

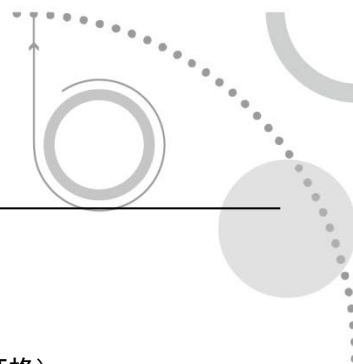
JAPAN PREVIEW

April 2020



WILEY

JAPAN PREVIEW



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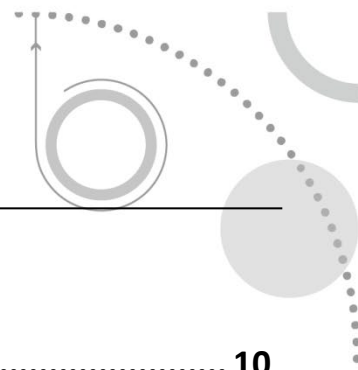
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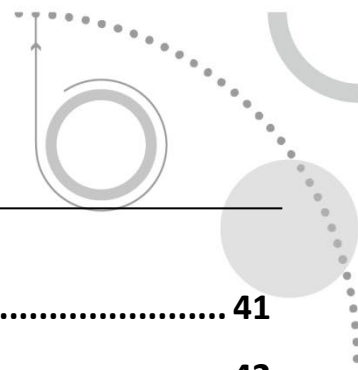


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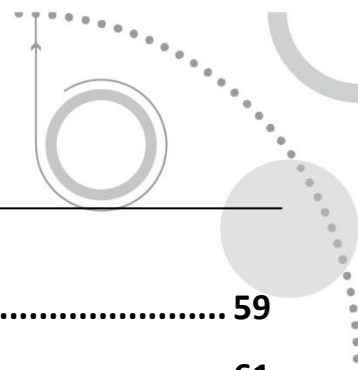
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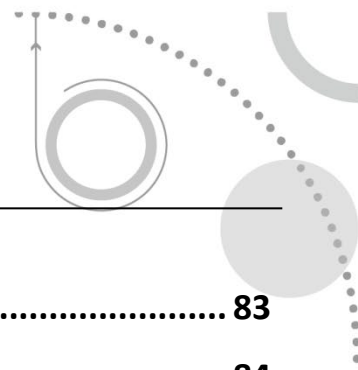
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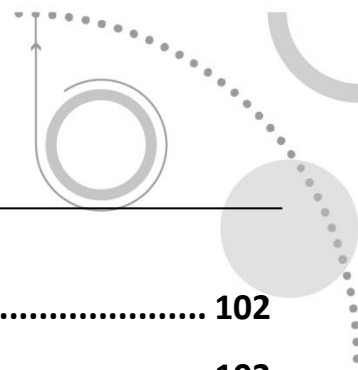
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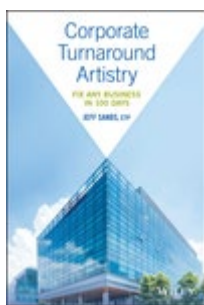
会计学 / 金融

Corporate Turnaround Artistry

Fix Any Business in 100 Days

JEFF SANDS

HOW TO STEER YOUR BUSINESS THROUGH TIMES OF FINANCIAL DISTRESS AND ACHIEVE SUSTAINED PROFITABILITY



Corporate Turnaround Artistry is a complete guide for entrepreneurial companies in times of financial distress--presenting effective strategies and proven methods to revive and rehabilitate your business. Uncertain economic times have significantly altered the financial resources available to struggling businesses. Narrowing margins and mounting internal and external pressure has taken their toll on many companies. Fortunately, most businesses can be repaired while maintaining their existing revenue structure. Offering practical steps that go beyond simple cost-cutting and sales-building advice, this invaluable guide teaches you how to control cash, secure financial relief, and develop a comprehensive turnaround plan that your employees, customers, and creditors will support.

Business leaders and entrepreneurs often fall into the trap of assuming new debt when tough times strike. Author and Certified Turnaround Practitioner Jeff Sands shows that to many struggling businesses, more money is no longer the answer to the problem. Expert advice on topics including cashflow stabilization, short and long-term profit sustainability, lean management techniques, and more, provides the framework to timely and efficient corporate turnaround. From identifying the initial cash crisis to meeting with creditors and developing a plan, this essential resource will help you:

- Stabilize your financial liabilities and re-structure your debt
- Implement effective turnaround strategies without significant changes to your corporate structure
- Preserve the positions of your current employees and their community
- Give yourself a fresh start with a lean and agile business

Thousands of businesses fall into financial stress every year--oftentimes in sudden and dramatic fashion--leaving CEOs and owners asking the question "How do I save my business"? *Corporate Turnaround Artistry: Fix Any Business in 100 Days* provides the answer.

APRIL 2020 336PP
978-1-119-53998-8 CL \$40.00 (Japan)
Corporate Finance

Entrepreneurial Finance

KARLYN MITCHELL

North Carolina State University

READERSHIP: MBA or MSM students who have previously taken a finance course, practitioners, and those in the general public with an MBA who may be interested in the subject. Advanced undergraduates in finance will find it accessible as well.

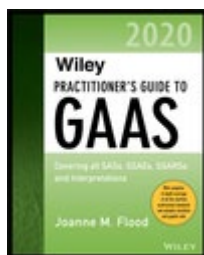
APRIL 2020 320PP
978-0-631-22953-7 CL \$69.95 (Japan)
Corporate Finance / 9780631229544 PB \$36.95 (Japan)

Wiley Practitioner's Guide to GAAS 2020

Covering all SASs, SSAEs, SSARs, and Interpretations

JOANNE M. FLOOD

A COMPREHENSIVE GUIDE TO GAAS FOR 2020, COVERING CRITICAL AUDITING STANDARDS, PRACTICES, AND PROCEDURES



Over the last few years, the AICPA has clarified *all* its professional standards, raising challenges for the accounting professional to stay current and in compliance. This edition will give auditors and accountants the knowledge and understanding they will need to competently perform and successfully complete their engagements. With this valuable resource, readers will have a comprehensive guide to the latest professional standards, practices, and procedures. The *Wiley Practitioner's Guide to GAAS 2020* provides an analysis of all SASs, SSAEs, SSARs, and Interpretations. This one book provides all the most recent revisions to the standards, explaining them in a clear way that's designed for greater understanding.

Whenever standards are changed, professionals need guidance on conducting engagements efficiently and effectively. This guide to GAAS and other professional standards provides helpful, systematic direction that saves auditors and accountants time and supports them in their jobs. Readers will have a comprehensive view of moving through the process of auditing, reviewing, compiling, and preparing financial statements and performing attestation services. In addition to explanations, readers will get a detailed discussion of current issues and gain the benefits of practice notes, illustrations, checklists, and questionnaires to reference. Practitioners will find:

- Organization based on the way auditors use the Statements on Auditing Standards, ensuring efficiency and ease of navigation
- Comprehensive guidance through the auditing process
- Explanations of all attestation standards
- Updates and interpretations of Statements on Standards for Accounting and Review Services

The *Wiley Practitioner's Guide to GAAS 2020* is a fully updated resource for completing audit, attestation, review, compilation, and preparation engagements successfully.

SERIES: WILEY REGULATORY REPORTING

APRIL 2020 928PP

978-1-119-59600-4 PB \$105.00 (Japan)

Auditing

A Companion to International Finance

EDITOR RAJ AGGARWAL

University of Akron, USA

READERSHIP:

The *Companion to International Finance* should appeal as a reference to serious undergraduate students, graduate students, and academics in the field of finance. It should also have appeal to the enlightened layman as the work of reference in international finance that would be turned to first.

APRIL 2020 608PP

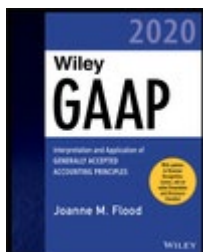
978-1-4051-0936-9 CL \$115.00 (Japan)

International Accounting

Wiley GAAP 2020

Interpretation and Application
of Generally Accepted
Accounting Principles

JOANNE M. FLOOD



The most comprehensive guide to FASB Codifications, updated with the latest pronouncements *Wiley GAAP 2020* is the essential resource for US GAAP implementation. Covering all codifications by the Financial Accounting Standards Board (FASB) - including the latest updates - this book provides clear explanations and practical examples for real-world application of these dynamic guidelines. Each chapter includes relevant sources of GAAP and expert guidance on interpretation, terminology, relevant concepts, and applicable rules, while in-depth discussion on the issues surrounding specific pronouncements offers informative perspective for a variety of scenarios. Staying up-to-date with constantly-evolving guidelines is a challenge. *Wiley GAAP 2020* provides the guidance, insight, and perspective accounting professionals need to ensure accurate and up-to-date GAAP implementation.

SERIES: WILEY REGULATORY REPORTING

APRIL 2020 1456PP
978-1-119-65262-5 PB \$145.00 (Japan)
GAAP

Audit Risk Alert

General Accounting and
Auditing Developments
2019/2020

AICPA



This alert provides auditors with an overview of recent economic, industry, technical, regulatory, and professional developments that may affect how auditors conduct audits and other engagements. An entity's internal management can also use this alert to address areas of audit concern.

Updates include:

- Economic and Industry Developments
- Legislative and Regulatory Developments
- Audit and Attestation Issues and Developments
- Revenue Recognition
- New Lease Standard
- Accounting for Financial Instruments
- Recent AICPA Independence and Developments

SERIES: AICPA

APRIL 2020 96PP
978-1-948306-90-4 PB \$59.00 (Japan)
ACCOUNTING SPECIAL TOPICS

Property and Liability Insurance Entities 2019

AICPA



Stay up-to-date on current GAAP and statutory accounting and audit guidance for property and liability insurance entities. This guide provides a good grounding on the industry, its products and regulatory issues, and the related transaction cycles that a property and liability insurance entity is involved with.

Relevant guidance contained in standards issued through September 1, 2019, is covered, including the following:

- FASB ASU No. 2017-12, Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities
- SSAP No. 26R, Bonds
- SSAP No. 43R, Loan-backed and Structured Securities
- SSAP No. 97, Investments in Subsidiary, Controlled and Affiliated Entities
- Revised for SSAP No. 101, Income Taxes, and NAIC INT 18-03, Additional Elements Under the Tax Cuts and Jobs Act

Key topics covered:

- Understand current GAAP and statutory accounting for property and liability insurance entities.
- Get authoritative accounting and auditing guidance applicable to property and liability
- Understand current GAAP and statutory accounting for property and liability insurance entities.
- Get authoritative accounting and auditing guidance applicable to property and liability insurance entities.
- Properly develop an audit plan for auditing loss reserves.
- Easily educate your staff on property and liability insurance.

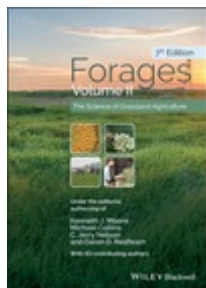
SERIES: AICPA AUDIT AND ACCOUNTING GUIDE

APRIL 2020 672PP
978-1-948306-84-3 PB \$99.00 (Japan)
Accounting Special Topics

農業

Forages, Volume 2The Science of Grassland
Agriculture

7th Edition

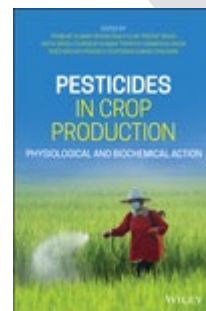
KENNETH J. MOORE, DAREN D
REDFEARN, MICHAEL COLLINS & C.
JERRY NELSONProfessor of Agronomy, Iowa State University; University of
Kentucky

Forages: The Science of Grassland Agriculture, 7th Edition, Volume II will extensively evaluate the current knowledge and information on forage agriculture.

Chapters written by leading researchers and authorities in grassland agriculture are aggregated under section themes, each one representing a major topic within grassland science and agriculture. This 7th edition will include two new additional chapters covering all aspects of forage physiology in three separate chapters, instead of one in previous editions. Chapters will be updated throughout to include new information that has developed since the last edition.

This new edition of the classic reference serves as a comprehensive supplement to *An Introduction to Grassland Agriculture, Volume I*.

APRIL 2020 952PP
978-1-119-43657-7 CL \$250.00 (Japan)
GENERAL & INTRODUCTORY AGRICULTURE

**Pesticides in Crop Production:
Physiological and Biochemical Action**EDITOR PRABHAT KUMAR SRIVASTAVA,
EDITOR VIJAY PRATAP SINGH, EDITOR
ANITA SINGH, EDITOR DURGESH K.
TRIPATHI, EDITOR SAMIKSHA SINGH &
EDITOR SHEO MOHAN PRASAD

**A guide to the diversity of pesticides
used in modern agricultural practices,
and the relevant social and environmental issues**

Pesticides in Crop Production offers an important resource that explores pesticide action in plants; pesticide metabolism in soil microbes, plants and animals; bioaccumulation of pesticides and sensitiveness of microbiome towards pesticides. The authors explore pesticide risk assessment, the development of pesticide resistance in pests, microbial remediation of pesticide intoxicated legumes and pesticide toxicity amelioration in plants by plant hormones.

The authors include information on eco-friendly pest management. They review the impact of pesticides on soil microorganism, crops and other plants along with the impact on other organisms like aquatic fauna and terrestrial animals including human beings. The book also contains an analysis of pesticide by GC-MS/MS (Gas Chromatography tandem Mass Spectrometry) a reliable method for the quantification and confirmation of multiclass pesticide residues. This important book:

- Offers a comprehensive guide to the use of the diversity of pesticides and the pertinent social and environmental issues
- Explores the impact of pesticides from morphological, anatomical, physiological and biochemical perspectives
- Shows how pesticides affects soil microorganisms, crops and other plants along with the impact on other organisms like aquatic fauna and animals
- Critically examines whether chemical pesticides are boon or bane and whether they can be replaced by environmental friendly pesticides

Written for students, researchers and professionals in agriculture, botany, entomology and biotechnology, *Pesticides in Crop Production* examines the effects of chemical pesticides and the feasibility of using bio-pesticides.

APRIL 2020 312PP
978-1-119-43219-7 CL \$190.00 (Japan)
Crops

Vitamins and Minerals Bio-fortification of Edible Plants

EDITOR NOUREDDINE BENKEBLIA

A Detailed Reference on How Modern Biotechnology is using the Biofortification of Crops to Improve the Vitamin and Mineral Content of Edible Plants

In this reference, *Vitamins and Minerals Bio-Fortification of Edible Plants*, authors cover new territory on phytonutrients, focusing on the enhancement and modification of edible crops. This book presents techniques and research findings from modern biotechnology to educate readers on the newest tools and research in the field. Readers will learn how groundbreaking scientific advances have contributed to the nutritional content of edible plants and crops for animals and humans.

Inside, readers will find comprehensive information on new concepts of biofortification, including but not limited to:

- Modern biotechnology and its uses for improving the vitamin and mineral content of edible plants
- Potential minerals and vitamins that can be targeted and implemented in agriculture
- Ways of enhancing the nutritional contents of edible plants to address nutritional deficiencies and improve livestock
- Methods of identifying plants that can be used to heal or prevent disease and illness.

While many books cover the phytonutrients of crops, this reference book reports on methodologies, techniques, and environmental changes used to enhance and improve agricultural products. It is one of the first to provide information on using modern biotechnologies to modify crops with the goal of creating health benefits.

SERIES: NEW YORK ACADEMY OF SCIENCES

APRIL 2020 280PP
978-1-119-51111-3 CL \$200.00 (Japan)
Crops

ビジネス

The Failure of Risk Management

Why It's Broken and How to Fix It, 2nd Edition

DOUGLAS W. HUBBARD

A PRACTICAL GUIDE TO ADOPTING AN ACCURATE RISK ANALYSIS METHODOLOGY



The Failure of Risk Management provides effective solutions to significant faults in current risk analysis methods. Conventional approaches to managing risk lack accurate quantitative analysis methods, yielding strategies that can actually make things worse. Many widely used methods have no systems to measure performance, resulting in inaccurate selection and ineffective application of risk management strategies. These fundamental flaws propagate unrealistic perceptions of risk in business, government, and the general public. This book provides expert examination of essential areas of risk management, including risk assessment and evaluation methods, risk mitigation strategies, common errors in quantitative models, and more. Guidance on topics such as probability modelling and empirical inputs emphasizes the efficacy of appropriate risk methodology in practical applications. Recognized as a leader in the field of risk management, author Douglas W. Hubbard combines science-based analysis with real-world examples to present a detailed investigation of risk management practices. This revised and updated second edition includes updated data sets and checklists, expanded coverage of innovative statistical methods, and new cases of current risk management issues such as data breaches and natural disasters.

- Identify deficiencies in your current risk management strategy and take appropriate corrective measures
- Adopt a calibrated approach to risk analysis using up-to-date statistical tools
- Employ accurate quantitative risk analysis and modelling methods
- Keep pace with new developments in the rapidly expanding risk analysis industry

Risk analysis is a vital component of government policy, public safety, banking and finance, and many other public and private institutions. *The Failure of Risk Management: Why It's Broken and How to Fix It* is a valuable resource for business leaders, policy makers, managers, consultants, and practitioners across industries.

APRIL 2020 336PP
978-1-119-52203-4 CL \$49.95 (Japan)
GENERAL & INTRODUCTORY BUSINESS & MANAGEMENT

Elevate the Debate

A Multilayered Approach to Communicating Your Research

JONATHAN SCHWABISH



Learn how to make data-driven research accessible to decision makers, policymakers, and the general public

Many researchers, scholars, and analysts fail to develop communication strategies that work in today's crowded landscape of content, research, and data. To be successful, modern researchers need to share their insights with the wider audience that lies beyond academia. *Elevate the Debate* helps researchers of all types more effectively communicate their work in any number of areas, from traditional news outlets to the new media platforms of the digital age. After reading this book, you will be inspired and equipped to use traditional and digital media environments to your advantage. This real-world guide helps you present your data-driven research with greater clarity, coherence, and impact.

An array of practical strategies and proven techniques enables you to make your research accessible to diverse audiences, form engaging narratives, and design and implement meaningful outreach plans. Each chapter examines a specific communications strategy, such as data visualization, presentation skills, social media, blog writing, and reporter interactions. Written by expert members of the Urban Institute's Communication department, and edited by Jonathan Schwabish, a Senior Fellow at Urban, *Elevate the Debate* guides you on how to use the media environment to your advantage and make a difference through policy insights and policy solutions.

This valuable book teaches you how to:

- Develop and apply data-driven and story-focused communication
- Use the "Pyramid Philosophy" of rooting accessible, engaging communications products in sophisticated research.
- Solve problems with your research by defining goals and recommending conclusions-based actions
- Identify the researchers, organizations, funders, influencers, and policymakers who are most important to your goals and precisely target their information needs
- Employ communication styles and strategies to get your work in the hands of people who can use it and act upon it.

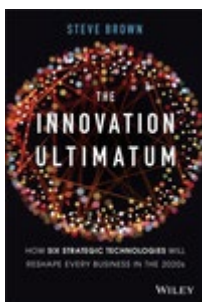
APRIL 2020 224PP
978-1-119-62001-3 PB \$34.95 (Japan)
Business Self-Help

The Innovation Ultimatum

Six strategic technologies that will reshape every business in the 2020s

STEVE BROWN

PREPARES LEADERS FOR THE 2020s--AN ACCESSIBLE GUIDE TO THE KEY TECHNOLOGIES THAT WILL RESHAPE BUSINESS IN THE COMING DECADE



Most businesses identify six key digital technologies--artificial intelligence (AI), distributed ledgers and blockchain, the Internet of Things (IoT), autonomous machines, virtual and augmented reality, and 5G communication--as critical to their relevance and growth over the coming ten years. These new disruptive technologies present significant opportunity for businesses in every industry. The first businesses to understand automation and these transformative technologies will be the ones to reap the greatest rewards in the marketplace. *The Innovation Ultimatum* helps leaders understand the key technologies poised to reshape business in the next decade and prepare their organizations for technology-enabled change. Using straightforward, jargon-free language, this important resource provides a set of strategic questions every leader will need to ask and answer in order to prepare for the impending changes to the business landscape. Author Steve Brown shares his insights to help leaders take full advantage of the next wave of digital transformation and describes compelling examples of how businesses are already embracing new technologies to optimize operations, create new value, and serve customers in new ways. Written for anyone that wants to understand how automation and new technology will fundamentally restructure business, this book enables readers to:

- Understand the implications of technology-driven change across industrial sectors
- Apply important insights to their own business
- Gain competitive advantage by implementing new technologies
- Prepare for the future of work and understand the skills needed to thrive in a post-automation economy
- Adopt critical digital technologies in any organization

Providing invaluable cutting-edge content, *The Innovation Ultimatum* is a much-needed source of guidance and inspiration for business leaders, board members, C-suite executives, and senior managers who need to prepare their businesses for the future.

APRIL 2020 320PP
978-1-119-61542-2 CL \$28.00 (Japan)
Business Technology

The Invincible Company

Business Model Strategies From the World's Best Products, Services, and Organizations



ALEXANDER OSTERWALDER, YVES
PIGNEUR, ALAN SMITH & FREDERIC ETIEMBLE
HBG Construction Ltd

The long-awaited follow-up to the international bestsellers, *Business Model Generation* and *Value Proposition Design*

Alex Osterwalder and Yves Pigneur's *Business Model Canvas* changed the way the world creates and plans new business models. It has been used by corporations and startups and consultants around the world and is taught in hundreds of universities. After years of researching how the world's best companies develop, test, and scale new business models, the authors have produced their definitive work. *The Invincible Company* explains what every organization can learn from the business models of the world's most exciting companies.

