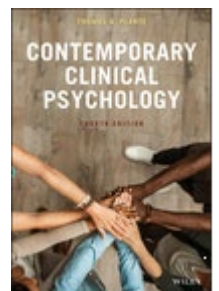
Santa Clara University and Stanford University

**Enjoy a comprehensive and insightful perspective on advanced and foundational topics in clinical psychology with this newly updated resource**

The newly revised 4th Edition of *Contemporary Clinical Psychology* delivers a comprehensive and engaging view of the science and practice of clinical psychology. From a variety of different perspectives and in numerous settings, the book presents a realistic survey of the field of clinical psychology, including its history, employment opportunities, significant theoretical underpinnings, practice instructions, and guidelines for how to conduct and interpret research in this rapidly evolving area.

Widely recognized author Thomas Plante includes information for specific topics, like the major theoretical models of clinical psychology, as well as general knowledge in this new edition that includes supplemental content like videos and interactive material that will increase student engagement and retention of the subject matter.

Perfect for graduate and advanced undergraduate students in introduction to clinical psychology courses in both university psychology and counseling departments, *Contemporary Clinical Psychology, 4th Edition* also belongs on the bookshelves of students in free-standing schools of psychology offering PsyD and MA degrees.



FEBRUARY 2021 592PP  
978-1-119-70631-1 PB \$114.95 (Japan)  
CLINICAL PSYCHOLOGY

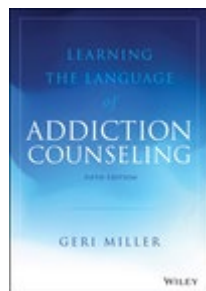
## Learning the Language of Addiction Counseling

5th Edition

GERI MILLER

Appalachian State University, Boone, NC

*Learning the Language of Addiction Counseling, Fifth Edition* introduces counselors, social workers, and students to the field of addiction counseling and helps them acquire the knowledge and develop the skills needed to counsel individuals who are caught in the destructive cycle of addiction. Drawing from her years of experience working in the addiction-counseling field, Geri Miller provides an engaging, balanced overview of the major theoretical foundations and clinical best practices in the field.



Fully updated, the fifth edition offers a positive, practice-oriented counseling framework and features:

- Accurate, timely, information about addictions in language that is easy to understand.
- A new chapter (15) on supervision and mentoring since both supervisors/mentors and supervisees/mentees use this book in their training and licensure process.
- Counseling information about working with addicts which is based on current information and research regarding influences (Integrated Health Care Movement), assessment (new DSM V coding based on the ICD-10), new assessment instruments and an expanded section on more frequently used instruments (such as the SBIRT) and treatments
- Covers new medications, behavioral therapies, mindfulness therapy, the new framework of Motivational Interviewing, mutual-help groups, and emerging technologies.

FEBRUARY 2021 608PP  
978-1-119-43303-3 PB \$75.00 (Japan)  
ADDICTIONS

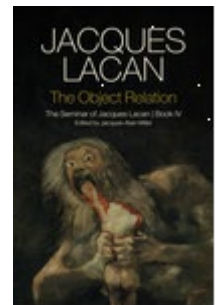
## The Object Relation

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.



FEBRUARY 2021 336PP  
978-0-7456-6035-6 CL \$45.00 (Japan)  
Psychoanalysis

## Psychopathology

Research, Assessment and Treatment in Clinical Psychology, Enhanced, 3rd Edition

GRAHAM C. DAVEY, UNITED KINGDOM

The City University, London

*Psychopathology* has been designed to provide students with a comprehensive coverage of both psychopathology and clinical practice, including extensive treatment techniques for a range of mental health issues. The text is designed to be accessible to students at a range of different learning levels, from first year undergraduates to post-graduate researchers and those undergoing clinical training.

The emphasis in the book is on providing students with a real insight into the nature and experience of mental health problems, both through the written coverage and by providing a range of video material covering personal accounts of mental health problems.

The text is integrated with a wide variety of teaching and learning features that will enable facilitators to teach more effectively, and students to learn more comprehensively.

- New to this Edition: all updated research findings
- Completely updated Focus Points that discuss contentious or topical issues in detail,
- Research Methods boxes showing how clinical psychologists do research on psychopathology,
- Case Histories detailing a range of mental health problems.
- Coverage of third generation CBT approaches and updates to Clinical practice to reflect recent changes in service delivery.
- Update videos and supplements package

SERIES: BPS TEXTBOOKS IN PSYCHOLOGY

FEBRUARY 2021 736PP  
978-1-119-67918-9 PB \$66.99  
Abnormal Psychology

## A Clinician's Guide to CBT for Children to Young Adults

A Companion to Think Good-Feel Good and Thinking Good, Feeling Better, 2nd Edition

PAUL STALLARD

Consultant Clinical Psychologist, Royal United Hospital, Bath, UK

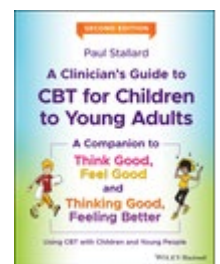
**A powerful and insightful clinical resource for CBT practitioners who work with children and young adults**

The newly updated and thoroughly revised Second Edition of this companion to *Think Good, Feel Good* and *Thinking Good, Feeling Better* delivers guidance for clinicians using the author's seminal workbooks. This companion work builds upon the workbook materials by offering readers instruction on all aspects of the therapeutic process and a wide range of case studies highlighting specific therapies in action.