The book explains how companies such as Amazon, IKEA, Airbnb, Microsoft, and Logitech, have been able to create immensely successful businesses and disrupt entire industries. At the core of these successes are not just great products and services, but profitable, innovative business models--and the ability to improve existing business models while consistently launching new ones.

The Invincible Company presents practical new tools for measuring, managing, and accelerating innovation, and strategies for reducing risk when launching new business models. Serving as a blueprint for your growth strategy, *The Invincible Company* explains how to constantly stay ahead of your competition.

In-depth chapters explain how to create new growth engines, change how products and services are created and delivered, extract maximum profit from each type of business model, and much more. New tools--such as the Business Model Portfolio Map, Innovation Metrics, Innovation Strategy Framework, and the Culture Map--enable readers to understand how to design invincible companies.

APRIL 2020 368PP
978-1-119-52396-3 PB \$35.00 (Japan)
Strategic Management

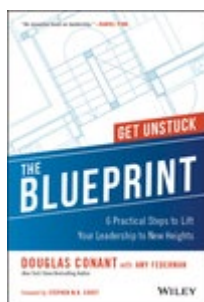
The Blueprint

6 Practical Steps to Lift Your Leadership to New Heights

DOUGLAS R. CONANT

Lift your leadership to new heights

Doug Conant, Founder of ConantLeadership, former CEO of Campbell Soup Company, and former President of Nabisco Foods, shares transformational insights in his new book, *The Blueprint*. Conant is the only former Fortune 500 CEO who is a New York Times bestselling author, a top 50 Leadership Innovator, a Top 100 Leadership Speaker, and a Top 100 Most Influential Author in the World.



Get Unstuck

In 1984, Doug Conant was fired without warning and with barely an explanation. He felt hopeless and stuck but, surprisingly, this defeating turn of events turned out to be the best thing that ever happened to him. Doug began to consider what might be holding him back from realizing his potential, fulfilling his dreams, and making a bigger impact on the world around him.

Embarking on a journey of self-reflection and discovery, he forged a path to revolutionize his leadership and transform his career trajectory. Ultimately, Doug was able to condense his remarkable leadership story into six practical steps. It wasn't until Doug worked through these six steps that he was able to lift his leadership to heights that ultimately brought him career success, joy, and fulfillment.

- Reach High - *Envision*
- Dig Deep - *Reflect*
- Lay the Groundwork - *Study*
- Design - *Plan*
- Build - *Practice*
- Reinforce - *Improve*

In *The Blueprint*, part leadership manifesto, part practical manual, Doug teaches leaders how to work through the same six steps that he used to transform his journey. The six steps are manageable and incremental, designed to fit practically within the pace of busy modern life. Knowing how daunting the prospect of change can be, Doug arms readers with exercises and practices to realistically bring their foundation to life in every situation. Now, today's leaders who feel stuck and overwhelmed finally have a blueprint for lifting their leadership to make meaningful change in their organizations and in the world.

APRIL 2020 368PP
978-1-119-56002-9 CL \$28.00 (Japan)
Management / Leadership

High Performance Boards

Improving and Energizing your Governance

DIDIER COSSIN

University of Lausanne, Switzerland



A comprehensive guide to transforming boards and achieving best-practice governance in any organisation.

When practising good governance, the board is the vital driver of organizational success, while fostering positive social impact and economic value creation. At all levels, executives around the world are faced with complexities rising from disruptive business models, new technologies, socio-economic changes, shifting political circumstances, and an array of other sources. *The Four Pillars of Board Effectiveness* is the comprehensive manual for attaining best-in-class governance, offering pragmatic guidance on improving board quality, accountability, and performance.

This authoritative volume identifies the four dimensions, or *pillars*, which are crucial for establishing and maintaining best-practice boards: the people involved, the information architecture, the structures and processes, and the group dynamics and culture of governance. This methodology can be applied to any board in the world, corporate or non-profit organization, regardless of size, sector, industry, or context. Readers are introduced to a fictitious senior board member -- an amalgamation of board members from well-known organisations -- and follow her as she successfully handles real-life challenges with effective governance. Drawn from the author's 20 years of practice and confidential work with boards across the world, this book:

- Demonstrates how high-performance boards innovate and refine their practices
- Discusses examples of board failures and challenges, including case studies from both for-profit and non-profit organisations including international organizations and state-owned agencies or even ministries
- Provides a proven framework to create best-in-class governance
- Includes a companion website featuring tools for board assessment and board practice

The Four Pillars of Board Effectiveness has inspired more than 3000 board members around the world. This book is essential reading for professionals and managers interested in governance and board members, senior managers, investors, lawyers, and students of governance.

APRIL 2020 232PP
978-1-119-61565-1 CL \$39.00 (Japan)
Corporate Governance

The Design Thinking Quick Start Guide

A 6-Step Process for Generating and Implementing Creative Solutions



ISABELL OSANN, LENA MAYER & INGA WIELE

A BRIEF, BEAUTIFUL INTRODUCTION TO DESIGN THINKING THAT INSPIRES BUSINESS CREATIVITY AND INNOVATIVE SOLUTIONS

The Design Thinking Quick Start Guide: A 6-Step Process for Generating and Implementing Creative Solutions shows you how you and your team can become more creative. This book presents methods you can use to innovate playfully and enjoyably.

The Design Thinking Quick Start Guide is full of practical tools and activities, like the 6-3-5 method of brainstorming, to help you and your team get creative. For each of the six steps in the design thinking process, the authors offer two warm-ups that get teams ready to contribute and arrive at innovative solutions.

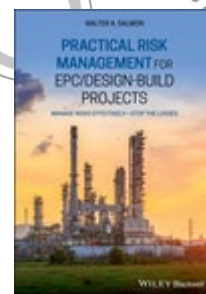
- Spur innovation with checklists for brainstorming and implementation
- Learn how to generate new ideas
- Lead your team in a proven process for doing creative work

Whether you're new to design thinking or experienced, the clearly outlined steps in this guide will inspire you to create and implement great ideas.

APRIL 2020 144PP
978-1-119-67989-9 PB \$25.00 (Japan)
Creativity & Innovation Management

Practical Risk Management for EPC / Design-Build Projects

Manage Risks Effectively - Stop the Losses



WALTER A. SALMON

Many of the books on construction risk management concentrate on theoretical approaches to the accurate assessment of the overall risks of taking on a new project. Less attention is paid to the typical risks to which the operational level of a project is exposed and how operational managers should approach those risks during project implementation. This book identifies precisely where the major EPC/Design-Build risks occur within an operational framework and shows how best to deal with those risks. The book attempts to offer practical advice, approaches and tools for dealing with risks to which the various operational departments are exposed.

APRIL 2020 328PP
978-1-119-59617-2 CL \$100.00 (Japan)
Project Management

Social Media Marketing For Dummies

4th Edition

SHIV SINGH & STEPHANIE DIAMOND,
NEW YORK



Make friends and sell things to people through social media

Social media technology is restlessly inventive, providing thousands of awesome ways for you to market your business inexpensively and on a large scale—often directly into the pockets of consumers. But in the proliferating, ever-changing world of tweets, influencers, handles, and alerts, it can be hard to know where to begin and then to evaluate what's actually working for you. In the new edition of *Social Media Marketing for Dummies*, leading SMM voices Shiv Singh and Stephanie Diamond clear away the confusion and show you the smartest, most effective ways to plan, launch, manage, and assess your campaigns—and then iterate and optimize for increased success.

Incorporating the latest trends and presented in a friendly, easily digestible step-by-step style, you'll find the ultimate blueprint for developing your best SMM strategy. In no time, you'll find out how to line up with Facebook, Twitter, Tumblr, and Google, develop a unique and compelling voice, and influence your key audience all the way to the bank.

- Choose the best SMM combination for you
- Avoid common mistakes and pitfalls
- Track your customers from awareness to retention
- Try out the latest stuff that really works

Whether your organization is large or small, it simply doesn't pay to be shy. Find your voice, get social, and chat your way to attracting and keeping new customers today!

APRIL 2020
978-1-119-61700-6 PB \$26.99 (Japan)
INTRODUCTORY MARKETING

Luxury Retail and Digital Management

Developing Customer Experience
in a Digital World

2nd Edition

MICHEL CHEVALIER & MICHEL GUTSATZ



DEVELOP A WINNING CUSTOMER EXPERIENCE IN THE DIGITAL WORLD

Luxury consumers are changing -- they come from all over the world, they are young and they are digital natives. How can luxury brands that have built themselves as pure physical players adapt their business model and practices to address their expectations without abandoning their luxury DNA?

Luxury Retail and Digital Management, 2nd Edition sets focus on the major retailing challenges and customer evolutions luxury brands are facing today: the digitalisation and the emergence of the millennials and Chinese luxury consumers. These major changes have been affecting the distribution and communication channels of luxury brands; they now have to think simultaneously physical stores and e-commerce, global marketing and digital marketing.

- * Defines all the tools that are necessary to manage luxury stores including analysis of location and design concept
 - * Explores the selection, training and motivation of the staff
 - * Covers everything executives, managers and retail staff need to know in order to enter, expand, understand and succeed in the world of luxury retail
- Written by luxury retail experts Michel Chevalier and Michel Gutsatz, who lend their solid academic credentials and professional expertise to the subject, *Luxury Retail and Digital Management, 2nd Edition* provides deep insight into the main challenges that luxury brands are facing in this digital age.

APRIL 2020 384PP
978-1-119-54233-9 CL \$75.00 (Japan)
RETAILING

Yes, You Can Do This! How Women Start Up, Scale Up, and Build The Life They Want

CLAUDIA REUTER

How women can ?lean in? to entrepreneurship to create the life they want!



Claudia Reuter left a promising corporate career to raise her two young children but realized, when re-entering the workforce, that the gap in her resume looked like a gap in ambition not a purposeful plan. Instead of leaning into a corporate career and fighting the structures and systems designed by and for men decades ago, or leaning out and giving up income, Claudia took a different path. That decision ultimately led to success in the corporate world and at home.

In *Yes, You Can Do This!* Claudia shares her own reasons for starting a business, and makes a call to action for women to consider entrepreneurship so that they can create businesses with the rules they want and change the playing field for others, making a significant impact in the world. More than a "How-to book" on building a business, Claudia provides clear examples and practical resources to help others create the life they want through entrepreneurship. In *Yes, You Can Do This!* you'll learn:

- How to develop and share your vision
- How to deal with stereotypes and unconscious bias
- How to leverage perceived weaknesses and turn them into strengths
- How to balance life at high speeds and avoid burnout
- How to cultivate the confidence to move from idea to creating a company with the culture and rules you want

In *Yes, You Can Do This!* women are provided with an electrifying third career option: it's not just "lean in" or "lean out," but startup and change the playing field for others in the process.

SERIES: TECHSTARS

APRIL 2020 224PP
978-1-119-62560-5 CL \$25.00 (Japan)
Small Business & Entrepreneurship

Technology Trends in Practice

Grow Your Business by Using 30 New Technology Trends for Success

BERNARD MARR

Advanced Performance Institute,
Buckinghamshire, UK



Discover how 25 powerful technology trends are transforming 21st century businesses

How will the latest technologies transform your business? *Future Tech Trends in Practice* will give you the knowledge of today's most important technology trends, and how to take full advantage of them to grow your business. The book presents 25 real-world technology trends along with their potential contributions to organisational success. You'll learn how to integrate existing advancements and plan for those that are on the way.

In this book, best-selling author, strategic business advisor, and respected futurist Bernard Marr explains the role of technology in providing innovative businesses solutions for companies of varying sizes and across different industries. He covers wide-ranging trends and provides an overview of how companies are using these new and emerging technologies in practice.

You, too, can prepare your company for the potential and power of trending technology by examining these and other areas of innovation described in *Future Tech Trends in Practice*:

- Artificial intelligence, including machine and deep learning
- The Internet of Things and the rise of smart devices
- Self-driving cars and autonomous drones
- 3D printing and additive manufacturing
- Blockchain technology
- Genomics and gene editing
- Augmented, virtual and mixed reality

When you understand the technology trends that are driving success, now and into the future, you'll be better positioned to address and solve problems within your organisation.

APRIL 2020 312PP
978-1-119-64619-8 CL \$39.95 (Japan)
Business & Management Special Topics

建築学

Inseminations

Seeds for Architectural Thought

JUHANI PALLASMAA & MATTEO ZAMBELLI
Arkkitehtitoimisto Juhani Pallasmaa KY, Helsinki

A collection of the writing of the highly influential architect, Juhani Pallasmaa, presented in short, easily accessible, and condensed ideas ideal for students

Juhani Pallasmaa is one of Finland's most distinguished architects and architectural thinkers, publishing around 60 books and several hundred essays and shorter pieces over his career. His influential works have inspired undergraduate and postgraduate students of architecture and related disciplines for decades. In this compilation of excerpts of his writing, readers can discover his key concepts and thoughts in one easily accessible, comprehensive volume.

Inseminations: Seeds for Architectural Thought is a delightful collection of thoughtful ideas and compositions that float between academic essay and philosophical reflection. Wide in scope, it offers entries covering: atmospheres; biophilic beauty; embodied understanding; imperfection; light and shadow; newness and nowness; nostalgia; phenomenology of architecture; sensory thought; silence; time and eternity; uncertainty, and much more.

- Makes the wider work of Pallasmaa accessible to students across the globe, introducing them to his key concepts and thoughts
- Exposes students to a broad range of issues on which Pallasmaa has a view
- Features an alphabetized structure that makes serendipitous discovery or linking of concepts more likely
- Presents material in short, condensed manner that can be easily digested by students

Inseminations: Seeds for Architectural Thought will appeal to undergraduate students in architecture, design, urban studies, and related disciplines worldwide.

APRIL 2020 428PP
978-1-119-62218-5 CL \$45.00 (Japan)
General & Introductory Architecture

Architectural Graphic Standards
Reference

AMERICAN INSTITUTE OF ARCHITECTS, DENNIS J. HALL &
NINA M. GIGLIO

FAIA, FCSI; Assoc. AIA, CSI

THE INDUSTRY TRUSTED GUIDE TO GRAPHIC STANDARDS
Architectural Graphic Standards Reference is the unsurpassed reference for building design and construction professionals

Offering architects, designers and building contractors comprehensive guidance on visually representing the materials, products, systems and assemblies needed for conceptualizing and constructing buildings.

Endorsed by the American Institute of Architects, this Reference includes high-quality illustration, text, and designs.

Key features include:

- Access to thousands of downloadable graphic details, charts and ready-to-edit CAD drawings
- A highly visual format that provides concise text, tables and thousands of detailed graphics
- Intuitive navigation capabilities and enhanced discoverability of content
- Up-to-date codes and standards; thorough coverage of materials: concrete, masonry, metals, wood, plastics, composites, and glass; and an exhaustive survey of building elements
- Comprehensive appendixes filled with pertinent data such as: classic architectural elements; mathematical data; and structural calculations

Updated twice a year with emerging architectural design, production processes and the latest information on building elements and materials, **Architectural Graphic Standards Reference** allows users to search expert content and download thousands of graphic details, texts, and tables.

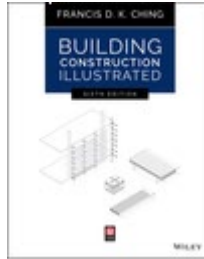
SERIES: RAMSEY/SLEEPER ARCHITECTURAL GRAPHIC
STANDARDS SERIES

APRIL 2020
978-1-119-67876-2 CL \$2657.00 (Japan)
Architectural Graphic Standards

Building Construction Illustrated

6th Edition

FRANCIS D. K. CHING, SEATTLE
THE #1 VISUAL GUIDE TO BUILDING CONSTRUCTION PRINCIPLES, UPDATED WITH THE LATEST MATERIALS, METHODS, AND SYSTEMS



For over four decades, *Building Construction Illustrated* has been the leading visual guide to the principles of building construction. Filled with rich illustrations and in-depth content by renowned author Francis D.K. Ching, it offers students and practicing professionals the information needed to understand concepts in residential and commercial construction, architecture, and structural engineering.

This Sixth Edition of *Building Construction Illustrated* has been revised throughout to reflect the latest advancements in building design, materials, and systems, including resilient design, diagrids, modular foundation systems, smart façade systems, lighting sources, mass timber materials, and more. It features new illustrations and updated information on sustainability and green building, insulation materials, and fire-rated wall and floor assemblies. This respected, industry standard guide remains as relevant as ever, providing the latest in codes and standards requirements, including IBC, LEED, and CSI MasterFormat. This Sixth Edition:

- The leading illustrated guide to building construction fundamentals, written and detailed in Frank Ching's signature, illustrative style
- Includes all new sections on resilient design; diagrids; modular foundation systems; smart façade types and systems; lighting sources and systems; and mass timber materials, cross laminated timber (CLT) and nail laminated timber (NLT)
- Revised to reflect that latest updates in codes and standards requirements: 2018 International Building Code (IBC), LEED v4, and CSI MasterFormat 2018
- Includes updated information on sustainability and green building; insulation materials; stair uses; stoves and inserts; and fire-rated wall and floor assemblies
- Offers instructors access to an Instructor's Manual with review questions

Building Construction Illustrated, Sixth Edition is an excellent book for students in architecture, civil and structural engineering, construction management, and interior design programs.

APRIL 2020 512PP
 978-1-119-58308-0 PB \$52.00 (Japan)
 BUILDING DESIGN

The Disruptors

Technology-Driven Architect-Entrepreneurs

DENNIS R. SHELLEN



Technology-driven disruption and entrepreneurial response have become profound drivers of change in modern culture. Wholly new organisations have rapidly emerged in many fields including retail, print media and transportation, often dramatically altering both the products and processes that define these industries. Architecture has until now been minimally impacted by this technologically driven upheaval. But there are many signs that this period of tranquillity is ending. Startups are proliferating, targeting diverse innovations from environmental performance to large-scale 3D printing. Traditional architecture and engineering firms are creating incubators and spin-offs to capitalise on their innovations. Large and innovative organisations from outside the professions are becoming interested in the built environment as the next platform for technological and economic disruption.

These new directions for the discipline will potentially create radically new types of practice, new building typologies, and new ways for both design professionals and societies to engage with the built environment. It is crucial that architectural discourse addresses these possibilities, and begins to embrace technology-driven entrepreneurship as a central theme for the future of architectural practice.

Contributors: Sandeep Ahuja, Ben van Berkel, Phil Bernstein, Helen Castle, James Cramer and Scott Simpson, Craig Curtis, David Fano and Daniel Davis, Greg Lynn, Jessica Rosenkrantz and Jesse Louis-Rosenberg, Brad Samuels, Marc Simmons, Jared Della Valle, and Philip F Yuan and Chao Yan.

Featured architects: Archi-Union, Ayre Chamberlain Gaunt, Bryden Wood, Gehry Partners, Front, Greg Lynn FORM, Millar Howard Workshop, Nervous System, SITU, and UNStudio.

SERIES: ARCHITECTURAL DESIGN
 APRIL 2020 144PP
 978-1-119-55509-4 PB \$45.00 (Japan)
 Building Design

土木工学

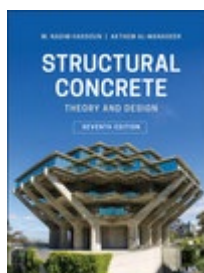
Structural Concrete

Theory and Design

7th Edition

M. NADIM HASSOUN & AKTHEM AL-MANASEER

South Dakota State University; San Jose State University



The leading structural concrete design reference for over two decades-- updated to reflect the latest ACI 318-19 code

A go-to resource for structural engineering students and professionals for over twenty years, this newly updated text on concrete structural design and analysis reflects the most recent ACI 318-19 code. It emphasizes student comprehension by presenting design methods alongside relevant codes and standards. It also offers numerous examples (presented using SI units and US-SI conversion factors) and practice problems to guide students through the analysis and design of each type of structural member.

New to *Structural Concrete: Theory and Design, Seventh Edition* are code provisions for transverse reinforcement and shear in wide beams, hanger reinforcement, and bi-directional interaction of one-way shear. This edition also includes the latest information on two-way shear strength, ordinary walls, seismic loads, reinforcement detailing and analysis, and materials requirements. This book covers the historical background of structural concrete; advantages and disadvantages; codes and practice; and design philosophy and concepts.

- Updated to align with the new ACI 318-19 code with new code provisions to include: transverse reinforcement and shear in wide beams, hanger reinforcement, bi-directional interaction of one-way shear, and reference to ACI certifications
- Includes dozens of worked examples that explain the analysis and design of structural members
- Offers updated information on two-way shear strength, seismic loads, materials requirements, and more
- Improves the design ability of students by explaining code requirements and restrictions
- Provides examples in SI units in every chapter as well as conversion factors from customary units to SI

Structural Concrete: Theory and Design, Seventh Edition is an excellent text for undergraduate and graduate students in civil and structural engineering programs. It will also benefit concrete designers, structural engineers, and civil engineers focused on structures.

APRIL 2020 960PP
978-1-119-60511-9 CL \$176.75 (Japan)
STRUCTURES

The 2017 FIDIC Contracts

WILLIAM GODWIN

Provides a clear and comprehensive guide to the 2017 FIDIC contracts-- written by a member of the FIDIC Updates Task Group



FIDIC contracts are the most widely used engineering standard form contracts internationally but until 2017 the three main forms (the Red, Yellow and Silver Books) had not been amended or updated for nearly two decades, since the first editions were published in 1999. Written by a specialist lawyer who was member of the FIDIC Updates Task Group responsible for writing the new contracts, this book examines in detail the many substantial changes they have introduced. After providing an overview the contracts are examined clause by clause with the aim of showing how each compares and contrasts with the others and how the second editions compare and contrast with the first.

- FIDIC contracts are the most widely used standard forms of contract for international engineering and construction projects
- Provides a clear and comprehensive guide to the 2017 FIDIC Red, Yellow and Silver Books
- Written by a senior specialist lawyer and member of the FIDIC 2017 Updates Task Group responsible for writing the new contracts
- Accessible to those with little or no familiarity with FIDIC contracts

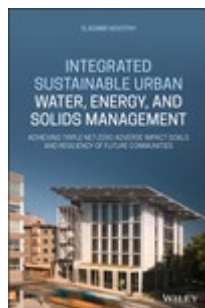
The 2017 FIDIC Contracts is an important guide for anyone engaged in international projects, including employers, contractors, engineers, lawyers, suppliers and project financiers/sponsors.

APRIL 2020 248PP
978-1-119-51463-3 CL \$120.00 (Japan)
Construction law

Integrated Sustainable Urban Water, Energy, and Solids Management

Achieving Triple Net-Zero Adverse Impact Goals and Resiliency of Future Communities

VLADIMIR NOVOTNY
Marquette University, Wisconsin



A guide for urban areas to achieve sustainability by recovering water, energy, and solids

Integrated Sustainable Urban Water, Energy, and Solids Management presents an integrated and sustainable system of urban water, used (waste) water, and waste solids management that would save and protect water quality, recover energy and other resources from used water and waste solids including plastics, and minimize or eliminate the need for landfills. The author—a noted expert on the topic—explains how to accomplish sustainability with drainage infrastructures connected to receiving waters that protect or mimic nature and are resilient to natural and anthropogenic stresses, including extreme events.

The book shows how to reduce emissions of greenhouse gasses to net zero level through water conservation, recycling, and generating blue and green energy from waste by emerging emission free technologies while simultaneously installing solar power on houses and wind power in communities. Water conservation and stormwater capture can provide good water quality for diverse applications from natural and reclaimed water to blue and green energy and other resources for use by present and future generations. This important book:

- Considers municipal solid waste as an ongoing source of energy and resources that will eliminate the need for landfills and can be processed along with used water
- Presents an integrated approach to urban sustainability
- Offers an approach for reducing greenhouse gas emissions by communities to net zero

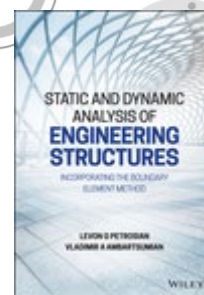
Written for students, urban planners, managers, and waste management professionals, *Integrated Sustainable Urban Water, Energy, and Solids Management* is a must-have guide for achieving sustainable integrated water, energy, and resource recovery in urban areas.

APRIL 2020 416PP
978-1-119-59365-2 CL \$140.00 (Japan)
Water Resources

Static and Dynamic Analysis of Engineering Structures

Incorporating the Boundary Element Method

LEVON G PETROSIAN & VLADIMIR A
AMBARTSUMIAN



An authoritative guide to the theory and practice of static and dynamic structures analysis

Static and Dynamic Analysis of Engineering Structures examines static and dynamic analysis of engineering structures for methodological and practical purposes. In one volume, the authors -- noted engineering experts -- provide an overview of the topic and review the applications of modern as well as classic methods of calculation of various structure mechanics problems. They clearly show the analytical and mechanical relationships between classical and modern methods of solving boundary value problems.

The first chapter offers solutions to problems using traditional techniques followed by the introduction of the boundary element methods. The book discusses various discrete and continuous systems of analysis. In addition, it offers solutions for more complex systems, such as elastic waves in inhomogeneous media, frequency-dependent damping and membranes of arbitrary shape, among others. *Static and Dynamic Analysis of Engineering Structures* is filled with illustrative examples to aid in comprehension of the presented material. The book:

- Illustrates the modern methods of static and dynamic analysis of structures;
- Provides methods for solving boundary value problems of structural mechanics and soil mechanics;
- Offers a wide spectrum of applications of modern techniques and methods of calculation of static, dynamic and seismic problems of engineering design;
- Presents a new foundation model.

Written for researchers, design engineers and specialists in the field of structural mechanics, *Static and Dynamic Analysis of Engineering Structures* provides a guide to analyzing static and dynamic structures, using traditional and advanced approaches with real-world, practical examples.

APRIL 2020 600PP
978-1-119-59283-9 CL \$150.00 (Japan)
Structural Theory & Structural Mechanics

Mathematics for Enzyme Reaction Kinetics and Reactor Performance

F. XAVIER MALCATA

Instituto Superior da Maia

Mathematics for Enzyme Reaction Kinetics and Reactor Performance is the first set in a unique 11 volume-collection on *Enzyme Reactor Engineering*. This



two volume-set relates specifically to the wide mathematical background required for systematic and rational simulation of both reaction kinetics and reactor performance; and to fully understand and capitalize on the modelling concepts developed. It accordingly reviews basic and useful concepts of Algebra (first volume), and Calculus and Statistics (second volume). A brief overview of such native algebraic entities as scalars, vectors, matrices and determinants constitutes the starting point of the first volume; the major features of germane functions are then addressed. Vector operations ensue, followed by calculation of determinants. Finally, exact methods for solution of selected algebraic equations -- including sets of linear equations, are considered, as well as numerical methods for utilization at large.

The second volume begins with an introduction to basic concepts in calculus, i.e. limits, derivatives, integrals and differential equations; limits, along with continuity, are further expanded afterwards, covering uni- and multivariate cases, as well as classical theorems. After recovering the concept of differential and applying it to generate (regular and partial) derivatives, the most important rules of differentiation of functions, in explicit, implicit and parametric form, are retrieved -- together with the nuclear theorems supporting simpler manipulation thereof. The book then tackles strategies to optimize uni- and multivariate functions, before addressing integrals in both indefinite and definite forms. Next, the book touches on the methods of solution of differential equations for practical applications, followed by analytical geometry and vector calculus. Brief coverage of statistics--including continuous probability functions, statistical descriptors and statistical hypothesis testing, brings the second volume to a close.

SERIES: ENZYME REACTION ENGINEERING

APRIL 2020
978-1-119-49028-9 CL \$350.00 (Japan)
General & Introductory Chemical Engineering

Essentials of Fluidization

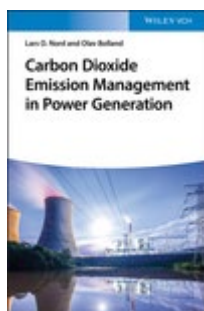
JOHN R. GRACE, XIAOTAO BI & NAOKO ELLIS

A concise and clear introduction to the basics of fluidization, with a view to its applications in the process and energy industries.

APRIL 2020 600PP
978-3-527-34064-4 CL \$116.76 (Japan)
Chemical Engineering Fundamentals

Carbon Dioxide Emission Management in Power Generation

PROF. LARS O. NORD & PROF. OLAV BOLLAND
Norwegian University of Science & Technology



Provides an engaging and clearly structured source of information on the capture and storage of CO₂

Designed to bridge the gap between the many disciplines involved in carbon dioxide emission management, this book provides a comprehensive yet easy-to-understand introduction to the subject of CO₂ capture. Fit for graduate students, practicing process engineers, and others interested in the subject, it offers a clear understanding and overview of thermal power plants in particular and of carbon dioxide capture and storage (CCS) in general.

Carbon Dioxide Emission Management in Power Generation starts with a discussion of the greenhouse effect, climate change, and CO₂ emissions as the rationale for the concept of CCS. It then looks at the long-term storage of CO₂. A chapter covering different fossil fuels, their usage, and properties comes next, followed by sections on: CO₂ generation, usage and properties; power plant technologies; theory of gas separation; power plant efficiency calculations; and classification of CO₂ capture methods. Other chapters examine: CO₂ capture by gas absorption and other gas separation methods; removing carbon from the fuel; pre- and post-combustion CO₂ capture in power cycles; and oxy-combustion CO₂ capture in power cycles.

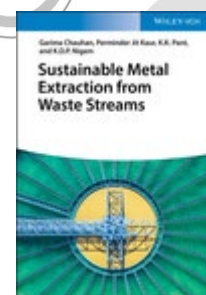
- Discusses both CO₂ capture technologies as well as power generation technologies
- Bridges the gap between many different disciplines from scientists, geologists and engineers, to economists
- One of the few books that covers all the different sciences involved in the capture and storage of CO₂
- Introduces the topic and provides useful information to the academic as well as professional reader

Carbon Dioxide Emission Management in Power Generation is an excellent book for students who are interested in CO₂ capture and storage, as well as for chemists in industry, environmental chemists, chemical engineers, geochemists, and geologists.

APRIL 2020 320PP
978-3-527-34753-7 CL \$135.00 (Japan)
Theory, Planning & Management

Sustainable Metal Extraction from Waste Streams

GARIMA CHAUHAN, PERMINDER JIT KAUR,
K.K. PANT & K.D.P. NIGAM



PROVIDES A COMPREHENSIVE OVERVIEW ON DEVELOPING SUSTAINABLE PRACTICES FOR WASTE MINIMIZATION VIA GREEN METAL EXTRACTION FROM WASTE STREAMS

THIS BOOK INTRODUCES READERS TO SUSTAINABLE MANAGEMENT AND DEFINES THE CHALLENGES AS WELL AS THE OPPORTUNITIES IN WASTE STREAM MANAGEMENT. IT STARTS BY COVERING CONVENTIONAL TECHNOLOGIES FOR METAL EXTRACTION THEN FOCUSES ON EMERGING TOOLS AND TECHNIQUES SUCH AS GREEN ADSORPTION, BIOLEACHING, AND CHELATION. IT ALSO DISCUSSES THE SCALE-UP AND PROCESS INTENSIFICATION OF METAL EXTRACTION FROM WASTE STREAMS FROM PROCESS DESIGN TO PILOT PLAN.

SUSTAINABLE METAL EXTRACTION FROM WASTE STREAMS BEGINS BY COVERING SUSTAINABILITY-RELATED CONSTRUCTS AND ILLUSTRATES THE PRE-REQUISITES FOR SUSTAINABLE MANAGEMENT OF WASTE STREAMS. IT THEN INTRODUCES THE BASICS OF SOLID WASTE HANDLING, RANGING FROM AN ANALYSIS OF THE RELEVANCE, CATEGORIES OF WASTES, CONSEQUENCES OF UNTREATED WASTE DISPOSAL INTO THE ENVIRONMENT, GOVERNMENT INITIATIVES, MANAGEMENT STRATEGIES, AND UNIT OPERATIONS FOR PRE-TREATMENT OF WASTES. THE BOOK ALSO LOOKS AT WIDELY ACCEPTED, CONVENTIONAL METAL EXTRACTION TECHNOLOGIES LIKE HYDRO AND PYRO METALLURGICAL METHODS; DISCUSSES THE POSSIBILITY OF SUSTAINABLE GREEN PROCESSES FOR METAL EXTRACTION; AND INTRODUCES THE RECENTLY DEPLOYED COILED FLOW INVERTER PROCESS.

- PROVIDES A COMPREHENSIVE COLLECTION OF THE CONVENTIONAL, EMERGING, AND FUTURE TECHNOLOGIES FOR METAL EXTRACTION FROM INDUSTRIAL WASTE AND ELECTRICAL & ELECTRONIC EQUIPMENT IN A SUSTAINABLE WAY
- DEMONSTRATES TRANS-DISCIPLINARY RESEARCH AS AN EXECUTABLE DIRECTION TO ACHIEVE THE SUSTAINABLE GOVERNANCE OF NATURAL RESOURCES AND SOLID WASTE MANAGEMENT
- PRESENTS A DEDICATED SECTION ON SCALE-UP AND PROCESS INTENSIFICATION OF METALLURGICAL PROCESSES
- SUMMARIZES VARIOUS ASPECTS OF NOVEL PROCESSES RANGING FROM BASIC CONCEPTS, BENCHMARK PERFORMANCE OF TECHNOLOGIES ON LAB SCALE, AND RECENT RESEARCH TRENDS IN METAL EXTRACTION

APRIL 2020 312PP
978-3-527-34755-1 CL \$190.00 (JAPAN)
Process Engineering

Modeling and Simulation for the Design of Membrane Processes

ANIRBAN ROY, SIDDHARTHA MOULIK, REDDI KAMESH & ADITI MULLICK

The book *Modeling in Membranes and Membrane-Based Processes* is based on the idea of developing a reference which will cover most relevant and "state-of-the-art" approaches in membrane modeling. This book explores almost every major aspect of modeling and the techniques applied in membrane separation studies and applications. This includes first principle-based models, thermodynamics models, computational fluid dynamics simulations, molecular dynamics simulations, and artificial intelligence-based modeling for membrane separation processes. These models have been discussed in light of various applications ranging from desalination to gas separation.

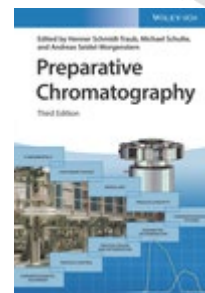
In addition, this breakthrough new volume covers the fundamentals of polymer membrane pore formation mechanisms, covering not only a wide range of modeling techniques, but also has various facets of membrane-based applications. Thus, this book can be an excellent source for a holistic perspective on membranes in general, as well as a comprehensive and valuable reference work. Whether a veteran engineer in the field or lab or a student in chemical or process engineering, this latest volume in the "Advances in Membrane Processes" is a must-have, along with the first book in the series, *Membrane Processes*, also available from Wiley-Scrivener.

APRIL 2020 400PP
978-1-119-53606-2 CL \$225.00 (Japan)
Analytical Chemistry

Preparative Chromatography 3rd Edition

EDITOR H. SCHMIDT-TRAUB, EDITOR
MICHAEL SCHULTE & EDITOR ANDREAS
SEIDEL-MORGENSTERN

Universitat Dortmund, Lehrstuhl fur
Anlagentechnik, FB Chemietechnik,
Dortmund, Germany; Merck KGaA
Performance Materials, Darmstadt,
Germany; MPI f. Dynamik komplexer
technischer Systeme, Magdeburg



The third edition of this popular work is revised to include the latest developments in this fast-changing field. Its interdisciplinary approach elegantly combines the chemistry and engineering to explore the fundamentals and optimization processes involved.

APRIL 2020 688PP
978-3-527-34486-4 CL \$245.00 (Japan)
CHROMATOGRAPHY / SEPARATION TECHNIQUES

GC-MS of Biologically and Environmentally Significant Organic Compounds

TMS Derivatives

VALERY A. ISIDOROV, Bialystok, Poland

Provides a comprehensive guide to the use of gas chromatography--mass spectrometry (GC-MS) on environmentally significant organic compounds



This book presents a library of mass spectra of 1,725 biologically and environmentally important organic compounds, in the form of their trimethylsilyl derivatives (TMS), as well as their linear temperature programmed chromatographic retention indices, *RI*, whose values are in the range of 700–4700 index units. Of the compounds presented, more than 60% of compounds have not previously been characterized by their mass spectra, and more than 70% not previously been characterized by their *RI* values. Some of these compounds, never before analysed via MS and GC, were detected by the author's team in plant tissues.

The first chapters of the book are devoted to the methodology and practice of sample preparation, as well as to mass spectrometry considerations. They contain the discussion of possible complications and limitations of the method. The book includes lists of chemical compounds in alphabetical order, as well as in the order of their retention indices which facilitates the search for parameters of interest. Every compound in the book includes a *RI* value, mass spectrum, CAS number (if available), molecular and structural formula, formula weight, chemical name and list of synonyms, as well the source of compounds used for registration of spectrum and *RI* value.

- Features mass spectra and chromatographic retention indices of 1,725 organic substances in the form of their trimethylsilyl derivatives (TMS)
- Includes the CAS number, molecular and structural formula, formula weight, mass spectrum, chemical name and list of synonyms, and more for every compound covered within
- The first publication containing analytical parameters of high-boiling compounds such as glycosides, lignans, and phenylpropanoid glycerides with *RI* values >4000

GC-MS of Biologically and Environmentally Significant Organic Compounds will appeal to specialists in phytochemical analysis, food, and environmental chemistry, as well as other investigators dealing with GC or GC/MS analysis complex mixtures of organic compounds.

APRIL 2020 720PP
978-1-119-61134-9 CL \$495.00 (Japan)
Mass Spectrometry

Crystallography and Crystal Defects

3rd Edition

ANTHONY KELLY & KEVIN M. KNOWLES

University of Cambridge; University of Cambridge

The classic book that presents a unified approach to crystallography and the defects found within crystals, revised and updated

This new edition of *Crystallography and Crystal Defects* explains the modern concepts of crystallography in a clear, succinct manner and shows how to apply these concepts in the analyses of point, line and planar defects in crystalline materials, quasicrystals and crystal interfaces.

Fully revised and updated, this book now includes:

- Original source references to key crystallographic terms familiar to materials scientists
- Expanded discussion on the elasticity of cubic materials
- New content on texture that contains more detail on Euler angles, orientation distribution functions and an expanded discussion on examples of textures in engineering materials
- Additional content on dislocations in materials of symmetry lower than cubic
- An expanded discussion of twinning which includes the description and classification of growth twins
- The inclusion and explanation of results from atomistic modelling of twin boundaries
- Problem sets with new questions, detailed worked solutions, supplementary lecture material and online computer programs for crystallographic calculations.

Written by authors with extensive lecturing experience at undergraduate level, *Crystallography and Crystal Defects, Third Edition* continues to take its place as the core text on the topic and provides the essential resource for students and researchers in metallurgy, materials science, physics, chemistry, electrical, civil and mechanical engineering.

APRIL 2020 600PP
978-1-119-42017-0 CL \$90.00 (Japan)
CRYSTALLOGRAPHY

Teaching Edition of International Tables for Crystallography

Crystallographic Symmetry

6th Edition

MOIS I. AROYO

The University of the Basque Country



This sixth edition of what was previously known as the Brief Teaching Edition of Volume A provides an introduction to the basic crystallographic data for space groups found in Volume A, for symmetry relations between space groups in Volume A1 and for subperiodic groups in Volume E of International Tables for Crystallography, to magnetic space groups and to the symmetry database that forms part of International Tables Online at <https://it.iucr.org>. It is designed for graduate students and young researchers who are new to the field of crystallographic symmetry, and includes many illustrative examples to help readers to understand and use these different kinds of information. Selected tables of symmetry data from the full volumes in the series are also included, making this a handy aid for classroom teaching. References are also provided to further specialized sources for those who need to go deeper into the subject and to textbooks for those who need more background information.

SERIES: IUCR SERIES. INTERNATIONAL TABLES FOR CRYSTALLOGRAPHY

APRIL 2020 250PP
978-0-470-97422-3 PB \$40.00 (Japan)
CRYSTALLOGRAPHY

Porous Membranes

Breakthroughs in Manufacturing and Applications

ANNAROSA GUGLIUZZA

THE PURPOSE OF THIS BOOK IS TO GIVE A GLOBAL VISION OF BASIC CONCEPTS, FEATURED MANUFACTURING APPROACHES AND POTENTIAL APPLICATIONS WHERE THE CONTROL OF PORE SIZE AND SHAPE AND DISTRIBUTION CAN BE DECISIVE FOR THE SUCCESS OF A MEMBRANE PROCESS. IT DESCRIBES HOW TO MANAGE MATERIALS ON MOLECULAR TO MACRO SCALE FOR ACHIEVING HIGH-DEFINED ARCHITECTURES ON LARGE SCALE, THUS ENABLING ONE TO REACH NEW PRODUCTIVITY/EFFICIENCY TRADE-OFF FOR SEVERAL ADVANCED APPLICATIONS.

The reader is encouraged to use this cross-disciplinary discussion for his own research or investment, thus stimulating reflections and new purposes, which may open new routes in using the membrane science in some expanding fields, including environment, energy, food and health. Advances and innovation are the central ideas of the book, providing a useful indication to solve current critical aspects and overcome existing bottlenecks in the extensive control of structural features of targeted membranes as well as in the potential scale up of developed and promising manufacturing techniques. Through the book, the reader will have the opportunity to understand the advanced techniques dedicated to the reparation of membranes with defined pore structure, as well as about the capability of a membrane to separate molecular species depending on the free pathways throughout it. Specific topics covered in the book.