*A Clinician's Guide* covers topics including parental involvement, key cognitive distortions in children, formulations, challenging thoughts, guided discovery, and the use of imagery. The author also includes a chapter focusing on common potential problems that arise in therapy and strategies to overcome them. The book highlights the underlying philosophy, process, and core skills of employing CBT with children and young people. Readers will appreciate the competency framework, which describes the CORE philosophy, PRECISE process, and the ABCs of specific techniques.

Perfect for professionals and trainees in child and adolescent mental health, like psychiatrists, clinical psychologists, educational psychologists, community psychiatric nurses, and occupational therapists, the book also belongs on the shelves of non-mental health professionals, including school nurses and social workers, who regularly work with children in a therapeutic setting.

FEBRUARY 2021 320PP  
978-1-119-39631-4 PB \$44.95 (Japan)  
COGNITIVE BEHAVIORAL THERAPY (CBT)



## Career Development and Counseling

Putting Theory and Research to Work

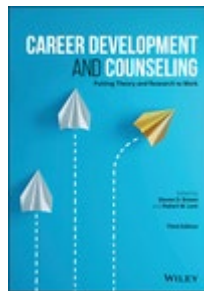
3rd Edition

STEVEN D. BROWN & ROBERT W. LENT, COLLEGE PARK

University of Minnesota

**Discover comprehensive coverage of leading research and theory in career psychology with the newest edition of a canonical work**

The newly revised and thoroughly updated third edition of *Career Development and Counseling* retains many features of the celebrated second edition, including in-depth coverage of major theories of career development, interventions and assessment systems across the life span, and the roles of diversity, individual differences, and social factors in career development.



This new edition also covers essential new material on emerging topics like:

- The future of work and preparing people for work in the new economy
- The psychology of working theory
- Working with older adults and retirees
- Working with the unemployed and underemployed
- Calling, work meaning, career adaptability, and volition

This book illuminates scientifically informed career practices from an interdisciplinary perspective, engaging readers with concrete strategies and practical tips for working with clients of all kinds. Drawing on vocational, industrial, organizational, and personality psychology, *Career Development and Counseling* is ideal for graduate students at the masters and doctoral levels in counseling, counseling psychology, counselor education, and educational psychology.

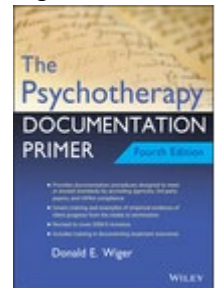
FEBRUARY 2021 848PP  
978-1-119-58035-5 PB \$104.00 (Japan)  
PSYCHOTHERAPY & COUNSELING

## The Psychotherapy Documentation Primer

4th Edition

DONALD E. WIGER

- Provides documentation procedures designed to meet or exceed standards by accrediting agencies, 3rd party payors, and HIPAA compliance
- Covers training and examples of empirical evidence of client progress from the intake to termination
- Revised to cover DSM-5 revisions
- Includes training in documenting treatment outcomes



**Everything you need to know to record client intake, treatment, and progress—incorporating the latest managed care, accrediting agency, and government regulations**

Paperwork and record keeping are day-to-day realities in your mental health practice. Records must be kept for managed care reimbursement; for accreditation agencies; for protection in the event of lawsuits; to meet federal HIPAA regulations; and to help streamline patient care in larger group practices, inpatient facilities, and hospitals. The standard professionals and students have turned to for quick and easy, yet comprehensive, guidance to writing a wide range of mental health documents, the Fourth Edition of *The Psychotherapy Documentation Primer* continues to reflect HIPAA and accreditation agency requirements as well as offer an abundance of examples.

Fully updated to include diagnostic criteria of the DSM-5, *The Psychotherapy Documentation Primer*, 4th Edition is designed to teach documental skills for the course of psychotherapy from the initial interview to the discharge. The documentation principles discussed in the text satisfy the often-rigid requirements of third-party insurance companies, regulating agencies, mental health licensing boards, and federal HIPAA regulations. More importantly, it provides students and professionals with the empirical and succinct documentation techniques and skills that will allow them to provide clear evidence of the effects of mental health treatment while also reducing the amount of their time spent on paperwork.