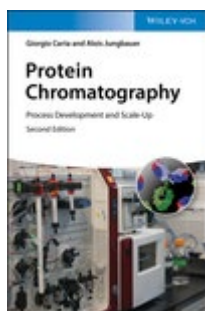
- Pore concept in membranes and related separation mechanisms
- Advances in polymeric porous membranes by phase separation
- Supercritical fluid-assisted pore formation in polymeric films
- Copolymers assembled in porous nanostructures
- Colloids templates for porous structures
- Water droplets like pore builders for high-defined porous membranes
- Porous membranes via layer-by-layer
- Design of porous gels
- 2D porous films and promising applications
- Structure and function of ion channels in membranes
- Pore switch for smart membrane separations
- Porous membranes for pressure-driven membrane processes
- Reactors-like pores in membranes
- Role of pores in membrane contactors technologies
- Pore-like free volume in dense matrixes for selective gas separation

APRIL 2020 400PP
978-1-119-40703-4 CL \$225.00 (Japan)
Water Chemistry

Protein Chromatography

Process Development and Scale-Up, 2nd Edition

GIORGIO CARTA & ALOIS JUNGBAUER
University of Virginia, Charlottesville,
USA; University of Applied Life Sciences,
Vienna, Austria



An all-in-one practical guide on how to efficiently use chromatographic separation methods

Based on a training course that teaches the theoretical as well as practical aspects of protein bioseparation to bioprocess professionals, this fully updated and revised new edition offers comprehensive coverage of continuous chromatography and provides readers with many relevant examples from the biopharmaceutical industry.

Divided into two large parts, *Protein Chromatography: Process Development and Scale-Up, Second Edition* presents all the necessary knowledge for effective process development in chromatographic bioseparation, both on small and large scale. The first part introduces chromatographic theory, including process design principles, to enable the reader to rationalize the set-up of a bioseparation process. The second part illustrates by way of case studies and sample protocols how the theory learned in the first part may be applied to real-life problems. Chapters look at: Downstream Processing of Biotechnology Products; Chromatography Media; Laboratory and Process Columns and Equipment; Adsorption Equilibrium; Rate Processes; and Dynamics of Chromatography Columns. The book closes with chapters on: Effects of Dispersion and Rate Processes on Column Performance; Gradient Elution Chromatography; and Chromatographic Column Design and Optimization.

Protein Chromatography: Process Development and Scale-Up, Second Edition will appeal to biotechnologists, analytical chemists, chromatographers, chemical engineers, pharmaceutical industry, biotechnological industry, and biochemists.

APRIL 2020 424PP
978-3-527-34666-0 CL \$165.00 (Japan)
INDUSTRIAL CHEMISTRY

Control in Bioprocessing

Modeling, Estimation and the Use of Soft Sensors

PABLO A. LÓPEZ PÉREZ, RICARDO AGUILAR
LÓPEZ, RICARDO FEMAT



Closes the gap between bioscience and mathematics-based process engineering

This book presents the most commonly employed approaches in the control of bioprocesses. It discusses the role that control theory plays in understanding the mechanisms of cellular and metabolic processes, and presents key results in various fields such as dynamic modeling, dynamic properties of bioprocess models, software sensors designed for the online estimation of parameters and state variables, and control and supervision of bioprocesses

Control in Bioengineering and Bioprocessing: Modeling, Estimation and the Use of Sensors is divided into three sections. Part I, Mathematical preliminaries and overview of the control and monitoring of bioprocess, provides a general overview of the control and monitoring of bioprocesses, and introduces the mathematical framework necessary for the analysis and characterization of bioprocess dynamics. Part II, Observability and control concepts, presents the observability concepts which form the basis of design online estimation algorithms (software sensor) for bioprocesses, and reviews controllability of these concepts, including automatic feedback control systems. Part III, Software sensors and observer-based control schemes for bioprocesses, features six application cases including dynamic behavior of 3-dimensional continuous bioreactors; observability analysis applied to 2D and 3D bioreactors with inhibitory and non-inhibitory models; and regulation of a continuously stirred bioreactor via modeling error compensation.

Control in Bioengineering and Bioprocessing is intended as a foundational text for graduate level students in bioengineering, as well as a reference text for researchers, engineers, and other practitioners interested in the field of estimation and control of bioprocesses.

APRIL 2020 400PP
978-1-119-29599-0 CL \$140.00 (Japan)
Biotechnology (Chemistry)

Corrosion Inhibitors in the Oil and Gas Industry

VISWANATHAN S. SAJI & SAVIOUR A. UMOREN

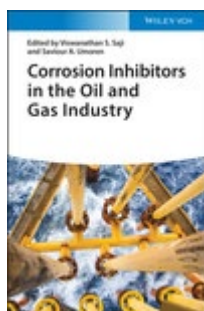
Provides comprehensive coverage of corrosion inhibitors in the oil and gas industries

Considering the high importance of corrosion inhibitor development for the oil and gas sectors, this book provides a thorough overview of the most recent advancements in this field. It systematically addresses corrosion inhibitors for various applications in the oil and gas value chain, as well as the fundamentals of corrosion inhibition and interference of inhibitors with co-additives.

Corrosion Inhibitors in the Oil and Gas Industries is presented in three parts. The first part on Fundamentals and Approaches focuses on principles and processes in the oil and gas industry, the types of corrosion encountered and their control methods, environmental factors affecting inhibition, material selection strategies, and economic aspects of corrosion. The second part on Choice of Inhibitors examines corrosion inhibitors for acidizing processes, inhibitors for sweet and sour corrosion, inhibitors in refinery operations, high-temperature corrosion inhibitors, inhibitors for challenging corrosive environments, inhibitors for microbiologically influenced corrosion, polymeric inhibitors, vapor phase inhibitors, and smart controlled release inhibitor systems. The last part on Interaction with Co-additives looks at industrial co-additives and their interference with corrosion inhibitors such as antisclants, hydrate inhibitors, and sulfide scavengers.

Corrosion Inhibitors in the Oil and Gas Industries is an excellent resource for scientists in industry as well as in academia working in the field of corrosion protection for the oil and gas sectors, and will appeal to materials scientists, electrochemists, chemists, and chemical engineers.

APRIL 2020 464PP
978-3-527-34618-9 CL \$175.00 (Japan)
Petrochemistry / Fuel



Experimental Methods for Evaluation of Hydrotreating Catalysts

JORGE ANCHEYTA

Mexican Institute of Petroleum, Mexico City

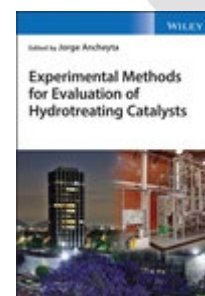
Presents detailed information and study cases on experiments on hydrotreating catalysts for the petroleum industry

Catalytic hydrotreating (HDT) is a process used in the petroleum refining industry for upgrading hydrocarbon streams--removing impurities, eliminating metals, converting asphaltene molecules, and hydrocracking heavy fractions. The major applications of HDT in refinery operations include feed pretreatment for conversion processes, post-hydrotreating distillates, and upgrading heavy crude oils. Designing HDT processes and catalysts for successful commercial application requires experimental studies based on appropriate methodologies. *Experimental Methods for Evaluation of Hydrotreating Catalysts* provides detailed descriptions of experiments in different reaction scales for studying the hydrotreating of various petroleum distillates.

Emphasizing step-by-step methodologies in each level of experimentation, this comprehensive volume presents numerous examples of evaluation methods, operating conditions, reactor and catalyst types, and process configurations. In-depth chapters describe experimental setup and procedure, analytical methods, calculations, testing and characterization of catalyst and liquid products, and interpretation of experiment data and results. The text describes experimental procedure at different levels of experimentation--glass reactor, batch reactor, continuous stirred tank reactor, and multiple scales of tubular reactors--using model compounds, middle distillates and heavy oil.

Experimental Methods for Evaluation of Hydrotreating Catalysts is an indispensable reference for researchers and professionals working in the area of catalytic hydrotreating, as well as an ideal textbook for courses in fields such as chemical engineering, petrochemical engineering, and biotechnology.

APRIL 2020 312PP
978-1-119-51799-3 CL \$165.00 (Japan)
Catalysis

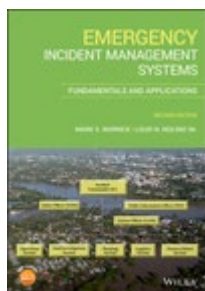


Emergency Incident Management Systems

Fundamentals and Applications

2nd Edition

MARK S. WARNICK & LOUIS N. MOLINO SR.



The second edition was written in order to keep both reader and student current in incident management. This was grounded in the fact that incident management systems are continually developing. These updates are needed to ensure the most recent and relevant information is provided to the reader.

While the overall theme of the book will remain the same of the first edition, research and research-based case studies will be used to support the need for utilizing emergency incident management systems. Contemporary research in the use (and non-use) of an incident management system provides clear and convincing evidence of successes and failures in managing emergencies. This research provides areas where first responders have misunderstood the scope and use of an emergency incident management system and what the outcomes were. Contemporary and historical (research-based) case studies in the United States and around the globe have shown the consequences of not using emergency incident management systems, including some that led to increased suffering and death rates. Research-based case studies from major incidents will be used to show the detrimental effects of not using or misunderstanding these principles. One of the more interesting chapters in the new edition is what incident management is used around the world.

APRIL 2020 560PP
978-1-119-26711-9 PB \$140.00 (Japan)
CHEMICAL AND ENVIRONMENTAL HEALTH AND SAFETY

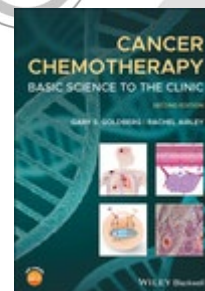
Cancer Chemotherapy

Basic Science to the Clinic

2nd Edition

GARY S GOLDBERG & RACHEL AIRLEY

Liverpool John Moores University, UK; Liverpool John Moores University, UK



Provides a clear and accessible summary of all stages and aspects of the discovery, design, development, validation and clinical use of anticancer drugs

This new edition provides an update on the current state of the art of cancer chemotherapy and clinical practice and presents new pipeline anticancer agents and promising therapeutic strategies that are emerging alongside new breakthroughs in cancer biology. Its unique approach enables students to gain an understanding of the pathological, physiological, and molecular processes governing malignancy, while also introducing the role of health professionals and scientists in the research and treatment of cancer.

Invaluable for its clarity and accessibility, *Cancer Chemotherapy: Basic Science to the Clinic, 2nd Edition* offers complete coverage of the scientific and clinical aspects of the creation, development, and administration of drugs or drug regimens used in the treatment of the disease. Chapters look at: cancer epidemiology and histopathology; carcinogenesis; current research; tumor hypoxia; antiangiogenic and antivascular agents; protein kinase and Ras blockers; new targets associated with development such as Hedgehog and Wnt signaling; stem cells; immunotherapy and oncolytic viruses; and more.

Aimed at upper undergraduate, graduate, and medical students, *Cancer Chemotherapy: Basic Science to the Clinic, 2nd Edition* is also an excellent reference for health professional, especially clinicians specializing in Clinical Oncology, and their patients who want to gain an understanding of cancer and available treatment options.

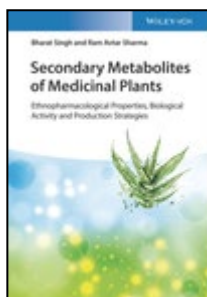
APRIL 2020 320PP
978-1-118-96385-2 PB \$65.00 (Japan)
Pharmaceutical & Medicinal Chemistry

Secondary Metabolites of Medicinal Plants

Ethnopharmacological Properties, Biological Activity and Production Strategies

BHARAT SINGH & RAM AVTAR SHARMA

Covers the structurally diverse secondary metabolites of medicinal plants, including their ethnopharmacological properties, biological activity, and production strategies



Secondary metabolites of plants are a treasure trove of novel compounds with potential pharmaceutical applications. Consequently, the nature of these metabolites as well as strategies for the targeted expression and/or purification is of high interest. Regarding their biological and pharmacological activity and ethnopharmacological properties, this book offers a comprehensive treatment of 100 plant species, including *Abutilon*, *Aloe*, *Cannabis*, *Capsicum*, *Jasminum*, *Malva*, *Phyllanthus*, *Stellaria*, *Thymus*, *Vitis*, *Zingiber*, and more. It also discusses the cell culture conditions and various strategies used for enhancing the production of targeted metabolites in plant cell cultures.

Secondary Metabolites of Medicinal Plants: Ethnopharmacological Properties, Biological Activity and Production Strategies is presented in four parts. Part I provides a complete introduction to the subject. Part II looks at the ethnomedicinal and pharmacological properties, chemical structures, and culture conditions of secondary metabolites. The third part examines the many strategies of secondary metabolites production, including: biotransformation; culture conditions; feeding of precursors; genetic transformation; immobilization; and oxygenation. The last section concludes with an overview of everything learned.

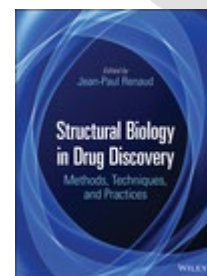
Secondary Metabolites of Medicinal Plants is an important book for students, professionals, and biotechnologists interested in the biological and pharmacological activity and ethnopharmacological properties of plants.

APRIL 2020 1904PP
978-3-527-34732-2 CL \$570.00 (Japan)
Pharmaceutical & Medicinal Chemistry

Structural Biology in Drug Discovery

Methods, Techniques, and Practices

EDITOR JEAN-PAUL RENAUD



With the most comprehensive and up-to-date overview of structure-based drug discovery covering both experimental and computational approaches, *Structural Biology in Drug Discovery: Methods, Techniques, and Practices* describes principles, methods, applications, and emerging paradigms of structural biology as a tool for more efficient drug development. Coverage includes successful examples, academic and industry insights, novel concepts, and advances in a rapidly evolving field.

The combined chapters, by authors writing from the frontlines of structural biology and drug discovery, give readers a valuable reference and resource that:

- Presents the benefits, limitations, and potentiality of major techniques in the field such as X-ray crystallography, NMR, neutron crystallography, cryo-EM, mass spectrometry and other biophysical techniques, and computational structural biology
- Includes detailed chapters on druggability, allostery, complementary use of thermodynamic and kinetic information, and powerful approaches such as structural chemogenomics and fragment-based drug design
- Emphasizes the need for the in-depth biophysical characterization of protein targets as well as of therapeutic proteins, and for a thorough quality assessment of experimental structures
- Illustrates advances in the field of established therapeutic targets like kinases, serine proteinases, GPCRs, and epigenetic proteins, and of more challenging ones like protein-protein interactions and intrinsically disordered proteins

APRIL 2020 688PP
978-1-118-68101-5 CL \$295.00 (Japan)
Drug Discovery & Development

March's Advanced Organic Chemistry

Reactions, Mechanisms, and Structure, 8th Edition

MICHAEL B. SMITH
University of Connecticut

The completely revised and updated, definitive resource for students and professionals in organic chemistry

The revised and updated 8th edition of *March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure* explains the theories of organic chemistry with examples and reactions. This book is the most comprehensive resource about organic chemistry available. Readers are guided on the planning and execution of multi-step synthetic reactions, with detailed descriptions of all the reactions

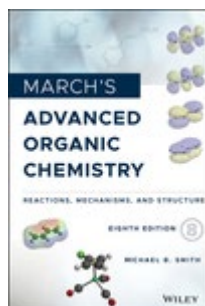
The opening chapters of *March's Advanced Organic Chemistry, 8th Edition* deal with the structure of organic compounds and discuss important organic chemistry bonds, fundamental principles of conformation, and stereochemistry of organic molecules, and reactive intermediates in organic chemistry. Further coverage concerns general principles of mechanism in organic chemistry, including acids and bases, photochemistry, sonochemistry and microwave irradiation. The relationship between structure and reactivity is also covered. The final chapters cover the nature and scope of organic reactions and their mechanisms.

This edition:

- Provides revised examples and citations that reflect advances in areas of organic chemistry published between 2011 and 2017
- Includes appendices on the literature of organic chemistry and the classification of reactions according to the compounds prepared
- Instructs the reader on preparing and conducting multi-step synthetic reactions, and provides complete descriptions of each reaction

The 8th edition of *March's Advanced Organic Chemistry* proves once again that it is a must-have desktop reference and textbook for every student and professional working in organic chemistry or related fields.

APRIL 2020 2144PP
978-1-119-37180-9 CL \$175.00 (Japan)
ORGANIC CHEMISTRY

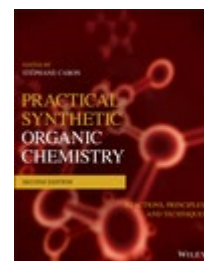


Practical Synthetic Organic Chemistry

Reactions, Principles, and Techniques, 2nd Edition

STEPHANE CARON

This book is a hands-on guide for the organic chemist. Focusing on the most reliable and useful reactions, the chapter authors provide the information necessary for a chemist to strategically plan a synthesis, as well as repeat the procedures in the laboratory.



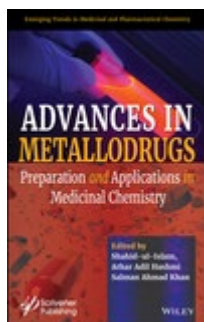
- Consolidates all the key advances/concepts in one book, covering the most important reactions in organic chemistry, including substitutions, additions, eliminations, rearrangements, oxidations, reductions
- Highlights the most important reactions, addressing basic principles, advantages/disadvantages of the methodology, mechanism, and techniques for achieving laboratory success
- Features new content on recent advances in CH activation, photoredox and electrochemistry, continuous chemistry, and application of biocatalysis in synthesis
- Revamps chapters to include new and additional examples of chemistry that have been demonstrated at a practical scale

APRIL 2020 848PP
978-1-119-44885-3 PB \$135.00 (Japan)
ORGANIC CHEMISTRY

Advances in Metallodrugs

Preparation and Applications in Medicinal Chemistry

SHAHID UL-ISLAM, ATHAR ADIL
HASHMI & SALMAN AHMAD
KHAN



APRIL 2020 250PP
978-1-119-64042-4 CL \$195.00 (Japan)
Natural Products

Chemistry of Biologically Potent Natural Products and Synthetic Compounds

SHAHID UL-ISLAM & JAVED AHMAD BANDAY

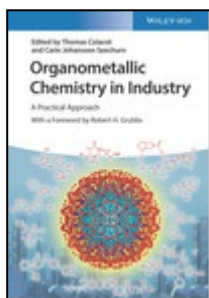
APRIL 2020 400PP 978-1-119-64034-9 CL \$225.00 (Japan)
Natural Products

Organometallic Chemistry in Industry

A Practical Approach

EDITOR THOMAS J. COLACOT, EDITOR
CARIN C.C. JOHANSSON SEECHURN
& FOREWORD BY ROBERT H. GRUBBS

California Institute of Technology,
Pasadena, USA



Showcases the important role of organometallic chemistry in industrial applications and includes practical examples and case studies

This comprehensive book takes a practical approach to how organometallic chemistry is being used in industrial applications. It uniquely offers numerous, real-world examples and case studies that aid working R&D researchers as well as Ph.D. and postdoc students preparing to ace interviews in order to enter the workforce. Edited by two world-leading and established industrial chemists, the book covers flow chemistry (catalytic and non-catalytic organometallic chemistry), various cross-coupling reactions (C-C, C-N, and C-B) in classical batch chemistry, conjugate addition reactions, metathesis, and C-H arylation and achiral hydrogenation reactions.

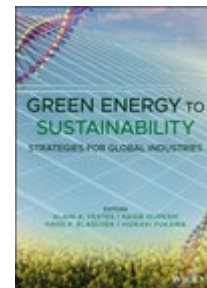
Beginning with an overview of the many industrial milestones within the field over the years, *Organometallic Chemistry in Industry: A Practical Approach* provides chapters covering: the design, development, and execution of a continuous flow enabled API manufacturing route; continuous manufacturing as an enabling technology for low temperature organometallic chemistry; the development of a nickel-catalyzed enantioselective Mizoroki-Heck coupling; and the development of iron-catalyzed Kumada cross-coupling for the large scale production of Aliskiren intermediates. The book also examines aspects of homogeneous hydrogenation from industrial research; the latest industrial uses of olefin metathesis; and more.

Organometallic Chemistry in Industry: A Practical Approach is an excellent resource for all chemists, including those working in the pharmaceutical industry and organometallics.

APRIL 2020 336PP
978-3-527-34517-5 CL \$135.00 (Japan)
Organometallic Chemistry

Green Energy to Sustainability: Strategies for Global Industries

ALAIN A. VERTES, NASIB QURESHI, HANS P.
BLASCHEK & HIDEAKI YUKAWA
Research Inst of Innovative Technology; US
Department of Agriculture; University of
Illinois; Research Inst of Innovative
Technology



Reviews the latest advances in biofuel manufacturing technologies and discusses the deployment of other renewable energy for transportation

Aimed at providing an interface useful to business and scientific managers, this book focuses on the key challenges that still impede the realization of the billion-ton renewable fuels vision. It places great emphasis on a global view of the topic, reviewing deployment and green energy technology in different countries across Africa, Asia, South America, the EU, and the USA. It also integrates scientific, technological, and business development perspectives to highlight the key developments that are necessary for the global replacement of fossil fuels with green energy solutions.

Green Energy to Sustainability: Strategies for Global Industries examines the most recent developments in biofuel manufacturing technologies in light of business, financial, value chain, and supply chain concerns. It also covers the use of other renewable energy sources like solar energy for transportation and proposes a view of the challenges over the next two to five decades, and how these will deeply modify the industrial world in the third millennium. The coming of age of electric vehicles is also looked at, as is the impact of their deployment on the biomass to biofuels value chain.