FEBRUARY 2021 288PP  
978-1-119-70984-8 PB \$57.25 (Japan)  
PRACTICE MANAGEMENT

## 宗教

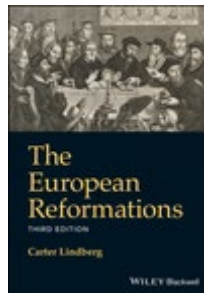
**The European Reformations**

3rd Edition

CARTER LINDBERG

Boston University, USA

Amongst the authoritative works covering the European Reformation, Carter Lindberg's *The European Reformations* has stood the test of time. Widely used in classrooms around the world for over twenty-five years, the first two editions of the book were enjoyed and acclaimed by students and teachers alike. Now, the revised and updated Third Edition of *The European Reformations* continues the author's work to sketch the various efforts to reform received expressions of faith and their social and political effects, both historical and modern. He has expanded his coverage of women in the Reformations and added a chapter on reforms in East-Central Europe. Comprehensively covering all of Europe, *The European Reformations* provides an in-depth exploration of the Reformations' effects on a wide variety of countries. The author discusses:



- The late Middle Ages and the historical context in which the Reformations gained a foothold
- Martin Luther, the theological and pastoral responses to insecurity, and the theological implications of those responses
- The implementation of reforms in Wittenberg, Germany
- Zwingli's reform program, the Reformation in Zurich, Switzerland, and the impact of medieval sacramental theology
- The Genevan Reformation and "The Most Perfect School of Christ"

Perfect for undergraduate and graduate students in courses on Reformation studies, history, religion, and theology, this edition of *The European Reformations* also belongs on the bookshelves of theological seminary students and anyone with a keen interest in the Reformation and its ongoing impact on faith and society.

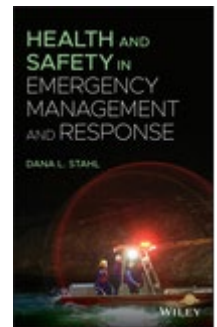
FEBRUARY 2021 432PP  
978-1-119-64081-3 PB \$45.00 (Japan)  
RELIGION, ISSUES & CURRENT AFFAIRS

## 社会学

**Health and Safety in Emergency Management and Response**

DANA L. STAHL

This book familiarizes personnel serving as Emergency Managers, Safety Officers, Assistant Safety Officers, and in other safety-relevant Incident Command System (ICS) roles with physical and psychosocial hazards and stressors that may impact the health and safety of workers and responders in an All-Hazards Response, and ways to minimize exposure. This book provides knowledge on regulations and worker safety practices to the Safety Officer with an emergency responder background, and provides the tools for the Safety Officer with an industrial hygiene or safety professional background that help them be successful in this role. In order to work together effectively, it is important that anyone responding to an emergency be familiar with all standards and protocols.



FEBRUARY 2021 496PP  
978-1-119-56097-5 CL \$125.00 (Japan)  
Emergency Management

## Concise Reader in Sociological Theory

Theorists, Concepts, and Current Applications

MICHELE DILLON

University of New Hampshire, USA

**Essential writings from classical and contemporary sociological theorists engagingly introduced and brought to life for students**

This *Concise Reader in Sociological Theory* contains excerpts from the writings of a wide range of key theorists who represent the dynamic breadth of classical and contemporary, macro- and micro-sociological theory. The selected writings elaborate on the core concepts and arguments of sociological theory, and, along with the commentary, explore topics that resonate today such as: crisis and change, institutions and networks, power and inequality, race, gender, difference, and much more.

The text contains editorial introductions to each section that clearly explain the intellectual context of the theorists and their arguments and reinforce their relevance to sociological analysis and society today. The excerpts include writings from the classicists Karl Marx, Max Weber, Emile Durkheim, W.E.B. Du Bois to the contemporary Patricia Hill Collins, Dorothy Smith, Raewyn Connell. This indispensable book:

- Offers a concise review of the diverse field of sociological theory
- Includes contributions from a wide range of noted classical and contemporary theorists
- Incorporates engaging empirical examples from contemporary society
- Demonstrates the relevance and significance of the ideas presented in the theorists' writings

Designed for undergraduate and graduate students in sociology and in social and political theory, *Concise Reader in Sociological Theory* is an engaging and accessible guide to the most relevant sociological theorists.

FEBRUARY 2021 416PP  
978-1-119-53618-5 PB \$44.95 (Japan)  
Social Theory

## Childhood in a Global Perspective

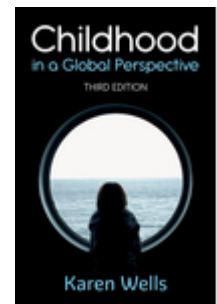
3rd Edition

KAREN WELLS

Birkbeck, University of London

READERSHIP: Upper-level students across the social sciences studying childhood, especially students of sociology.

FEBRUARY 2021 280PP  
978-1-5095-4170-6 CL \$69.95 (Japan)  
978-1-5095-4171-3 PB \$26.95 (Japan)  
Sociology of Children



## Community

### Seeking Safety in an Insecure World

CRAIG CALHOUN

New York University

'Community' is one of those words that feels good: it is good 'to have a community', 'to be in a community'. And 'community' feels good because of the meanings which the word conveys, all of them promising pleasures, and more often than not the kind of pleasures which we would like to experience but seem to miss.

'Community' conveys the image of a warm and comfortable place, like a fireplace at which we warm our hands on a frosty day. Out there, in the street, all sorts of dangers lie in ambush; in here, in the community, we can relax and feel safe. 'Community' stands for the kind of world which we long to inhabit but which is not, regrettably, available to us. Today 'community' is another name for paradise lost - but for a paradise which we still hope to find, as we feverishly search for the roads that may lead us there.

But there is a price to be paid for the privilege of being in a community. Community promises security but seems to deprive us of freedom, of the right to be ourselves. Security and freedom are two equally precious and coveted values which could be balanced to some degree, but hardly ever fully reconciled. The tension between security and freedom, and between community and individuality, is unlikely ever to be resolved. We cannot escape the dilemma but we can take stock of the opportunities and the dangers, and at least try to avoid repeating past errors.

In this important new book, Zygmunt Bauman takes stock of these opportunities and dangers and, in his distinctive and brilliant fashion, offers a much-needed reappraisal of a concept that has become central to current debates about the nature and future of our societies.

#### SERIES: KEY CONCEPTS

FEBRUARY 2021 250PP  
978-0-7456-2783-0 CL \$105.00 (Japan)  
978-0-7456-2784-7 PB \$34.95 (Japan)  
Social Identity

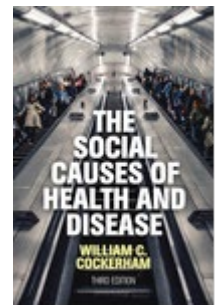
## The Social Causes of Health and Disease

WILLIAM C. COCKERHAM

University of Alabama, Birmingham

This stimulating book has become a go-to text for understanding the role that social factors play in the experience of health and many diseases. This extensively revised and updated third edition offers the most compelling case yet that stress, poverty, unhealthy lifestyles, and unpleasant living and working conditions can all be directly associated with illness.

The book continues to build on the paradigm shift that has been emerging in twenty-first-century medical sociology, which looks beyond individual explanations for health and disease. As the field has headed toward a fundamentally different orientation, William Cockerham's work has been at the forefront of these changes, and he here marshals evidence and theory for those seeking a clear and authoritative guide to the realities of the social determinants of health. Of particular note in the latest edition is new material on the relationship between gender and health, implications of the life course for health behavior, the health effects of social capital, and the emergence of COVID-19. This engaging introduction to social epidemiology will be indispensable reading for all students and scholars of medical sociology, especially those with the courage to confront the possibility that society really does make people sick.



FEBRUARY 2021 264PP  
978-1-5095-4035-8 CL \$69.95 (Japan)  
978-1-5095-4036-5 PB \$24.95 (Japan)  
Sociology of Health & Illness

## ソーシャルサイエンス

**Colonial Trauma**

A Study of the Psychic and Political Consequences  
of Colonial Oppression in Algeria

KARIMA LAZALI

READERSHIP: Students and scholars of postcolonial theory, sociology, anthropology, psychoanalysis and anyone with an interest in the legacy of colonialism



SERIES: CRITICAL SOUTH

FEBRUARY 2021 260PP  
978-1-5095-4102-7 CL \$69.95 (Japan)  
978-1-5095-4103-4 PB \$24.95 (Japan)  
Social Policy

**Making Sense, Making Science**

EDITOR ASTRID GUILLAUME & EDITOR LIA KURTS-W&OumlML;STE

This book demonstrates the federative power of the methodology of the sciences of culture by exploiting its critical, historical, and comparative principles to address both cultural objects and disciplines that report on them. Scientific activity is rethought in its dimension of interpretative act responsible for both the human and the non-human. This book fills a gap by reconnecting in an innovative and original way the scientific, artistic and ethico-political spheres.



FEBRUARY 2021 240PP  
978-1-78630-579-4 CL \$145.00 (Japan)  
Social Sciences

## 統計学

**Direction Dependence in Statistical Modeling**

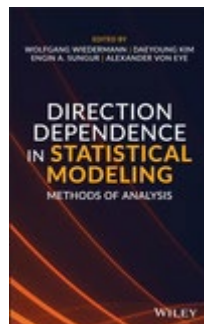
Methods of Analysis

WOLFGANG WIEDERMANN, DAEYOUNG KIM, ENGİN A. SUNGUR &amp; ALEXANDER VON EYE

Michigan State University, USA

**Covers the latest developments in direction dependence research**

*Direction Dependence in Statistical Modeling: Methods of Analysis* incorporates the latest research for the statistical analysis of hypotheses that are compatible with the causal direction of dependence of variable relations. Having particular application in the fields of neuroscience, clinical psychology, developmental psychology, educational psychology, and epidemiology, direction dependence methods have attracted growing attention due to their potential to help decide which of two competing statistical models is more likely to reflect the correct causal flow.



The book covers several topics in-depth, including:

- A demonstration of the importance of methods for the analysis of direction dependence hypotheses
- A presentation of the development of methods for direction dependence analysis together with recent novel, unpublished software implementations
- A review of methods of direction dependence following the copula-based tradition of Sungur and Kim
- A presentation of extensions of direction dependence methods to the domain of categorical data
- An overview of algorithms for causal structure learning

The book's fourteen chapters include a discussion of the use of custom dialogs and macros in SPSS to make direction dependence analysis accessible to empirical researchers.