Green Energy to Sustainability: Strategies for Global Industries will appeal to academic researchers working on the production of fuels from renewable feedstocks and those working in green and sustainable chemistry, and chemical/process engineering. It is also an excellent textbook for courses in bioprocessing technology, renewable resources, green energy, and sustainable chemistry.

APRIL 2020 600PP
978-1-119-15202-6 CL \$125.00 (Japan)
Sustainable Chemistry & Green Chemistry

古典学

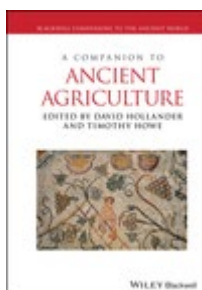
A Companion to Ancient Agriculture

EDITOR DAVID HOLLANDER & EDITOR TIMOTHY HOWE

Iowa State University; St. Olaf College

The first book-length overview of agricultural development in the ancient world

A Companion to Ancient Agriculture is an authoritative overview of the history and development of agriculture in the ancient world. Focusing primarily on the Near East and Mediterranean regions, this unique text explores the cultivation of the soil and rearing of animals through centuries of human civilization—from the Neolithic beginnings of agriculture to Late Antiquity. Chapters written by the leading scholars in their fields present a multidisciplinary examination of the agricultural methods and influences that have enabled humans to survive and prosper.



Consisting of thirty-one chapters, the *Companion* presents essays on a range of topics that include economic-political, anthropological, zooarchaeological, ethnobotanical, and archaeobotanical investigation of ancient agriculture. Chronologically-organized chapters offer in-depth discussions of agriculture in Bronze Age Egypt and Mesopotamia, Hellenistic Greece and Imperial Rome, Iran and Central Asia, and other regions. Sections on comparative agricultural history discuss agriculture in the Indian subcontinent and prehistoric China while an insightful concluding section helps readers understand ancient agriculture from a modern perspective.

A Companion to Ancient Agriculture is a much-needed resource for advanced students, instructors, scholars, and researchers in fields such as agricultural history, ancient economics, and in broader disciplines including classics, archaeology, and ancient history.

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

APRIL 2020 680PP
978-1-118-97092-8 CL \$210.00 (Japan)
9781119574422 PB \$54.95 (Japan) NYP, JUNE 2023
Ancient & Classical Studies

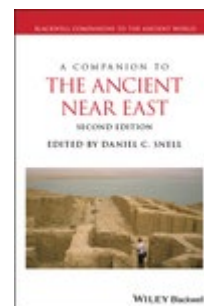
**A Companion to the Ancient Near East
2nd Edition**

EDITOR DANIEL C. SNELL

University of Oklahoma

The new edition of the popular survey of Near Eastern civilization from the Bronze Age to the era of Alexander the Great

A Companion to the Ancient Near East explores the history of the region from 4400 BCE to the Macedonian conquest of the Persian Empire in 330 BCE. Original and revised essays from a team of distinguished scholars from across disciplines address subjects including the politics, economics, architecture, and heritage of ancient Mesopotamia and Egypt. Part of the *Blackwell Companions to the Ancient World* series, this acclaimed single-volume reference combines lively writing with engaging and relatable topics to immerse readers in this fascinating period of Near East history.



The new second edition has been thoroughly revised and updated to include new developments in relevant fields, particularly archaeology, and expand on themes of interest to contemporary students. Clear, accessible chapters offer fresh discussions on the history of the family and gender roles, the literature, languages, and religions of the region, pastoralism, medicine and philosophy, and borders, states, and warfare. New essays highlight recent discoveries in cuneiform texts, investigate how modern Egyptians came to understand their ancient history, and examine the place of archaeology among the historical disciplines.

Suitable for use as both a primary reference or as a supplement to a chronologically arranged textbook, *A Companion to the Ancient Near East, 2nd Edition* is a valuable resource for advanced undergraduates, beginning graduate students, instructors in the field, and scholars from other disciplines.

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

APRIL 2020 528PP
978-1-119-36246-3 CL \$210.00 (Japan)
9781119363019 PB \$54.95 (Japan) NYP, JULY 2024
ANCIENT & CLASSICAL STUDIES

コンピューティング

Blender For Dummies

4th Edition

JASON VAN GUMSTER

**Make your 3D world a reality**

Some of the dramatic visual effects you've seen in top-grossing movies and heralded television series got their start in Blender. This book helps you get your own start in creating three-dimensional characters, scenes, and animations in the popular free and open-source tool.

Author Jason van Gumster shares his insight as an independent animator and digital artist to help Blender newcomers turn their ideas into three-dimensional drawings. From exporting and sharing scenes to becoming a part of the Blender community, this accessible book covers it all!

- Create 3D characters--no experience required
- Build scenes with texture and real lighting features
- Animate your creations and share them with the world
- Avoid common rookie mistakes

This book is the ideal starting place for newcomers to the world of 3D modeling and animation.

APRIL 2020
978-1-119-61696-2 PB \$39.99 (Japan)
GRAPHICS & DESIGN SOFTWARE (NON-MICROSOFT)

Digital Photography For Dummies

9th Edition

JULIE ADAIR KING, WEST PALM BEACH

Indianapolis, Indiana

Photographers! Your guide is here!

The demand for high-quality photographs is higher than ever.

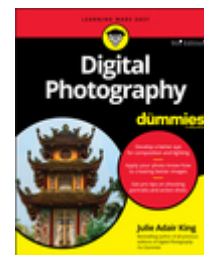
Whether you're building your influencer rating online, capturing the moments of a child's life, or are looking for ways to improve your skills, photography know-how is a must-have skill.

Digital Photography For Dummies helps you do more than pointing, shooting, and hoping for the best or slapping a filter on a camera phone shot. This book introduces you to the camera settings and techniques that separate okay pictures from frame-worthy portraits. It then explains how to apply those skills to capturing your own portraits, landscape shots, and high-action photos.

- Develop a better eye for image composition
- Discover how to light photos better, including using natural light
- Learn to get quick results in auto settings or take full control in manual mode
- Discover the elements of exposure and how they influence the final product
- Find instructions on taking a formal or casual portrait
- Apply basic editing techniques to finalize your image

Go beyond photo apps and apply the techniques pros use for their images.

APRIL 2020 368PP 978-1-119-60964-3 PB \$24.99 (Japan)
DIGITAL CAMERAS & PHOTOGRAPHY



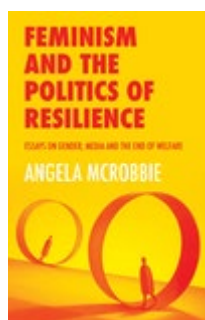
Feminism and the Politics of 'Resilience'

Essays on Gender, Media and the End of Welfare

ANGELA MCROBBIE

Goldsmiths, University of London

READERSHIP: Students of cultural studies, media, sociology, and women's and gender studies.



In this short and provocative book, cultural studies scholar Angela McRobbie develops a much-needed feminist account of neoliberalism. Highlighting the ways in which popular culture and the media actively produce and sustain the cultural imaginary for social polarization, she shows how there is substantial pressure on women not just to be employed, but to prioritize working life. She fiercely challenges the media gatekeepers who shape contemporary womanhood by means of exposure and public shaming, and pays particular attention to the endemic nature of anti-welfarism as it is addressed to women, thereby reducing the scope for feminist solidarity.

In this theoretically rich and deep analysis of current cultural processes, McRobbie introduces a series of concepts including 'visual media governmentality' and the urging of women into work as 'contraceptive employment'. Foregrounding a triage of ideas as the 'perfect-imperfect-resilience' McRobbie conveys some of the key means by which consumer capitalism attempts to manage the threats posed by the new feminisms. She proposes that 'resilience' emerges as a compromise, as hard-edged neoliberalism proffers the option of a return to liberal feminism.

A lively and devastating critique, *Feminism and Neoliberalism* offers a much-needed wake-up call. It is essential reading for students and scholars of cultural studies, media, sociology, and women's and gender studies.

APRIL 2020 200PP
978-1-5095-2506-5 CL \$64.95 (Japan)
978-1-5095-2507-2 PB \$22.95 (Japan)
Media Studies

Effective SEO and Content Marketing

The Ultimate Guide for Maximizing Free Web Traffic

NICHOLAS PAPAGIANNIS



Get beyond the basics and see how modern-day users are reimagining the SEO process

SEO is often underutilized and overlooked across the marketing realm today. SEO is not merely trying to improve your website ranking on Google, but it can spark and optimize ideas. Above all it can help improve the amount of free traffic coming to your web properties. This book provides you with a comprehensive approach to make sure marketing spend is utilized as effectively as possible and deliver the best ROI for your brand and business.

Maximizing your organic (free) traffic channels should be a top priority and this book will provide you with insight on how to do that. From working with social media influencers to steering creative ideas and campaigns, modern day SEO requires a full-service perspective of marketing and its processes.

In addition to learning the most effective processes to structure your SEO, you will have access to bonus materials that accompany this book which will include worksheets, checklists, creative brief examples, quizzes, and best interview questions when hiring an SEO specialist. Modern-day marketers, business owners, and brand managers, this book is for you!

APRIL 2020 336PP
978-1-119-62885-9 PB \$45.00 (Japan)
Mass Communication & The Media

The Internet of Things: From Data to Insight

JOHN DAVIES & CAROLINA FORTUNA

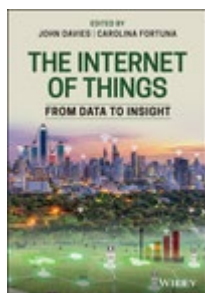
PROVIDES COMPREHENSIVE COVERAGE OF THE CURRENT STATE OF IoT, FOCUSING ON DATA PROCESSING INFRASTRUCTURE AND TECHNIQUES

Written by experts in the field, this book addresses the IoT technology stack, from connectivity through data platforms to end-user case studies, and considers the tradeoffs between business needs and data security and privacy throughout. There is a particular emphasis on data processing technologies that enable the extraction of actionable insights from data to inform improved decision making. These include artificial intelligence techniques such as stream processing, deep learning and knowledge graphs, as well as data interoperability and the key aspects of privacy, security and trust. Additional aspects covered include: creating and supporting IoT ecosystems; edge computing; data mining of sensor datasets; and crowd-sourcing, amongst others. The book also presents several sections featuring use cases across a range of application areas such as smart energy, transportation, smart factories, and more. The book concludes with a chapter on key considerations when deploying IoT technologies in the enterprise, followed by a brief review of future research directions and challenges. *The Internet of Things: From Data to Insight*

- Provides a comprehensive overview of the Internet of Things technology stack with focus on data driven aspects from data modelling and processing to presentation for decision making
- Explains how IoT technology is applied in practice and the benefits being delivered.
- Acquaints readers that are new to the area with concepts, components, technologies, and verticals related to and enabled by IoT
- Gives IoT specialists a deeper insight into data and decision-making aspects as well as novel technologies and application areas
- Analyzes and presents important emerging technologies for the IoT arena

The Internet of Things: From Data to Insight will appeal to a wide audience, including IT and network specialists seeking a broad and complete understanding of IoT, CIOs and CIO teams, researchers in IoT and related fields, final year undergraduates, graduate students, post-graduates, and IT and science media professionals.

APRIL 2020 240PP
978-1-119-54526-2 CL \$135.00 (Japan)
General & Introductory Computer Science



(ISC)2 CCSP Certified Cloud Security Professional Official Practice Tests

2nd Edition

BEN MALISOW

The only official CCSP practice test product endorsed by (ISC)²



With over 1,000 practice questions, this book gives you the opportunity to test your level of understanding and gauge your readiness for the Certified Cloud Security Professional (CCSP) exam long before the big day. These questions cover 100% of the CCSP exam domains, and include answers with full explanations to help you understand the reasoning and approach for each. Logical organization by domain allows you to practice only the areas you need to bring you up to par, without wasting precious time on topics you've already mastered.

As the only official practice test product for the CCSP exam endorsed by (ISC)², this essential resource is your best bet for gaining a thorough understanding of the topic. It also illustrates the relative importance of each domain, helping you plan your remaining study time so you can go into the exam fully confident in your knowledge.

When you're ready, two practice exams allow you to simulate the exam day experience and apply your own test-taking strategies with domains given in proportion to the real thing. The online learning environment and practice exams are the perfect way to prepare, and make your progress easy to track.

APRIL 2020 400PP
978-1-119-60349-8 PB \$40.00 (Japan)
NETWORKING / SECURITY

Architecting Enterprise Blockchain Solutions

JOSEPH HOLBROOK



Demystify architecting complex blockchain applications in enterprise environments

Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure.

Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems.

- * Provides a practical, hands-on approach
- * Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda
- * Explores how blockchain can be used to solve complex IT support and infrastructure problems
- * Offers numerous hands-on examples and diagrams
Get ready to learn how to harness the power and flexibility of enterprise blockchains!

APRIL 2020 400PP
978-1-119-55769-2 PB \$50.00 (Japan)
Computer Architecture

Hunting Cyber Criminals

A Hacker's Guide to Online Intelligence Gathering Tools and Techniques

VINNY TROIA



The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries.

This book's unique digital investigation proposition is a combination of story-telling, tutorials, and case studies.

This book is ideal for:

Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization.

Security analysts, forensic investigators, and SOC teams looking for new approaches on digital investigations from the perspective of collecting and parsing publicly available information.

CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization's data.

APRIL 2020 544PP
978-1-119-54092-2 PB \$40.00 (Japan)
Computer Security & Cryptography

文化研究

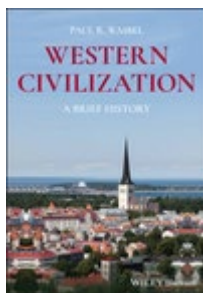
Western Civilization

A Brief History

PAUL R. WAIBEL

Belhaven College

A comprehensive yet concise introduction to Western Civilization, designed to interest and engage contemporary students



Western Civilization: A Brief History is a concise one-volume survey that covers the subject's ancient origins through to the early 21st century. Stressing social and intellectual history, rather than merely listing names and dates, this stimulating resource offers a more consistent and reader-friendly narrative than traditional textbooks. The author, with 40 years' experience teaching college-level Western Civilization and World History courses, emphasizes topics that stimulate student interest and encourage classroom participation.

A mixture of Judeo-Christian, Greco-Roman, Germanic traditions, Western Civilization first appeared in Europe following the fall of the Roman Empire in the West. The text explores key events, figures, themes, and characteristics in the history of Western Civilization. Grouped into six parts, chapters include brief chronologies of events, maps, and illustrations. Topics include Europe in the Middle Ages, the Renaissance and Reformation, the rise of medieval Christianity, Darwin and the Theory of Evolution, the Industrial Revolution, imperialism, the World Wars of the 20th century, the Cold War, and many others. Written with the needs of today's students in mind, this textbook:

- Offers accessible and straightforward coverage of the history of Western Civilization
- Provides a consistent style of writing and organizational theme
- Includes chronological overviews of ancient Greece, Rome, and the Near East

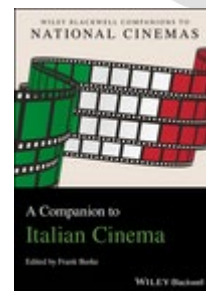
Western Civilization: A Brief History is an ideal introductory textbook for both traditional and non-traditional programs and Western Civilization courses at universities and colleges, as well as for those in dual enrollment and home school settings.

APRIL 2020 480PP
978-1-119-16071-7 PB \$49.95 (Japan)
Western Culture

A Companion to Italian Cinema

EDITOR FRANK BURKE

Queens University



Written by leading figures in the field, *A Companion to Italian Cinema* re-maps Italian cinema studies, employing new perspectives on traditional issues, and fresh theoretical approaches to the exciting history and field of Italian cinema.

- Offers new approaches to Italian cinema, whose importance in the post-war period was unrivalled
- Presents a theory based approach to historical and archival material
- Includes work by both established and more recent scholars, with new takes on traditional critical issues, and new theoretical approaches to the exciting history and field of Italian cinema
- Covers recent issues such as feminism, stardom, queer cinema, immigration and postcolonialism, self-reflexivity and postmodernism, popular genre cinema, and digitalization
- A comprehensive collection of essays addressing the prominent films, directors and cinematic forms of Italian cinema, which will become a standard resource for academic and non-academic purposes alike

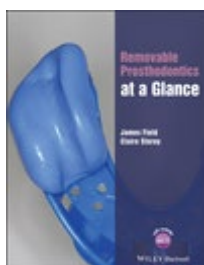
SERIES: WILEY BLACKWELL COMPANIONS TO NATIONAL CINEMAS

APRIL 2020 550PP
978-1-119-40639-6 PB \$54.95 (Japan)
9781444332285 CL \$202.75 (Japan) Published in JUNE 2017
Film Studies

Removable Prosthodontics at a Glance

JAMES FIELD & CLAIRE STOREY

Newcastle University, UK



Removable Prosthodontics at a Glance provides a comprehensive and accessible guide to the practical elements of complete and partial denture provision. It serves as the perfect illustrated guide for learners, and a handy revision guide for subsequent undergraduate and postgraduate studies.

Following the familiar, easy to use *at a Glance* format, each topic is presented as a double page spread with text accompanied by clear colour diagrams and clinical photographs to support conceptual understanding. Key concepts such as patient assessment, material handling, denture design, making impressions, and much more are explained and superbly illustrated enabling the reader to visualise the intended clinical endpoint.

Removable Prosthodontics at a Glance is a valuable resource for students studying dentistry and clinical dental technology, and those preparing for further studies in Prosthodontics.

SERIES: AT A GLANCE (DENTISTRY)

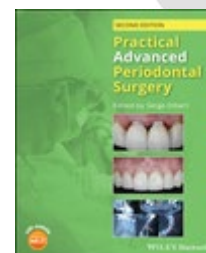
APRIL 2020 120PP
978-1-119-51074-1 PB \$70.00 (Japan)
Prosthodontics

Practical Advanced Periodontal Surgery

2nd Edition

SERGE DIBART

Boston University Henry M. Goldman
School of Dental Medicine



A fully updated second edition of this well-illustrated guide to advanced surgical procedures in periodontology

Practical Advanced Periodontal Surgery, Second Edition is a step-by-step guide to cutting-edge surgical techniques and interdisciplinary treatment approaches in periodontology. Written by leading experts in the field, the book provides solutions to complex daily dental challenges with innovative approaches to each treatment modality. Procedures are described in a practical and accessible style, highlighting complex and advanced procedures using a highly illustrated visual format.

This expanded edition includes three new chapters that cover IV sedation, digital technologies in clinical restorative dentistry, and advanced implant therapies in the esthetic zone post extraction. Well balanced and solidly grounded in the science, this reference work is an indispensable resource for the practitioner of advanced dentistry. This important guide:

- * Offers an easy-to-use, practical step-by-step format
 - * Contains clinical photographs that detail the surgical procedures presented
 - * Reviews the most advanced techniques in periodontal surgery and their integration with digital treatment planning and workflow
 - * Discusses the pros and cons for each procedure, as well as limitations and potential complications
 - * Features video clips illustrating key points in the procedures described on a companion website
- Written for periodontists, periodontal residents and general or restorative dentists, this revised edition of *Practical Advanced Periodontal Surgery* is a practical and complete clinical manual filled with illustrations for easy reference.

APRIL 2020
978-1-119-19631-0 CL \$114.99 (Japan)
PERIODONTOLOGY

Temporary Anchorage Devices in Clinical Orthodontics

JAE HYUN PARK

Arizona School of Dentistry and Oral Health

Provides the latest information on all aspects of using temporary anchorage devices in clinical orthodontics, from diagnosis and treatment planning to appliances and applications

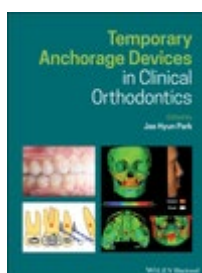
Written by some of the world's leading experts in orthodontics, *Temporary Anchorage Devices in Clinical Orthodontics* is a comprehensive, up-to-date reference that covers all aspects of temporary anchorage device (TAD) use in contemporary orthodontics. Taking a real-world approach to the subject, it covers topics ranging from diagnosis and treatment planning to the many applications and management of complications. Case studies demonstrate the concepts, and high-quality clinical photographs support the text throughout.

The book begins with an overview of clinical applications and fundamental principles of TADs. It then goes on to cover biomechanical considerations for controlling target tooth movement with TADs. Biomechanical simulations for various clinical scenarios treated with TADs are addressed next, followed by an examination of histological aspects during the healing process and anatomical considerations with TADs. Other chapters cover: Class II Correction with TADs, Distalization with TADs, TAD-anchored Maxillary Protraction, Maxillary Expansion with TADs, Anterior Open Bite Correction with TADs, TAD-assisted Aligner Therapy, TADs vs. Orthognathic Surgery; Legal Considerations When Using TADs; and much more.

- Provides evidence-based information on the use of TADs, with a focus on improving outcomes for patients
- Considers topics ranging from diagnosis and treatment planning to specific clinical applications and appliances
- Takes a real-world clinical approach, with case studies demonstrating concepts
- Written by international experts in the field
- Presents hundreds of high-quality clinical photographs to support the text

Temporary Anchorage Devices in Clinical Orthodontics is an essential resource for orthodontists and orthodontic residents.