FEBRUARY 2021 432PP  
978-1-119-52307-9 CL \$135.00 (Japan)  
Applied Probability & Statistics

**Probability with STEM Applications**

3rd Edition

MATTHEW A. CARLTON &amp; JAY L. DEVORE

*Probability with Applications in Engineering, Science, and Technology, Third Edition*, is an accessible and well-balanced introduction to post-calculus applied probability. Integrating foundational mathematical theory and the application of probability in the real world, this leading textbook engages students with unique problem scenarios and more than 1100 exercises of varying levels of difficulty. The text uses a hands-on, software-oriented approach to the subject of probability. MATLAB and R examples and exercises -- complemented by computer code that enables students to create their own simulations -- demonstrate the importance of software to solve problems that cannot be obtained analytically.

Revised and updated throughout, the textbook covers random variables and probability distributions, the basics of statistical inference, Markov chains, stochastic processes, signal processing, and more. This new edition is the perfect text for both year-long and single-semester mathematics and statistics courses, student engineers and scientists, and business and social science majors wanting to learn the quantitative aspects of their disciplines.

FEBRUARY 2021 UnknownPP  
978-1-119-71786-7 PB \$125.79 (Japan)  
Applied Probability & Statistics

## テストプレップ

## Applications of Quantile Regression of Experimental and Cross Section Data using EViews

I. GUSTI NGURAH AGUNG

Quantile regression aims at estimating either the conditional median or other quantiles of the response variable. Essentially, quantile regression is the extension of linear regression and we use it when the conditions of linear regression are not applicable.

LS-Regressions, Ordinary-Regressions or Mean-Regressions, the Quantile-Regressions (QRs) can be classified into three groups. The first group consists of the QRs with categorical variables, called ANOVA QRs, where ordinal variables are treated as nominal variables and the numerical independent variables (IVs) are transformed to ordinal variables. The second group consists of the QRs with numerical variables, where the ordinal variables are treated as the numerical IVs. The third group consists of the various interaction QRs with numerical and categorical IV, where the ordinal variables can be treated as either numerical or nominal categorical IVs.

Applications of Quantile Regression of Experimental and Cross Section Data using EViews presents examples of statistical results of various QRs in order to display their richer characteristics, based on the LS-Regression, Ordinary-Regressions, or Mean-Regressions. It offers instructions how to develop the best possible QRs and how to present more advanced analysis by using the Quantile Process, the Wald test, the Redundant Variables test, Omitted Variables Test, and forecasting, as well as to draw the best conclusions from results. A mathematical knowledge of quantile regression is not necessary so this book is applicable to students and lecturers in statistics, data analysis and engineering.

FEBRUARY 2021 496PP  
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Regression Analysis

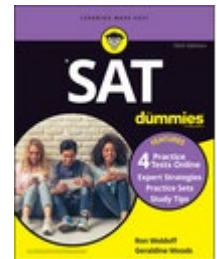
## SAT For Dummies

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NEW YORK

New York, New York

The SAT is administered annually to more than 2 million students at approximately 6,000 test centers located in more than 170 countries. The test is used to measure a student's readiness for college, as well as to interpret overall academic performance in relation to the national applicant pool. Nearly every college in America accepts the SAT or SAT Subject Tests as a part of its admissions process. In addition to admission, many colleges use the SAT for course placement and/or scholarship consideration.



The previous edition was written for the revised exam released in 2016. This edition will feature content tailored toward this revised exam with the benefit of the authors' experience teaching it. New and revised content includes:

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- Math sections: Simple approaches to seemingly tricky questions, as well as more focus on the high-level topics that appear
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Certification (MSCE, Novell, etc.)

## OCP Java SE 11 Developer Complete Certification Kit

JEANNE BOYARSKY & SCOTT SELIKOFF

**NOTE:** After the release of the Developer Complete Study Guide, Oracle completely revamped the Java SE 11 certification by retiring Exams 1Z0-815 and 1Z0-816. You're now only required to pass the new Exam 1Z0-819. The Upgrade Exam 1Z0-817 remains the same. Even though the exams have changed, the same topics are covered (but are presented in a different order). You can rest assured, however, that this Certification Kit provides complete coverage of the Java SE 11 certification exam.



The Certification Kit include two books:

*OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide: Exam 1Z0-815, Exam 1Z0-816, and Exam 1Z0-817* is designed to make you fully prepared to understand the job role and to take the exams. In particular, developers will need to learn functional programming for the first time to pass the certification. This comprehensive study guide covers all of the key topic areas Java programmers will need to be familiar with.

*OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817* is organized in two parts, this book provides 28 chapter tests, covering all the OCP Java SE 11 Programmer I and Programmer II objective domains. PLUS it offers two additional practice exams, for a total of over a 1000 practice test questions. This book helps you gain the confidence you need for taking the OCP Java SE 11 Programmer I and Programmer II exams.

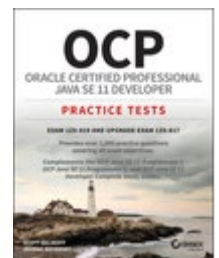
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Certification (MSCE, Novell, etc.)