APRIL 2020 808PP
978-1-119-51347-6 CL \$249.99 (Japan)
Orthodontics



Textbook for Orthodontic Therapists

CERI DAVIES

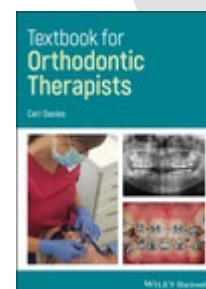
University of Wales, Swansea

Textbook for Orthodontic Therapists is a comprehensive text specifically designed for orthodontic therapists. Written in an accessible and digestible format, it provides the essential clinical and theoretical knowledge needed for daily clinical practice.

Covering learning outcomes required by the examining bodies and the General Dental Council (GDC), it includes topics such as common types of orthodontic appliances, frequently found orthodontic problems, skeletal assessment and classification of malocclusion. It also contains information on subjects relevant to the dental profession for example medical emergencies, clinical governance and more.

Written to help the reader understand the role and function of an orthodontic therapist, *Textbook for Orthodontic Therapists* offers support to those undertaking the Diploma in Orthodontic Therapy and to assist those who already work as orthodontic therapists, helping them in their quest to enhance safe and effective care.

APRIL 2020 424PP
978-1-119-56545-1 PB \$65.00 (Japan)
Orthodontics

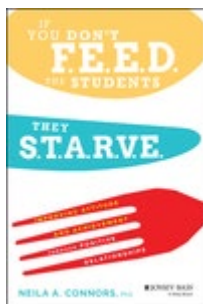


教育

If You Don't Feed the Students, They Starve

Improving Attitude and Achievement through Positive Relationships

NEILA A. CONNORS, TALLAHASSEE, UNITED STATES



- From the author of the bestselling *If You Don't Feed the Teachers, They Eat the Students*, a light, yet insightful guide for teachers on how they can improve their and their students' performance through developing positive teacher-student relationships.
- The author describes how to create a classroom climate that is enjoyable and conducive to learning, how to motivate students, and how to be a great teacher.
- Presented through a profusion of tips, strategies, lists and checklists with something of use to every teacher in grades K-12.

APRIL 2020 192PP
978-0-470-57779-0 PB \$22.95 (Japan)
General & Introductory Education

A Human Ecological Language Pedagogy

GLENN S. LEVINE

SERIES: MODERN LANGUAGE JOURNAL MONOGRAPH SERIES

APRIL 2020
978-1-119-69794-7 PB \$39.95 (Japan)
Language Teaching

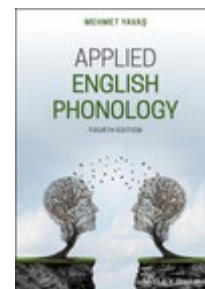
Applied English Phonology

4th Edition

MEHMET YAVAS

Florida International University

The new edition of the leading textbook for English applied phonetics and phonology



A leading textbook for English Phonetics and Phonology, the fourth edition of *Applied English Phonology* is an accessible, authoritative introduction to the English sound system. Providing clear explanations and numerous illustrative examples, this new edition has been fully updated with the latest research and references. Detailed discussions of fundamental concepts of applied English phonology cover phonetic elements, phonemics, English consonants and vowels, stress and intonation, structural factors in second language phonology, and much more.

Designed for students and professionals in both theoretical and applied linguistics, education, and communication sciences and disorders, this textbook contains new material throughout, including a new chapter introducing typical phonological development, patterns of simplification, and disordered phonology. Expanded sections explore topics such as contracted forms, issues in consonant and vowel transcription conventions, and regional dialects of American English. The essential introduction to phonetics and phonology, this textbook:

- Presents new and revised exercises, references, and recommended readings
- Covers developmental disorders relevant to the field of speech pathology
- Includes end-of-chapter passages that help students check their phonetic transcriptions
- Features an enhanced companion website which contains instructor resources and sound files for transcription exercises

Written by an internationally recognized scholar and educator, *Applied English Phonology, Fourth Edition* is essential reading for anyone in applied phonetics and phonology courses, as well as students and practitioners in areas of language and linguistics, TESOL, and communication sciences and disorders.

APRIL 2020 339PP
978-1-119-55744-9 PB \$47.95 (Japan)
Language Teaching

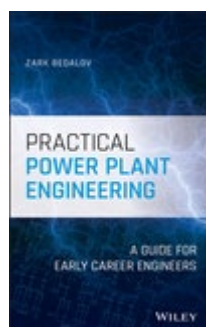
電気電子工学

Practical Power Plant Engineering

A Guide for Early Career Engineers

ZARK BEDALOV

Practical Power Plant Engineering offers engineers, new to the profession, a guide to the methods of practical design, equipment selection and operation of power and heavy industrial plants as practiced by experienced engineers. The author—a noted expert on the topic—draws on decades of practical experience working in a number of industries with ever-changing technologies. This comprehensive book, written in 26 chapters, covers the electrical activities from plant design, development to commissioning. It is filled with descriptive examples, brief equipment data sheets, relay protection, engineering calculations, illustrations, and common-sense engineering approaches.



The book explores the most relevant topics and reviews the industry standards and established engineering practices. For example, the author leads the reader through the application of MV switchgear, MV controllers, MCCs and distribution lines in building plant power distribution systems, including calculations of interrupting duty for breakers and contactors. The text also contains useful information on the various types of concentrated and photovoltaic solar plants as well as wind farms with DFIG turbines. This important book:

- * Explains why and how to select the proper ratings for electrical equipment for specific applications
- * Includes information on the critical requirements for designing power systems to meet the performance requirements
- * Presents tests of the electrical equipment that prove it is built to the required standards and will meet plant-specific operating requirements

Written for both professional engineers early in their career and experienced engineers, *Practical Power Plant Engineering* is a must-have resource that offers the information needed to apply the concepts of power plant engineering in the real world.

APRIL 2020 672PP
978-1-119-53494-5 CL \$125.00 (Japan)
Professional Development for Engineers

5G Verticals

Customizing Applications, Technologies and Deployment Techniques

EDITOR RATH VANNITHAMBY & EDITOR
ANTHONY SOONG

A comprehensive text to an understanding the next generation mobile broadband and wireless Internet of Things (IoT) technologies



5G Verticals brings together in one comprehensive volume a group of visionaries and technical experts from academia and industry. The expert authors discuss the applications and technologies that comprise 5G verticals. The earlier network generations (2G to 4G) were designed as on-size-fits-all, general-purpose connectivity platforms with limited differentiation capabilities. 5G networks have the capability to demand customizable mobile networks and create an ecosystem for technical and business innovation involving vertical markets such as automotive, healthcare, manufacturing, energy, food and agriculture, city management, government, public transportation, media and more.

5G will serve a large portfolio of applications with various requirements ranging from high reliability to ultra-low latency going through high bandwidth and mobility. In this book, the authors explore applications and usages of various 5G verticals including a set of key metrics for these uses and their corresponding target requirements. The book also examines the potential network architectures and enabling technologies to meet the requirements of 5G verticals. This important book:

- Offers a comprehensive resource to the promise of 5G Verticals
- Provides a set of key metrics for the uses and target requirements
- Contains illustrative examples of the technology and applications
- Includes contributions from experts in the field and professionals that developed the 5G standards
- Provides an analysis of specific vertical industries which have the potential to be among the first industries to use 5G

Written for industry practitioners, engineers and researchers, *5G Verticals* discusses the technology that enables the 5G system to be flexibly deployed and scaled.

APRIL 2020 320PP
978-1-119-51481-7 CL \$125.00 (Japan)
Communication Technology

New Radio

A Beam-based Air Interface

EDITOR MIHAI ENESCU

A guide to the 3GPP-specified 5G physical layer with a focus on the new beam-based dimension in the radio system

5G New Radio: A Beam-based Air Interface is an authoritative guide to the newly 3GPP-specified 5G physical layer. The contributors--noted experts on the topic and creators of the actual standard--focus on the beam-based operation which is a new dimension in the radio system due to the millimeter wave deployments of 5G. The book contains information that complements the 3GPP specification and helps to connect the dots regarding key features.

The book assumes a basic knowledge of multi-antenna technologies and covers the physical layer aspects related to beam operation, such as initial access, details of reference signal design, beam management, and DL and UL data channel transmission. The contributors also provide a brief overview of standardization efforts, IMT-2020 submission, 5G spectrum, and performance analysis of 5G components. This important text:

- Contains information on the 3GPP-specified 5G physical layer
- Highlights the beam-based operation
- Covers the physical layer aspects related to beam operation
- Includes contributions from experts who created the standard

Written for students and development engineers working with 5G NR, *5G New Radio: A Beam-based Air Interface* offers an expert analysis of the 3GPP-specified 5G physical layer.

APRIL 2020 300PP
978-1-119-58238-0 CL \$130.00(Japan)
Antennas & Propagation

Spectrum Sharing

The Next Frontier in Wireless Networks

THARMALINGAM RATNARAJAH, CONSTANTINOS B. PAPADIAS & DIRK T. M. SLOCK

Combines the latest trends in spectrum sharing, both from a research and a standards/regulation/experimental standpoint



Written by noted professionals from academia, industry, and research labs, this unique book provides a comprehensive treatment of the principles and architectures for spectrum sharing in order to help with the existing and future spectrum crunch issues. It presents readers with the most current standardization trends, including CEPT / CEE, eLSA, CBRS, MulteFire, LTE-Unlicensed (LTE-U), LTE WLAN integration with Internet Protocol security tunnel (LWIP), and LTE/Wi-Fi aggregation (LWA), and offers substantial trials and experimental results, as well as system-level performance evaluation results. The book also includes a chapter focusing on spectrum policy reinforcement and another on the economics of spectrum sharing.

Beginning with the historic form of cognitive radio, *Spectrum Sharing: The Next Frontier in Wireless Networks* continues with current standardized forms of spectrum sharing, and reviews all of the technical ingredients that may arise in spectrum sharing approaches. It also looks at policy and implementation aspects and ponders the future of the field. White spaces and data base-assisted spectrum sharing are discussed, as well as the licensed shared access approach and cooperative communication techniques. The book also covers reciprocity-based beam forming techniques for spectrum sharing in MIMO networks; resource allocation for shared spectrum networks; large scale wireless spectrum monitoring; and much more.

Spectrum Sharing: The Next Frontier in Wireless Networks is highly recommended for graduate students and researchers working in the areas of wireless communications and signal processing engineering. It would also benefit radio communications engineers and practitioners.

SERIES: WILEY – IEEE

APRIL 2020 456PP
978-1-119-55149-2 CL \$135.00 (Japan)
Mobile & Wireless Communications

Wireless Connectivity

An Intuitive and Fundamental Guide

PETAR POPOVSKI

Aalborg University

- * Presents information systematically, starting with simple concepts and successively increases the complexity of the systems
- * Provides a comprehensible overview of current and future concepts in wireless communications over all layers
- * Offers a novel fundamental and intuitive system-level treatment of the functions of a network
- * Explores the reasons why some design decisions were made, and what the alternatives could have been
- * Recommends further reading and presents a summary at the end of each chapter and includes case studies and examples



READERSHIP: Graduate students; researchers in the area of information and communication technologies; system architects; RF engineers; baseband engineers; protocol engineers; communications engineering; protocol designers; application designers; network designers; standardization bodies; spectrum regulation authorities; senior undergraduate students

APRIL 2020 416PP
978-0-470-68399-6 CL \$135.00 (Japan)
Mobile & Wireless Communications

Fog and Fogonomics

Challenges and Practices of Fog Computing, Communication, Networking, Strategy, and Economics

EDITOR YANG YANG, EDITOR JIANWEI HUANG, EDITOR TAO ZHANG & EDITOR JOE WEINMAN, BASKING RIDGE

Telcordia Technologies, USA; Hewlett Packard

THE ONE-STOP RESOURCE FOR ANY INDIVIDUAL OR ORGANIZATION CONSIDERING FOG COMPUTING

Fog and Fogonomics is a comprehensive and technology-centric resource that highlights the system model, architectures, building blocks, and IEEE standards for fog computing platforms and solutions. The "fog" is defined as the multiple interconnected layers of computing along the continuum from cloud to endpoints such as user devices and things including racks or microcells in server closets, residential gateways, factory control systems, and more. The authors—noted experts on the topic—review business models and metrics that allow for the economic assessment of fog-based information communication technology (ICT) resources, especially mobile resources. The book contains a wide range of templates and formulas for calculating quality-of-service values. Comprehensive in scope, it covers topics including fog computing technologies and reference architecture, fog-related standards and markets, fog-enabled applications and services, fog economics (fogonomics), and strategy.



Written for product and systems engineers and designers, as well as for faculty and students, *Fog and Fogonomics* is an essential book that explores the technological and economic issues associated with fog computing.

SERIES: INFORMATION AND COMMUNICATION TECHNOLOGY SERIES

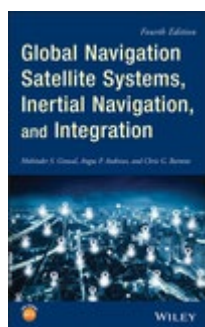
APRIL 2020 416PP
978-1-119-50109-1 CL \$125.00 (Japan)
Communication Technology - Networks

Global Navigation Satellite Systems, Inertial Navigation, and Integration

4th Edition

MOHINDER S. GREWAL, ANGUS P. ANDREWS & CHRIS G. BARTONE

College of Engineering and Computer Science, California State University at Fullerton; Rockwell Science Center, Thousand Oaks, California



Covers significant changes in GPS/INS technology, and includes new material on GPS, GNSSs

including GPS, Glonass, Galileo, BeiDou, QZSS, and IRNSS/NAVIC, and MATLAB programs on square root information filtering (SRIF)

This book provides readers with solutions to real-world problems associated with global navigation satellite systems, inertial navigation, and integration. It presents readers with numerous detailed examples and practice problems, including GNSS-aided INS, modeling of gyros and accelerometers, and SBAS and GBAS. This revised fourth edition adds new material on GPS III and RAIM. It also provides updated information on low cost sensors such as MEMS, as well as GLONASS, Galileo, BeiDou, QZSS, and IRNSS/NAVIC, and QZSS. Revisions also include added material on the more numerically stable square-root information filter (SRIF) with MATLAB programs and examples from GNSS system state filters such as ensemble time filter with square-root covariance filter (SRCF) of Bierman and Thornton and SigmaRho filter.

Global Navigation Satellite Systems, Inertial Navigation, and Integration, Fourth Edition is intended for people who need a working knowledge of Global Navigation Satellite Systems (GNSS), Inertial Navigation Systems (INS), and the Kalman filtering models and methods used in their integration.

APRIL 2020 608PP
978-1-119-54783-9 CL \$135.00 (Japan)
SATELLITE COMMUNICATIONS

Robot Modeling and Control

2nd Edition

MARK W. SPONG, SETH HUTCHINSON
& M. VIDYASAGAR



University of Illinois at Urbana-Champaign; University of Illinois at Urbana-Champaign; University of Waterloo

A New Edition Featuring Case Studies and Examples of the Fundamentals of Robot Kinematics, Dynamics, and Control

In the 2nd Edition of *Robot Modeling and Control*, students will cover the theoretical fundamentals and the latest technological advances in robot kinematics. With so much advancement in technology, from robotics to motion planning, society can implement more powerful and dynamic algorithms than ever before. This in-depth reference guide educates readers in four distinct parts; the first two serve as a guide to the fundamentals of robotics and motion control, while the last two dive more in-depth into control theory and nonlinear system analysis.

With the new edition, readers gain access to new case studies and thoroughly researched information covering topics such as:

- *Motion-planning, collision avoidance, trajectory optimization, and control of robots
- *Popular topics within the robotics industry and how they apply to various technologies
- *An expanded set of examples, simulations, problems, and case studies
- *Open-ended suggestions for students to apply the knowledge to real-life situations

A four-part reference essential for both undergraduate and graduate students, *Robot Modeling and Control* serves as a foundation for a solid education in robotics and motion planning.

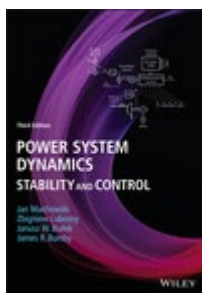
APRIL 2020 650PP
978-1-119-52399-4 CL \$145.00 (Japan)
Robotics

Power System Dynamics

Stability and Control

3rd Edition

JAN MACHOWSKI, ZBIGNIEW LUBOSNY,
JANUSZ W. BIALEK & JAMES R BUMBAY



Warsaw University of Technology, Poland; University of
Durham ; University of Durham

**An authoritative guide to the most up-to-date information
on power system dynamics**

The revised third edition of *Power System Dynamics and Stability* contains a comprehensive, state-of-the-art review of information on the topic. The third edition continues the successful approach of the first and second editions by progressing from simplicity to complexity. It places the emphasis first on understanding the underlying physical principles before proceeding to more complex models and algorithms. The book is illustrated by a large number of diagrams and examples.

The third edition of *Power System Dynamics and Stability* explores the influence of wind farms and virtual power plants, power plants inertia and control strategy on power system stability.

Power System Dynamics: Stability and Control, Third Edition is an essential resource for students of electrical engineering and for practicing engineers and researchers who need the most current information available on the topic.

APRIL 2020 832PP
978-1-119-52634-6 CL \$110.00 (Japan)
POWER ELECTRONICS

Wireless Power Transmission for Sustainable Electronics

COST WiPE - IC1301

EDITOR NUNO BORGES CARVALHO &
EDITOR APOSTOLOS GEORGIADIS

Centre Tecnologic de
Telecomunicacions de Catalunya,
Castelldefels, Barcelona, Spain



**Provides a collection of works
produced by COST Action IC1301
with the goal of achieving significant
advances in the field of wireless power transmission**

This book constitutes together information from COST Action IC1301, a group of academic and industry experts seeking to align research efforts in the field of wireless power transmission (WPT). It begins with a discussion of backscatter as a solution for Internet of Things (IoT) devices and goes on to describe ambient backscattering sensors that use FM broadcasting for low cost and low power wireless applications. The book also explores localization of passive RFID tags and augmented tags using nonlinearities of RFID chips. It concludes with a review of methods of electromagnetic characterization of textile materials for the development of wearable antennas.

Wireless Power Transmission for Sustainable Electronics: COST WiPE - IC1301 covers textile-supported wireless energy transfer, and reviews methods for the electromagnetic characterization of textile materials for the development of wearable antennas. It also looks at: backscatter RFID sensor systems for remote health monitoring; simultaneous localization (of robots and objects) and mapping (SLAM); autonomous system of wireless power distribution for static and moving nodes of wireless sensor networks; and more.

- Presents techniques for smart beam-forming for "on demand" wireless power transmission (WPT)
- Discusses RF and microwave energy harvesting for space applications
- Describes miniaturized RFID transponders for object identification and sensing

Wireless Power Transmission for Sustainable Electronics: COST WiPE - IC1301 is an excellent book for both graduate students and industry engineers involved in wireless communications and power transfer, and sustainable materials for those fields.

APRIL 2020 432PP
978-1-119-57854-3 CL \$135.00 (Japan)
Power Electronics

Engineering Autonomous Vehicles and Robots

The DragonFly Modular-based Approach

SHAOSHAN LIU

Offers a step-by-step guide to building autonomous vehicles and robots, with source code and accompanying videos

The first book of its kind on the detailed steps for creating an autonomous vehicle or robot, this book provides an overview of the technology and introduction of the key elements involved in developing autonomous vehicles, and offers an excellent introduction to the basics for someone new to the topic of autonomous vehicles and the innovative, modular-based engineering approach called DragonFly.

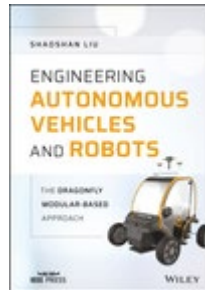
Engineering Autonomous Vehicles and Robots: The DragonFly Modular-based Approach covers everything that technical professionals need to know about: CAN bus, chassis, sonars, radars, GNSS, computer vision, localization, perception, motion planning, and more. Particularly, it covers Computer Vision for active perception and localization, as well as mapping and motion planning. The book offers several case studies on the building of an autonomous passenger pod, bus, and vending robot. It features a large amount of supplementary material, including the standard protocol and sample codes for chassis, sonar, and radar. GPSD protocol/NMEA protocol and GPS deployment methods are also provided. Most importantly, readers will learn the philosophy behind the DragonFly modular-based design approach, which empowers readers to design and build their own autonomous vehicles and robots with flexibility and affordability.

- Offers progressive guidance on building autonomous vehicles and robots
- Provides detailed steps and codes to create an autonomous machine, at affordable cost, and with a modular approach
- Written by one of the pioneers in the field building autonomous vehicles
- Includes case studies, source code, and state-of-the-art research results

Engineering Autonomous Vehicles and Robots is an excellent book for students, researchers, and practitioners in the field of autonomous vehicles and robots.

SERIES: WILEY - IEEE

APRIL 2020 250PP
978-1-119-57056-1 CL \$120.00 (Japan)
Computer Vision



Frequency Variations in Power Systems

Modeling, State Estimation and Control

FEDERICO MILANO & ALVARO ORTEGA MANJAVACAS

Frequency Variations in Power Systems: Modeling, State Estimation and Control presents the Frequency Divider Formula (FDF); a unique approach that defines, calculates and estimates the frequency in electrical energy systems. This

authoritative book is written by two noted researchers on the topic. They define the meaning of frequency of an electrical quantity (such as voltage and current) in non-stationary conditions (for example the frequency is not equal to the nominal one) and pose the foundation of the frequency divider formula. The book describes the consequences of using a variable frequency in power system modelling and simulations, in state estimation and frequency control applications.