## OCP Oracle Certified Professional Java SE 11 Developer Practice Tests

Exam 1Z0-819 and Upgrade Exam 1Z0-817

SCOTT SELIKOFF & JEANNE BOYARSKY

**NOTE:** The OCP Java SE 11 Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816 have been retired (as of October 1, 2020), and Oracle has released a new Developer Exam 1Z0-819 to replace the previous exams. The Upgrade Exam 1Z0-817 remains the same.



**Improve your preparation for the OCP Java SE 11 Developer exam with these comprehensive practice tests**

*OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817* offers readers over 1000 practice questions to help them hone their skills for the challenging 1Z0-819 exam as well as the 1Z0-817 upgrade exam.

Covering all the objective domains that help readers master the crucial subject areas covered by the exam, *OCP Oracle Certified Professional Java SE 11 Developer Practice Tests* provides domain-by-domain questions as well as additional bonus practice exams to further solidify the reader's mastery of its subjects.

Perfect for anyone studying for the OCP Java SE 11 Developer and Upgrade exams, as well as all those who wish to brush up on their Java programming skills, *OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817* is an indispensable resource that has a place on the bookshelf of every Java enthusiast, professional, and student.

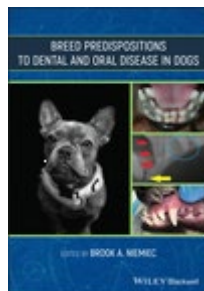
FEBRUARY 2021 576PP  
978-1-119-69613-1 PB \$40.00 (Japan)  
CERTIFICATION (MSCE, NOVELL, ETC.)

## 獣医学

**Breed Predispositions to Dental and Oral Disease in Dogs**

EDITOR BROOK NIEMIEC

*Breed Predispositions to Dental and Oral Disease in Dogs* offers a practical guide to breed predispositions to dental disease. Designed to support veterinarians in making clinical decisions and communicating with clients, the book provides a thorough understanding of the differences between large and small dogs as they relate to dental treatment. Including both information on dental therapy and anesthetizing dogs for dental procedures, the book is a useful patient-side reference for veterinary practices.



The book includes specifics on small and toy breed dogs, small breed brachycephalic dogs, and brachycephalic dogs, with details of clinical conditions more likely to be faced in specific breeds. Clinical photographs demonstrate the concepts discussed. *Breed Predispositions to Dental and Oral Disease in Dogs* is a useful resource for any clinician dealing with oral disease in dogs.

- Presents practical guidance on the particular considerations in treating dental disease in dogs
- Supports veterinarians in making decisions for dental therapy and communicating with clients
- Offers an understanding of breed predispositions to dental disease
- Dispels myths about the dangers of anesthetizing brachycephalic breeds and provides balanced information on anesthesia
- Includes high-quality clinical photographs demonstrating the principles discussed

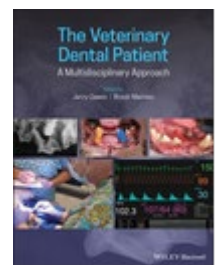
FEBRUARY 2021 UnknownPP  
978-1-119-55211-6 CL \$99.99 (Japan)  
Veterinary Dentistry

**The Veterinary Dental Patient: A Multidisciplinary Approach**

JERZY GAWOR &amp; BROOK NIEMIEC

American Veterinary Dental College, California

**Provides an interdisciplinary approach to the veterinary dental patient and offers guidance on all aspects of integrating dentistry into veterinary general practice**



*The Veterinary Dental Patient: A Multidisciplinary Approach* helps veterinarians understand the dental aspects of every canine and feline patient and shows them how to effectively manage their oral health. It also provides guidance to the rest of the veterinary team so they can offer a coordinated approach when recommending and performing veterinary dentistry as a regular part of general practice.

Edited by two prominent veterinary dentists who are Board Certified in both Europe and the United States, the text includes the latest information on safe anesthetic and monitoring protocols, accurate diagnosis and management, and referring patients to specialists. Chapters cover: establishing a dental presence in general veterinary practice; nutrition, oral health, and feeding dental patients; local, regional, and systemic complications of dental diseases; pain management; ophthalmic considerations; common situations for malpractice and mistakes; oral and maxillofacial surgery; extraction techniques and equipment; drug dosages and more. The book also offers several helpful appendixes. *The Veterinary Dental Patient: A Multidisciplinary Approach* is an essential book for all vets in general small animal practice as well as the wider veterinary team, including managers, veterinary nurses and technicians, and administrative staff.

FEBRUARY 2021 400PP  
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Veterinary Dentistry

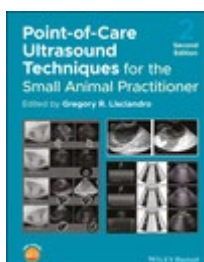
## Point-of-Care Ultrasound Techniques for the Small Animal Practitioner

2nd Edition

EDITOR 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.

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VETERINARY EMERGENCY & CRITICAL CARE

## Veterinary Clinical Parasitology

ANNE M. ZAJAC, GARY A. CONBOY, MASON REICHARD & SUSAN LITTLE

Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, VA ; University of Prince Edward Island

*Veterinary Clinical Parasitology, Ninth Edition*, prepared under the auspices of the American Association of Veterinary Parasitologists (AAVP), emphasizes the morphologic identification of both internal and external parasites of domestic animals. Focusing on the tests and information most relevant to daily practice, the book describes accurate, cost-effective techniques for diagnosing parasitic infections in animals. Including clear, easy-to-find information on the distribution, life cycle, and importance of each parasite, *Veterinary Clinical Parasitology* offers more than 450 images to aid with diagnosis.

The Ninth Edition includes new material on the benefits and limitations of different test modalities as they apply to parasites. Coverage of reptiles, birds, and other exotic and laboratory animal species has been expanded. The new 'Diagnostic Challenges' section provides support for situations where identification of parasites is particularly difficult. *Veterinary Clinical Parasitology* is a highly practical bench-side reference invaluable to clinicians, technicians, and students.

- \* Acts as a picture-matching guide to aid in identifying parasites of domestic animals
- \* Expanded coverage of reptiles, birds and other exotic and laboratory animal host species, and a greater variety of parasite species
- \* More information on the benefits and limitations of different test modalities as they apply to parasites
- \* New chapter on drugs used to treat parasite infections
- \* Provides a practical, useful resource for learning the techniques used in diagnosing parasites
- \* Prepared under the auspices of the American Association of Veterinary Parasitologists (AAVP)
- \* Includes a companion website offering the images from the book electronically

FEBRUARY 2021 432PP  
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VETERINARY MICROBIOLOGY, PARASITOLOGY, INFECTIOUS DISEASES & IMMUN

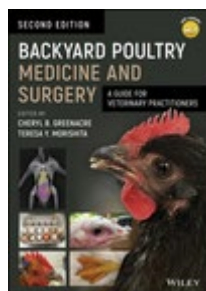
## Backyard Poultry Medicine and Surgery

A Guide for Veterinary Practitioners, 2nd Edition

EDITOR CHERYL B. GREENACRE & EDITOR TERESA Y. MORISHITA

University of Tennessee, Knoxville, Tennessee, USA; Western University College of Veterinary Medicine, Pomona, California, USA

*Backyard Poultry Medicine and Surgery, Second Edition* is a thorough revision and expansion of the first book to provide practical information for veterinarians treating individual or small flocks of poultry. With seven new chapters covering toxicology, euthanasia, gross pathology, behavior, game bird medicine, vaccinations, and drugs, and many existing chapters significantly expanded, the book offers a complete guide to all aspects of husbandry, medicine, and surgery for backyard poultry. Organized by organ system for ease of use, the book is designed to support veterinarians in diagnosing and treating backyard chickens, whether they see an occasional bird or regularly treat poultry.



More than 400 color photographs aid in breed identification and diagnosis, and the clinical focus enables veterinarians to confidently and knowledgeably develop a diagnostic and treatment plan. Chapters are written by leading experts in avian medicine and surgery. *Backyard Poultry Medicine and Surgery* is a must-have reference for any veterinarian called on to care for backyard flocks, whether they see an occasional chicken or treat poultry regularly.

- Offers a comprehensive guide to diagnosing and treating backyard poultry
- Presents practical information on husbandry, medicine, and surgery
- Written from an individual medicine perspective to aid practitioners in developing a diagnostic and treatment plan for the individual or small flock of poultry
- Expands significantly on the first edition, with many expanded chapters and seven brand-new chapters

## Honey Bee Medicine for the Veterinary Practitioner

EDITOR TERRY RYAN KANE & EDITOR CYNTHIA M. FAUX

**An essential guide to the health care of honey bees**

*Honey Bee Medicine for the Veterinary Practitioner* offers an authoritative guide to honey bee health and hive management. Designed for veterinarians and other professionals, the book presents information useful for answering commonly asked questions and for facilitating hive examinations.



The book covers a wide range of topics including basic husbandry, equipment and safety, anatomy, genetics, the diagnosis and management of disease. It also includes up to date information on *Varroa* and other bee pests, introduces honey bee pharmacology and toxicology, and addresses native bee ecology. This new resource:

- Offers a guide to veterinary care of honey bees
- Provides information on basic husbandry, examination techniques, nutrition, and more
- Discusses how to successfully handle questions and 'hive calls'
- Includes helpful photographs, line drawings, tables, and graphs

Written for veterinary practitioners, veterinary students, veterinary technicians, scientists, and apiarists, *Honey Bee Medicine for the Veterinary Practitioner* is a comprehensive and practical book on honey bee health.

FEBRUARY 2021 UnknownPP  
978-1-119-58337-0 CL \$174.99 (Japan)  
Veterinary Medicine - Farm Animals

FEBRUARY 2021 UnknownPP  
978-1-119-51175-5 PB \$114.99 (Japan)  
VETERINARY MEDICINE / BIRDS

## Veterinary Vaccines

### Principles and Applications

EDITOR SAMIA METWALLY, EDITOR GERRIT VILJOEN & EDITOR AHMED EL IDRISSI

**Provides a concise and authoritative reference on the use of vaccines against diseases of livestock**

Compiled by Senior Animal Health Officers at The Food and Agriculture Organization of the United Nations, and with contributions from international leading experts, *Veterinary Vaccines: Principles and Applications* is a concise and authoritative reference featuring easily readable reviews of the latest research in vaccinology and vaccine immune response to pathogens of major economic impact to livestock.