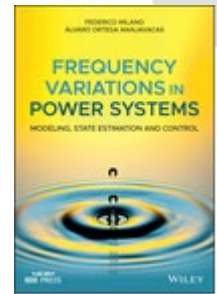
In addition, the authors include a discussion on the applications of the frequency divider in systems where part of the generation is not based on synchronous machines, but rather on converter-interfaced energy resources, such as wind and solar power plants. This important book:

- Offers a review that clearly defines and shows how the Frequency Divider Formula can be applied
- Discusses the link between frequency and energy in power systems
- Presents a unified vision that accurately reveals the common thread that links modelling, control and estimation
- Includes information on the many implications that "local frequency variations" have on power system dynamics and control
- Contains several numerical examples

Written for researchers, academic staff members, students, specialised consultants and professional software developers, *Frequency Variations in Power Systems* questions the conventional transient stability model of power system and proposes a new formulation.

SERIES: WILEY - IEEE

APRIL 2020 250PP
978-1-119-55184-3 CL \$135.00 (Japan)
Electric Power Systems



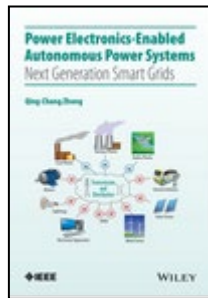
Power Electronics-Enabled Autonomous Power Systems

Next Generation Smart Grids

QING-CHANG ZHONG

The University of Sheffield, UK

Provides a holistic grid architecture and enabling technologies for next-generation smart grid



Power systems worldwide are going through a paradigm shift from centralized generation to distributed generation. This book presents the SYNDEM (i.e., synchronized and democratized) grid architecture and its technical routes to harmonize the integration of renewable energy sources, electric vehicles, storage systems, and flexible loads, with the synchronization mechanism of synchronous machines, to enable autonomous operation of power systems, and to promote energy freedom.

This is a game changer for the grid. It is the sort of breakthrough like the touch screen in smart phones that helps to push an industry from one era to the next, as reported by Keith Schneider, a New York Times correspondent since 1982.

This book contains an introductory chapter and additional 24 chapters in five parts: Theoretical Framework, First-Generation VSM (virtual synchronous machines), Second-Generation VSM, Third-Generation VSM, and Case Studies. Most of the chapters include experimental results.

Power Electronics-Enabled Autonomous Power Systems is an excellent book for researchers, engineers, and students involved in energy and power systems, electrical and control engineering, and power electronics. The SYNDEM theoretical framework chapter is also suitable for policy makers, legislators, entrepreneurs, commissioners of utility commissions, energy and environmental agency staff, utility personnel, investors, consultants, and attorneys.

SERIES: WILEY – IEEE

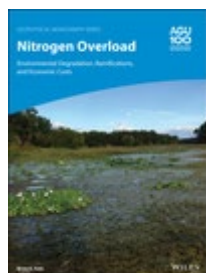
APRIL 2020 250PP
978-1-118-80352-3 CL \$140.00 (Japan)
Smart Grid

環境科学

Nitrogen Overload

Environmental Degradation, Ramifications, and Economic Costs

BRIAN G KATZ



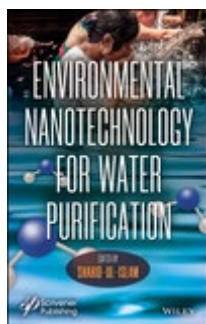
An integrated approach to understanding and mitigating the problem of excess nitrogen Human activities generate large amounts of excess nitrogen, which has dramatically altered the nitrogen cycle. Reactive forms of nitrogen, especially nitrate and ammonia, are particularly detrimental. Given the magnitude of the problem, there is an urgent need for information on reactive nitrogen and its effective management. *Nitrogen Overload: Environmental Degradation, Ramifications, and Economic Costs* presents an integrated, multidisciplinary review of alterations to the nitrogen cycle over the past century and the wide-ranging consequences of nitrogen-based pollution, especially to aquatic ecosystems and human health.

SERIES: GEOPHYSICAL MONOGRAPH SERIES

APRIL 2020 272PP
978-1-119-51396-4 CL \$199.95 (Japan)
Environmental Change

Environmental Nanotechnology for Water Purification

SHAHID UL-ISLAM



APRIL 2020 450PP
978-1-119-64045-5 CL \$225.00 (Japan)
Ecotoxicology & Pollution Science

Applied Multidimensional Geological Modeling

EDITOR A KEITH TURNER, EDITOR MICHIEL
VAN DER MEULEN & EDITOR HOLGER
KESSLER



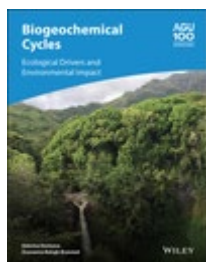
Over the past decades, geological survey organizations have digitized their data handling and holdings, unlocking vast amounts of data and information for computer processing. They have undertaken 3-D modeling alongside, and in some cases instead of, conventional geological mapping and begun delivering both data and interpretations to increasingly diverse stakeholder communities. *Applied Multidimensional Geological Modeling* provides a citable central source that documents the current capabilities and contributions of leading geological survey organization and other practitioners in industry and academia that are producing multidimensional geological models. This book focuses on applications related to human interactions with conditions in the shallow subsurface, within 100-200 m of the surface. The 26 chapters, developed by 100 contributors associated with 37 organizations, discuss topics relevant to any geologist, scientist, engineer, urban planner, or decision maker whose practice includes assessment or planning of underground space.

APRIL 2020 450PP
978-1-119-16312-1 CL \$190.00 (Japan)
Geology & Geophysics

Biogeochemical Cycles

Ecological Drivers and
Environmental Impact

KATERINA DONTSOVA, ZSUZSANNA
BALOGH-BRUNSTAD & GA&EUM;LE ROUX



A Study in Earth's Geological Evolution

The Baltic Shield

N. O. SOROKHTIN

APRIL 2020 350PP
978-1-119-65097-3 CL \$225.00 (Japan)
Geology & Geophysics

Biogeochemical Cycles: Ecological Drivers and Environmental Impact is a collection of the latest information on the techniques and methods currently used in this field, focusing on biological and/or ecological effects of biogeochemical elemental cycles including carbon, nitrogen, major and trace elements, chemical weathering on multiple scales of nanometers to watersheds, and advances in technology of studying these processes.

Volume highlights include:

- Remote sensing and modeling techniques used to quantify changes in the ecosystem/s productivity, and microscopic techniques to estimate the extent of weathering
- Novel isotopic techniques to assess changes in trace elemental cycles as influenced by the changing climate, and plant-mediated effect of climate change on major elemental cycles
- Impact of climate change and other anthropogenic influences in agricultural and extreme (frontier) environments

Biogeochemical Cycles: Ecological Drivers and Environmental Impact is a valuable resource for students, researchers and professionals in the field of biogeosciences, hydrology, ecology, earth and planetary surface processes, volcanology, petrology, geochemistry, mineralogy, soil science, agricultural science, climate change and environmental science.

SERIES: GEOPHYSICAL MONOGRAPH SERIES

APRIL 2020
978-1-119-41330-1 CL \$199.95 (Japan)
Geology & Geophysics

Introduction to Ore-Forming Processes 2nd Edition

LAURENCE ROBB
University of Witwatersrand

**A comprehensive account of ore-forming processes,
revised and updated**

The revised second edition of *Introduction to Ore-Forming Processes* offers a guide to the multiplicity of geological processes that result in the formation of mineral deposits. The second edition has been updated to reflect the most recent developments in the study of metallogeny and earth system science.

This second edition contains new information about global tectonic processes and crustal evolution that continues to influence the practice of economic geology and maintains the supply of natural resources in a responsible and sustainable way. The replenishment of depleted natural resources is becoming more difficult and environmentally challenging. There is also a change in the demand for mineral commodities and the concern around the non-sustainable supply of 'critical metals' is now an important consideration for planners of the future. The book puts the focus on the responsible custodianship of natural resources and the continuing need for all earth scientists to understand metallogeny and the resource cycle. This new edition:

- Provides an updated guide to the processes involved in the formation of mineral deposits
- Offers an overview of magmatic, hydrothermal and sedimentary ore-forming processes
- Covers the entire range of mineral deposit types, including the fossil fuels and supergene ores
- Relates metallogeny to global tectonics by examining the distribution of mineral deposits in space and time
- Contains examples of world famous ore deposits that help to provide context and relevance to the process-oriented descriptions of ore genesis

Written for students and professionals alike, *Introduction to Ore-Forming Processes* offers a revised second edition that puts the focus on the fact that mineral deposits are simply one of the many natural wonders of geological process and evolution.

APRIL 2020 496PP
978-1-119-96750-7 PB \$70.00 (Japan)
ECONOMIC & APPLIED GEOLOGY

Introduction to Paleobiology and the Fossil Record, 2nd Edition

MICHAEL J. BENTON & DAVID A. T. HARPER

University of Bristol; University of Copenhagen, Denmark

This book presents a comprehensive overview of the science of the history of life. Paleobiologists bring many analytical tools to bear in interpreting the fossil record and the book introduces the latest techniques, from multivariate investigations of biogeography and biostratigraphy to engineering analysis of dinosaur skulls, and from homeobox genes to cladistics.

All the well-known fossil groups are included, including microfossils and invertebrates, but an important feature is the thorough coverage of plants, vertebrates and trace fossils together with discussion of the origins of both life and the metazoans. All key related subjects are introduced, such as systematics, ecology, evolution and development, stratigraphy and their roles in understanding where life came from and how it evolved and diversified.

Unique features of the book are the numerous case studies from current research that lead students to the primary literature, analytical and mathematical explanations and tools, together with associated problem sets and practical schedules for instructors and students.

New to this edition

1. The text and figures have been updated throughout to reflect current opinion on all aspects.
2. Many 2000-2009 case studies have been replaced with examples from 2010-2015. In selecting case studies to illustrate the chapters, the authors have chosen examples where the story is strong and well illustrated, where the source paper is attractive and easy for enthusiastic undergraduates to read, and ideally where the work has been done by a young person, and these will be noted to show what Masters and PhD students, and young postdocs are doing. [Case studies will reflect a broad distribution internationally, and an equitable spread by gender, emphasizing work by young women and citizens of developing countries.]
3. The chapters on Macroevolution, Form and Function, Mass extinctions, Origin of Life, and Origin of Metazoans are entirely rewritten to reflect substantial advances that have been taking place.

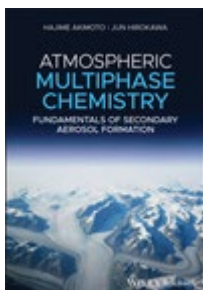
APRIL 2020 640PP
978-1-119-27285-4 PB \$70.00 (Japan)
Paleontology, Paleobiology & Geobiology

Atmospheric Multiphase Reaction Chemistry

Fundamentals of Secondary Aerosol Formation

HAJIME AKIMOTO & JUN HIROKAWA

AN IMPORTANT GUIDE THAT HIGHLIGHTS THE MULTIPHASE CHEMICAL PROCESSES FOR STUDENTS AND PROFESSIONALS WHO WANT TO LEARN MORE ABOUT AEROSOL CHEMISTRY



Atmospheric Multiphase Reaction Chemistry provides the information and knowledge of multiphase chemical processes and offers a review of the fundamentals on gas-liquid equilibrium, gas phase reactions, bulk aqueous phase reactions, and gas-particle interface reactions related to formation of secondary aerosols. The authors--noted experts on the topic--also describe new particle formation, and cloud condensation nuclei activity. In addition, the text includes descriptions of field observations on secondary aerosols and PM_{2.5}.

Atmospheric aerosols play a critical role in air quality and climate change. There is growing evidence that the multiphase reactions involving heterogeneous reactions on the air-particle interface and the reactions in the bulk liquid phase of wet aerosol and cloud/fog droplets are important processes forming secondary aerosols in addition to gas-phase oxidation reactions to form low-volatile compounds. Comprehensive in scope, the book offers an understanding of the topic by providing a historical overview of secondary aerosols, the fundamentals of multiphase reactions, gas-phase reactions of volatile organic compounds, aqueous phase and air-particle interface reactions of organic compound. This important text:

- Provides knowledge on multiphase chemical processes for graduate students and research scientists
- Includes fundamentals on gas-liquid equilibrium, gas phase reactions, bulk aqueous phase reactions, and gas-particle interface reactions related to formation of secondary aerosols
- Covers in detail reaction chemistry of secondary organic aerosols

Written for students and research scientists in atmospheric chemistry and aerosol science of environmental engineering, *Atmospheric Multiphase Reaction Chemistry* offers an essential guide to the fundamentals of multiphase chemical processes.

APRIL 2020 600PP
978-1-119-42242-6 CL \$165.00 (Japan)
Atmospheric Physics & Chemistry

Production

WILSON C. CHIN

Charged in the 1990s with solving some of petroleum engineering's biggest problems that the industry deemed "unsolvable," the authors of this innovative new volume solved those problems, not just using a well-published math model, but one optimized to run rapidly, the first time, every time. This not only provides numerical output, but production curves and color pressure plots automatically. And each in a single hour of desk time.

Using their *Multisim* software that is featured in this volume, secondary school students at the Aldine Independent School District delivered professional quality simulations in a training program funded by some of the largest energy companies in the world. Think what you, as a professional engineer, could do in your daily work. Valuable with or without the software, this volume is the cutting-edge of reservoir engineering today, prefacing each chapter with a "trade journal summary" followed by hands-on details, allowing readers to replicate and extend results for their own applications. This volume covers Parent-Child, Multilateral Well and Fracture Flow Interactions, reservoir flow analysis, many other issues involving fluid flow, fracturing, and many other common "unsolvable" problems that engineers encounter every day. It is a must-have for every engineer's bookshelf.

SERIES: ADVANCES IN PETROLEUM ENGINEERING

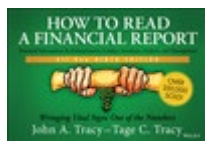
APRIL 2020 396PP
978-1-119-28344-7 CL \$225.00 (Japan)
Fossil Fuels

ファイナンス／インベストメント

How to Read a Financial Report

Wringing Vital Signs Out of the Numbers, 9th Edition

JOHN A. TRACY & TAGE C. TRACY
University of Colorado



The updated new edition of the comprehensive guide to reading and understanding financial reports

Financial reports are used to provide a range of vital information, including an organization's cash flow, financial condition, and profit performance (aka The Big Three Financial Statements). Financial statements are often complex and extremely difficult to understand for anyone other than accounting and finance professionals. *How to Read a Financial Report* enables investors, lenders, business leaders, analysts, and managers to read, analyze, and interpret financial accounting reports. Designed specifically for non-specialists, this reader-friendly resource covers the fundamentals of financial reporting in jargon-free English. Topics such as sales revenue & recognition, costs of goods sold, sources & uses of capital/cash, non-cash expenses (e.g., depreciation expense), income tax obligations, understanding profits & financial stability, and financial statement ratios & analysis are covered throughout the book.

Now in its ninth edition, this bestselling guide has been thoroughly revised to reflect changes in accounting and financial reporting rules, current practices, and recent trends. New and expanded content explains managing cash flow, illustrates the deceitful misrepresentation of profits in some financial reports (aka Financial Engineering), and more. Further, end-of-chapter activities help readers learn the intricacies of the balance sheet and cash flow statement, while updated sections address shifts in regulatory standards. Written by two highly experienced experts in financial accounting, this resource:

- Enables readers to cut through the noise and focus on what financial reports and financial statements are really saying about a company
- Clarifies commonly misunderstood aspects of financial reporting and how companies can "financially engineer" operating results
- Offers comprehensive, step-by-step guidance on analyzing financial reports
- Provides numerous examples and explanations of various types of financial reports and analysis tools

APRIL 2020 208PP
978-1-119-60646-8 PB \$22.95 (Japan)
GENERAL FINANCE & INVESTMENTS

The Long Good Buy

Analysing Cycles in Markets

PETER OPPENHEIMER

Brief Table of Contents

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Part I Lessons from the past

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Chapter 2: The 'Long Good Buy'; Returns Over The Long Run

Chapter 3: The Equities Cycle; Identifying The Phases

Chapter 4: Asset Returns Through The Cycle

Chapter 5. Investment Styles Over The Cycle

Part II The nature & causes of bull and bear markets

Chapter 6: Bear Necessities; The Nature And Shape Of Bear Markets

Chapter 7: Bull's Eye; The Nature And Shape Of Bull Markets

Chapter 8: Blowing Bubbles; Signs Of Excess

Part III Lessons for the future

Chapter 9: How The Cycle Has Changed Post The Financial Crisis

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Chapter 11: The Impact Of Technology On The Cycle

Summary and Conclusions

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Modern Financial Institutions

JAMES KOLARI & PETER ROSE

Texas A & M University

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9780631226123 PB \$34.95 (Japan)
General Finance & Investments /

AI and the Future of Banking

TONY BOOBIER

An industry-specific guide to the applications of Advanced Analytics and AI to the banking industry

Artificial Intelligence (AI) technologies help organisations to get smarter and more effective over time -- ultimately responding to, learning from and interacting with human voices. It is predicted that by 2020, half of all businesses will be using these intelligent, self-learning systems. Across its entire breadth and depth, the banking industry is at the forefront of investigating Advanced Analytics and AI technology for use in a broad range of applications, such as customer analytics and providing wealth advice for clients. *AI and the Future of Banking* provides new and established banking industry professionals with the essential information on the implications of data and analytics on their roles, responsibilities and personal career development.

Unlike existing books on the subject which tend to be overly technical and complex, this accessible, reader-friendly guide is designed to be easily understood by any banking professional with limited or no IT background. Chapters focus on practical guidance on the use of analytics to improve operational effectiveness, customer retention and finance and risk management. Theory and published case studies are clearly explained, whilst considerations such as operating costs, regulation and market saturation are discussed in real-world context. Written by a recognised expert in AI and Advanced Analytics, this book:

- Explores the numerous applications for Advanced Analytics and AI in various areas of banking and finance
- Offers advice on the most effective ways to integrate AI into existing bank ecosystems
- Suggests alternative and complementary visions for the future of banking, addressing issues like branch transformation, new models of universal banking and 'debranding'
- Explains the concept of 'Open Banking,' which securely shares information without needing to reveal passwords
- Addresses the development of leadership relative to AI adoption in the banking industry

AI and the Future of Banking is an informative and up-to-date resource for bank executives and managers, new entrants to the banking industry, financial technology and financial services practitioners and students in postgraduate finance and banking courses.

SERIES: WILEY FINANCE

APRIL 2020 288PP
978-1-119-59612-7 CL \$87.00 (Japan)
Money & Banking

Retirement Planning For Dummies

MATTHEW KRANTZ, LOS ANGELES
USA Today, Financial Markets Reporter

Advice and guidance on planning for retirement

Retirement Planning For Dummies is a one-stop resource to get up to speed on the critical steps needed to ensure you spend your golden years living in the lap of luxury—or at least in the comfort of your own home.



When attempting to plan for retirement, web searching alone can cause you more headaches than answers, leaving many to feel overwhelmed and defeated. This book takes the guesswork out of the subject and guides readers while they plan the largest financial obligation of their life.

- Take stock of your finances
- Proactively plan for your financial future
- Seek the help of professionals or go it alone
- Use online tools to make retirement planning easier

Whether you're just starting out with a 401(k) or you're a seasoned vet with retirement in your near future, this book helps younger and older generations alike how to plan their retirement.

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Equity Asset Valuation

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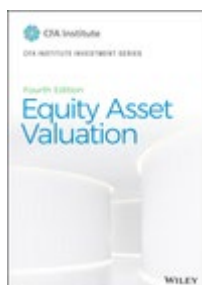
JERALD E. PINTO

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blends theory and practice to paint an accurate, informative picture of the equity asset world. The most comprehensive resource on the market, this text supplements your studies for the third step in the three-level CFA certification program by integrating both accounting and finance concepts to explore a collection of valuation models and challenge you to determine which models are most appropriate for certain companies and circumstances. Detailed learning outcome statements help you navigate your way through the content, which covers a wide range of topics, including how an analyst approaches the equity valuation process, the basic DDM, the derivation of the required rate of return within the context of Markowitz and Sharpe's modern portfolio theory, and more.



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provides the most up-to-date detail for the successful assessment of company performance and financial position regardless of country of origin. The seasoned experts at the CFA Institute offer readers a rich, clear reference, covering all aspects from financial reporting mechanics and standards to understanding income and balance sheets. Comprehensive guidance toward effective analysis techniques helps readers make real-world use of the knowledge presented, with this new third edition containing the most current standards and methods for the post-crisis world. Coverage includes the complete statement analysis process, plus information on income tax accounting, employee compensation, and the impact of foreign exchange rates on the statements of multinational corporations.

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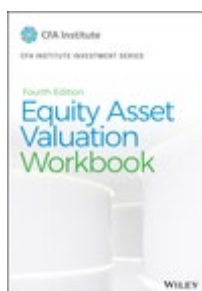
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JERALD E. PINTO

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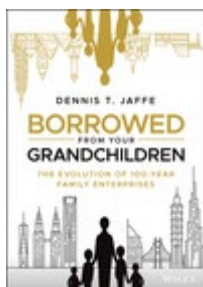
Borrowed from Your Grandchildren

The Evolution of 100-Year Family Enterprises

DENNIS T. JAFFE

Families share how they have maintained and grown their wealth from generation to generation.