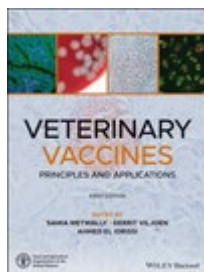
It covers advice and recommendations for vaccine production, quality control, and effective vaccination schemes including vaccine selection, specifications, vaccination programs, vaccine handling in the field, application, failures, and assessment of herd protection. In addition, the book presents discussions on the current status and potential future developments of vaccines and vaccination against selected transboundary animal diseases.

It covers advice and recommendations for vaccine production, quality control, and effective vaccination schemes including vaccine selection, specifications, vaccination programs, vaccine handling in the field, application, failures, and assessment of herd protection. In addition, the book presents discussions on the current status and potential future developments of vaccines and vaccination against selected transboundary animal diseases.

- Provides a clear and comprehensive guide on using veterinary vaccines to protect livestock from diseases
- Teaches the principles of vaccinology and vaccine immune response
- Highlights the vaccine production schemes and standards for quality control testing
- Offers easy-to-read reviews of the most current research on the subject
- Gives readers advice and recommendations on which vaccination schemes are most effective
- Discusses the today's state of vaccines and vaccination against selected transboundary animal diseases as well as possible future developments in the field

*Veterinary Vaccines: Principles and Applications* is an important resource for veterinary practitioners, animal health department officials, vaccine scientists, and veterinary students. It will also be of interest to professional associations and NGO active in livestock industry.

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Veterinary Medicine - Farm Animals



## Zoo and Wild Animal Dentistry

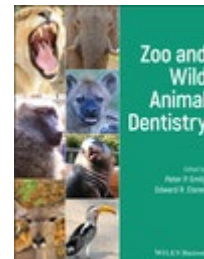
EDITOR PETER P. EMILY & EDITOR EDWARD R. EISNER

*Zoo and Wild Animal Dentistry* is the first book to offer a comprehensive reference to oral pathology and dental therapy in captive and wild exotic animals. Comprehensive in scope, the book is authored by noted experts on the topic who cover dental care for a broad range of species with an emphasis on oral health. Designed as a practical resource for treating exotic animals, the book is filled with instructive photographs and illustrations that clearly depict pathologies and demonstrate techniques.

The book draws on the editors' and contributors' years of experience with exotic animals to offer a reliable resource to the history of veterinary dentistry, information on the evolution of teeth, practical dental therapeutics, and oral descriptions for each of the more than three hundred species included in the book. *Zoo and Wild Animal Dentistry* covers a wide range of zoo and wild species, including cats, bears, primates, dogs, raccoons, weasels, hyenas, marsupials, herbivores, edentates, sea mammals, birds, reptiles, and more. This important resource:

- Offers a comprehensive reference to oral pathology and dental therapy in captive and wild animals
- Highlights oral health to promote overall health
- Includes information on the most recent advances in the field
- Contains a groundbreaking resource for the dental care of exotic animals

Written for zoo and wildlife caretakers and veterinarians, veterinary dentists, veterinary technicians, and veterinary students, *Zoo and Wild Animal Dentistry* is a practical resource that has information for the dental care of a wide range of animal species that are all too often neglected.



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Veterinary Medicine - Zoo & Wildlife

## Equine Reproductive Procedures

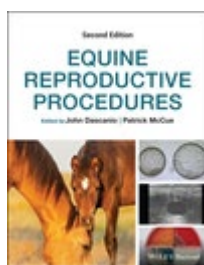
2nd Edition

EDITOR JOHN DASCANIO & EDITOR PATRICK MCCUE

Texas Tech School of Veterinary Medicine, Amarillo, Texas, USA; Colorado State University, Fort Collins, Colorado, USA

**This fully updated guide examines techniques in equine theriogenology**

The second edition of *Equine Reproductive Procedures* provides equine practitioners, veterinary students, and equine theriogenologists with a fully updated, practical guide to techniques in equine reproductive practice. This easy-to-use resource covers skills-based information with a clinical focus, taking an easy-to-follow step-by-step approach.



The book covers topics related to the reproductive management of horses, including diagnostic techniques and therapeutic procedures for stallions, mares, and foals. Procedures highlighted in the book are supported with clear descriptions and photographs. Readers will also find a list of required supplies for the procedure and a reference list.

- Provides step-by-step descriptions of techniques related to equine theriogenology
- Serves as a valuable practice tool
- Offers 39 new techniques not found in the first edition
- Includes key updates to existing techniques

Those studying equine reproduction and specialists in theriogenology will find this an essential 'how-to' guide for their practice library.

FEBRUARY 2021 UnknownPP  
978-1-119-55598-8 CL \$189.99 (Japan)  
VETERINARY MEDICINE - EQUINE

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