While creating wealth is a wonderful achievement, business families are also concerned with how their wealth is used to support their values, the lives of their children and the well-being of the community. Over several generations, families who are successful in growing their wealth have been able to reinvent themselves and their business in the face of significant environmental transformations and internal differences caused by family dynamics. *Borrowed from my Grandchildren* is a fascinating look at how large, long-lasting business families succeed across generations.



Author Dennis T. Jaffe, one of the leading architects of the field of family enterprise consulting, has interviewed members of successful, well known, 100-year family enterprises from 20 countries, who serve as role models for those wishing to see their wealth positively impact their children, employees, and communities. Half continue to own their legacy business and others have gone on to become family offices with a portfolio of shared assets, but all these families have sustained their values and identity as a family over more than three generations.

Offering the collected wisdom of nearly 100 global business families, this insightful book shares the real-life stories of partners in business and wealth management over three of more generations. Families that generate rather than reduce their wealth across generations, known as Generative Families, focus on engaging across generations and develop collaborative governance for both family and business to ensure responsible stewardship from one generation to the next.

Borrowed from my Grandchildren: The Evolution of Stewardship in 100-Year Families is an essential read for family members, non-family executives, family offices, estate planning lawyers, family business consultants, trust officers, philanthropic and foundation advisors, financial advisors, financial planners, CPAs, and other finance professionals.

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Finance & Investments Special Topics

The xVA Challenge

Counterparty Risk, Funding, Collateral, Capital and Initial Margin, 4th Edition

JON GREGORY

Independent Trainer and Consultant

A thoroughly updated and expanded edition of the xVA challenge

The period since the global financial crisis has seen a major re-appraisal of derivatives valuation, generally expressed in the form of valuation adjustments ('xVAs'). The quantification of xVA is now seen as fundamental to derivatives pricing and valuation. The xVA topic has been complicated and further broadened by accounting standards and regulation. All users of derivatives need to have a good understanding of the implications of xVA. The pricing and valuation of the different xVA terms has become a much studied topic and many aspects are in constant debate both in industry and academia.



- * Discussing counterparty credit risk in detail, including the many risk mitigants, and how this leads to the different xVA terms

- * Explains why banks have undertaken a dramatic reappraisal of the assumptions they make when pricing, valuing and managing derivatives

- * Covers what the industry generally means by xVA and how it is used by banks, financial institutions and end-users of derivatives

- * Explains all of the underlying regulatory capital (e.g. SA-CCR, SA-CVA) and liquidity requirements (NSFR and LCR) and their impact on xVA

Taking into account the nature of the underlying market dynamics and new regulatory environment, this book brings readers up to speed on the latest developments on the topic.

SERIES: WILEY FINANCE

APRIL 2020 664PP
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外国語

A Comprehensive Russian Grammar

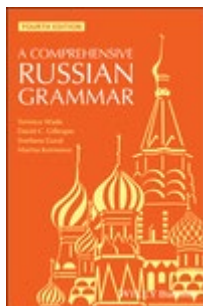
4th Edition

TERENCE WADE, DAVID GILLESPIE, SVETLANA GURAL &
MARINA KORNEEVA

Late of University of Strathclyde ; University of Bath, UK

The most comprehensive guide to Russian usage, fully revised and updated.

A Comprehensive Russian Grammar, by Terence Wade, is the definitive resource on Russian usage, providing complete and accurate guidance for students and professionals alike. Now in its fourth edition, this authoritative text continues to be an indispensable reference for English-speaking learners of Russian. Detailed yet accessible chapters cover the essential rules of the Russian language, placing emphasis on the nuances and problems that English speakers find especially difficult.



Thoroughly revised and updated by Russian language experts David Gillespie, Svetlana Gural, and Marina Korneeva, this edition reflects changes in the grammar, the lexis, and the contemporary practice of the language in Russia's increasingly globalized, market-oriented economy. New content includes coverage of words and phrases from IT and social network terminology that have entered the Russian language, original contributions by leading Russian language scholars, and numerous modern usage examples taken from Russian websites, social media, and post-Soviet literature.

Part of the successful *Blackwell Reference Grammars* series, *A Comprehensive Russian Grammar, Fourth Edition* is the ideal guide and reference text for students and teachers of Russian across the English-speaking world, as well as professionals with knowledge of Russian seeking to keep pace with recent changes in the language.

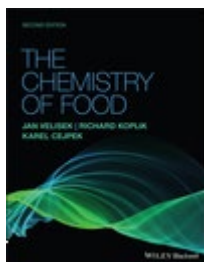
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RUSSIAN GRAMMARS & DICTIONARIES

食品科学

The Chemistry of Food

2nd Edition

JAN VELISEK, RICHARD KOPLIK &
KAREL CEJPEK

WILEY'S LANDMARK FOOD CHEMISTRY TEXTBOOK THAT PROVIDES AN ALL-IN-ONE REFERENCE BOOK, REVISED AND UPDATED

The revised second edition of *The Chemistry of Food* provides a comprehensive overview of important compounds constituting of food and raw materials for food production. The authors highlight food's structural features, chemical reactions, organoleptic properties, nutritional, and toxicological importance.

The updated second edition reflects the thousands of new scientific papers concerning food chemistry and related disciplines that have been published since 2012. Recent discoveries deal with existing as well as new food constituents, their origin, reactivity, degradation, reactions with other compounds, organoleptic, biological, and other important properties. The second edition extends and supplements the current knowledge and presents new facts about chemistry, legislation, nutrition, and food safety. The main chapters of the book explore the chemical structure of substances and subchapters examine the properties or uses. This important resource:

- * Offers in a single volume an updated text dealing with food chemistry
 - * Contains complete and fully up-to-date information on food chemistry, from structural features to applications
 - * Features several visual aids including reaction schemes, diagrams and tables, and nearly 2,000 chemical structures
 - * Written by internationally recognized authors on food chemistry
- Written for upper-level students, lecturers, researchers and the food industry, the revised second edition of *The Chemistry of Food* is a quick reference for almost anything food-related as pertains to its chemical properties and applications.

APRIL 2020 1000PP
978-1-119-53764-9 PB \$105.00 (Japan)
Food Chemistry

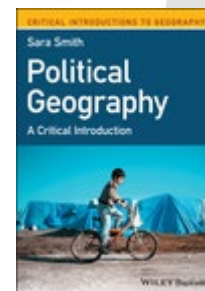
地理学

Political Geography

A Critical Introduction

SARA SMITH

University of North Carolina Chapel Hill



Brings political geography to life--explores key concepts, critical debates, and contemporary research in the field.

Political geography is the study of how power struggles both shape and are shaped by the places in which they occur--the *spatial* nature of political power. *Political Geography: A Critical Introduction* helps students understand how power is related to space, place, and territory, illustrating how everyday life and the world of global conflict and nation-states are inextricably intertwined. This timely, engaging textbook weaves critical, postcolonial, and feminist narratives throughout its exploration of key concepts in the discipline. Accessible to students new to the field, this text offers critical approaches to political geography--including questions of gender, sexuality, race, and difference--and explains central political concepts such as citizenship, security, and territory in a geographic context. Case studies incorporate methodologies that illustrate how political geographers perform research, enabling students to develop a well-rounded critical approach rather than merely focusing on results. Chapters cover topics including the role of nationalism in shaping allegiances, the spatial aspects of social movements and urban politics, the relationship between international relations and security, the effects of non-human actors in politics, and more.

Global in scope, this book:

- Highlights a diverse range of globally-oriented issues, such as global inequality, that demonstrate the need for critical political geography
- Demonstrates how critiques of political geography intersect with decolonial, feminist, and queer movements
- Covers the Eurocentric origins of many of the discipline's key concepts
- Integrates advances in political geography theory and firsthand accounts of innovative research from rising scholars in the field

Political Geography: A Critical Introduction is an ideal resource for students in political and feminist geography, as well as graduate students and researchers seeking an overview of the discipline.

SERIES: CRITICAL INTRODUCTIONS TO GEOGRAPHY
APRIL 2020 312PP
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Political Geography

コンシューマーヘルス

Getting Pregnant For Dummies

LISA RINEHART, JOHN RINEHART, SHARON PERKINS & JACKIE MEYERS-THOMPSON

The hands-on guide that addresses the common barriers to achieving pregnancy and offers tips to maximize your potential for fertility



For millions of people, starting a family is a lifelong dream. However, many face challenges in welcoming children into the world. According to the Centers for Disease Control and Prevention (CDC), approximately 12% of women in the US from ages 15 to 44 have difficulty getting pregnant or staying pregnant. A variety of factors exist that can contribute to infertility, such as ovulation disorders, uterine abnormalities, congenital defects, and a host of environmental and lifestyle considerations. But infertility is not just a female problem. For approximately 35% of couples with infertility, a male factor is identified along with a female factor, while in 8% of couples, a male factor is the only identifiable cause. Fortunately, there are many treatment options that offer hope.

Getting Pregnant For Dummies discusses the difficulties related to infertility and offers up-to-date advice on the current methods and treatments to assist in conception. This easy-to-read guide will help you understand why infertility occurs, its contributing risk factors, and the steps to take to increase the chances of giving birth. From in vitro fertilization (IVF) to third party reproduction (donor sperm or eggs and gestational surrogacy) to lifestyle changes to understanding genetic information to insurance, legal and medication considerations, this book covers all the information you need to navigate your way to the best possible results.

Getting Pregnant For Dummies is an indispensable guide for every woman trying to conceive and for men experiencing infertility issues.

APRIL 2020
978-1-119-60115-9 PB \$24.99 (Japan)
Consumer Health General

歴史

A History of Solitude

DAVID VINCENT

The Open University

Solitude has always had an ambivalent status: the capacity to enjoy being alone can make sociability bearable, but those predisposed to solitude are often viewed with suspicion or pity.

Drawing on a wide array of literary and historical sources, David Vincent explores how people have conducted themselves in the absence of company over the last three centuries. He argues that the ambivalent nature of solitude became a prominent concern in the modern era. For intellectuals in the romantic age, solitude gave respite to citizens living in ever more complex modern societies. But while the search for solitude was seen as a symptom of modern life, it was also viewed as a dangerous pathology: a perceived renunciation of the world, which could lead to psychological disorder and anti-social behaviour.

Vincent explores the successive attempts of religious authorities and political institutions to manage solitude, taking readers from the monastery to the prisoner's cell, and explains how western society's increasing secularism, urbanization and prosperity led to the development of new solitary pastimes at the same time as it made traditional forms of solitary communion, with God and with a pristine nature, impossible. At the dawn of the digital age, solitude has taken on new meanings, as physical isolation and intense sociability have become possible as never before. With the advent of a so-called loneliness epidemic, a proper historical understanding of the natural human desire to disengage from the world is more important than ever.

The first full-length account of its subject, *A History of Solitude* will appeal to a wide general readership.

APRIL 2020 304PP
978-1-5095-3658-0 CL \$35.00 (Japan)
General & Introductory History

ライフスタイル

Songwriting For Dummies

2nd Edition

JIM PETERIK, DAVE AUSTIN & CATHY LYNN AUSTIN

PROVEN TECHNIQUES FOR SONGWRITING SUCCESS

This friendly, hands-on guide tackles the new face of the recording industry, guiding you through the shift from traditional sales to downloads and mobile music, as well as how you can harness social media networks to get your music "out there." You get basic songwriting concepts, insider tips and advice, and inspiration for writing -- and selling -- meaningful, timeless songs.

- Songwriting 101 -- get a grip on everything you need to know to write a song, from learning to listen to your "inner voice" to creating a "mood" and everything in between
- Jaunt around the genres -- discover the variety of musical genres and find your fit, whether it's rock, pop, R&B, gospel, country, or more
- Let the lyrics out -- master the art of writing lyrics, from finding your own voice to penning the actual words to using hooks, verses, choruses, and bridges
- Make beautiful music -- find your rhythm, make melodies, and use chords to put the finishing touches on your song
- Work the Web -- harness online marketing and social networks like Facebook, Twitter, and others to get your music heard by a whole new audience

Songwriting For Dummies, 2nd Edition (9781119675655) was previously published as *Songwriting For Dummies, 2nd Edition* (9780470615140). While this version features a new *Dummies* cover and design, the content is the same as the prior release and should not be considered a new or updated product.

APRIL 2020
978-1-119-67565-5 PB \$22.99 (Japan)
MUSIC



Tokyo 2020 Olympics For Dummies

CELESTE KİYOKO HALL

Make the most of your 2020 Olympic adventure!

If you dream of traveling to the Olympic games but feel overwhelmed by the thought of a trip to Japan, then *Tokyo 2020 Olympics For Dummies* is for you. Hundreds of thousands of international travelers will arrive in Tokyo for the next Olympics to share in the worldwide camaraderie and watch world-class athletes in 33 sports. This book is your complete authority on how to join in!

Learn about travel options, safety, customs, and facts about the Olympic Games. Tokyo is an amazing destination, and you'll be prepared for the voyage of a lifetime with knowledge of Japanese culture and trip planning tips.

- Plan your trip to the 2020 Olympic Games in Tokyo, Japan
- Be prepared with tips on Japanese culture, customs, language, and more
- Learn about how the Olympic Games are structured to make the best of your time
- Stay stress free and have fun with international travel advice and Olympic facts!

As you prepare for your once-in-a-lifetime excursion, keep this guide within easy reach!

APRIL 2020 288PP
978-1-119-66409-3 PB \$19.99 (Japan)
Sports

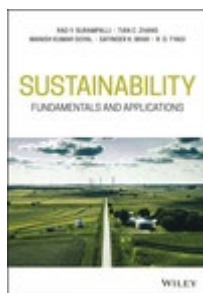


ライフサイエンス

Sustainability

Fundamentals and Applications

RAO Y. SURAMPALLI, TIAN C. ZHANG,
MANISH KUMAR GOYAL, SATINDER K.
BRAR & R. D. TYAGI



A comprehensive resource to sustainability and its application to the environmental, industrial, agricultural and food security sectors

Sustainability fills a gap in the literature in order to provide an important guide to the fundamental knowledge and practical applications of sustainability in a wide variety of areas. The authors -- noted experts who represent a number of sustainability fields -- bring together in one comprehensive volume the broad range of topics including basic concepts, impact assessment, environmental and the socio-economic aspects of sustainability. In addition, the book covers applications of sustainability in environmental, industrial, agricultural and food security, as well as carbon cycle and infrastructural aspects.

Sustainability addresses the challenges the global community is facing due to population growth, depletion of non-renewable resources of energy, environmental degradation, poverty, excessive generation of wastes and more. Throughout the book the authors discuss the economics, ecological, social, technological and systems perspectives of sustainability. This important resource:

- * Explores the fundamentals as well as the key concepts of sustainability;
- * Covers basic concepts, impact assessment, environmental and socio-economic aspects, applications of sustainability in environmental, industrial, agricultural and food security, carbon cycle and infrastructural aspects;
- * Argues the essentiality of sustainability in ensuring the propitious future of earth systems; and
- * Authored by experts from a range of various fields related to sustainability.

Written for researchers and scientists, students and academics, *Sustainability: Fundamentals and Applications* is a comprehensive book that covers the basic knowledge of the topic combined with practical applications.

APRIL 2020 600PP
978-1-119-43396-5 CL \$200.00 (Japan)
Ecology & Organismal Biology

Practical Field Ecology

A Project Guide, 2nd Edition

C. PHILIP WHEATER, JAMES R. BELL & PENNY A. COOK
Manchester Metropolitan University; Rothamsted
Research; Liverpool John Moores University

Offers a comprehensive, accessible introduction to experimental design, field monitoring skills for plants and animals, data analysis, interpretation and reporting

This user-friendly book presents field monitoring skills for both plants and animals, within the context of a research project. This text provides a single resource to take the reader all the way through from the planning stage, into the field, guiding through sampling, organism identification, computer-based data analysis and interpretation, and finally how to present the results to maximise the impact of the work. Logically structured throughout, and revised extensively in the second edition, the book concentrates on the techniques required to design a field-based ecological survey and shows how to execute an appropriate sampling regime. It evaluates appropriate sampling and analytical methods, identifying potential problems associated with various techniques and how to mitigate these.

The second edition of this popular text has updated reference material and weblinks, increased the number of case studies by 50% to illustrate the use of specific techniques in the field, added over 20% more figures (including 8 colour plates), and made more extensive use of footnotes to provide extra details. Extensions to topics covered in the first edition include additional discussion of: ethical issues; statistical methods (sample size estimation, use of the statistical package R, mixed models); bioindicators, especially for freshwater pollution; seeds, fecundity and population dynamics including static and dynamic life tables; forestry techniques including tree coring and tree mortality calculations; the use of data repositories; writing for a journal and producing poster and oral presentations. In addition, the use of new and emerging technologies has been a particular focus, including mobile apps for environmental monitoring and identification; land cover and GIS; the use of drones including legal frameworks and codes of practice; molecular field techniques including DNA analysis in the field (including eDNA); photo-matching for identifying individuals; camera trapping; modern techniques for detecting and analysing bat echolocation calls; and data storage using the cloud.

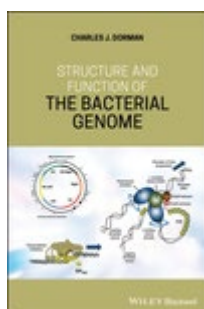
APRIL 2020 400PP
978-1-119-41322-6 PB \$60.00 (Japan)
APPLIED ECOLOGY

Structure and Function of the Bacterial Genome

CHARLES J. DORMAN

Presents an integrated view of the expression of bacterial genetic information, genome architecture and function, and bacterial physiology and pathogenesis

This book blends information from the very latest research on bacterial chromosome and nucleoid architecture, whole-genome analysis, cell signaling, and gene expression control with well-known gene regulation paradigms from model organisms (including pathogens) to give readers a picture of how information flows from the environment to the gene, modulating its expression and influencing the competitive fitness of the microbe.



Structure and Function of the Bacterial Genome explores the governance of the expression of the genes that make a bacterium what it is, and updates the basics of gene expression control with information about transcription promoter structure and function, the role of DNA as a regulatory factor (in addition to its role as a carrier of genetic information), small RNAs, RNAs that sense chemical signals, ribosomes and translation, posttranslational modification of proteins, and protein secretion. It looks at the forces driving the conservation and the evolution of the dynamic genome and offers chapters that cover DNA replication, DNA repair, plasmid biology, recombination, transposition, the roles of repetitive DNA sequences, horizontal gene transfer, the defense of the genome by CRISPR-Cas, restriction enzymes, Argonaute proteins and BREX systems. The book finishes with a chapter that gives an integrated overview of genome structure and function.

Structure and Function of the Bacterial Genome is an ideal book for graduate and undergraduate students studying microbial cell biology, bacterial pathogenesis, gene regulation, and molecular microbiology. It will also appeal to principal investigators conducting research on these and related topics and researchers in synthetic biology and other arms of biotechnology.

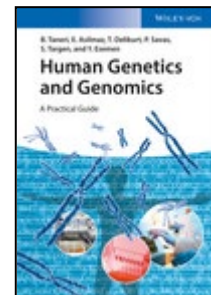
APRIL 2020 416PP
978-1-119-30879-9 CL \$149.95 (Japan)
Microbiology & Virology

Human Genetics and Genomics

A Practical Guide

BAHAR TANERI, ESRA ASILMAZ, TUREM DELIKURT, PEMBE SAVAS, SENIYE TARGEN & YAGMUR ESEMEN

Finally meeting the need for a laboratory manual on human genetics, this practical guide is the perfect companion title to all major standard textbooks on the subject. The authors all have a high-level research background and are actively involved in teaching and counseling. Based on a standard curriculum in human genetics, each chapter equals one practical unit of the course and topics range from basics in human inheritance to genetics in major disease clusters and from bioinformatics and personalized medicine to genetic counseling.



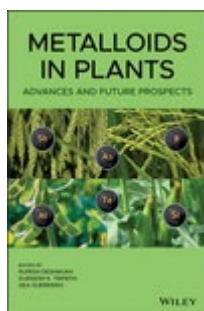
APRIL 2020 160PP
978-3-527-33748-4 PB \$80.00 (Japan)
Human Genetics

Metalloids in Plants

Advances and Future Prospects

EDITOR DR. RUPESH DESHMUKH,
EDITOR DURGESH K. TRIPATHI & EDITOR
DR. GEA GUERRIERO

Universit  Laval; Motilal Nehru
National Institute of Tech;
Luxembourg Institute of Science and
Tech



Understanding metalloids and the potential impact they can have upon crop success or failure

Metalloids have a complex relationship with plant life. Exhibiting a combination of metal and non-metal characteristics, this small group of elements -- which includes boron (B), silicon (Si), germanium (Ge), arsenic (As), antimony (Sb), and tellurium (Te) -- may hinder or enhance the growth and survival of crops. The causes underlying the effects that different metalloids may have upon certain plants range from genetic variance to anatomical factors, the complexities of which can pose a challenge to botanists and agriculturalists of all backgrounds.

With *Metalloids in Plants*, a group of leading plant scientists present a complete guide to the beneficial and adverse impacts of metalloids at morphological, anatomical, biochemical, and molecular levels. Insightful analysis of data on genetic regulation helps to inform the optimization of farming, indicating how one may boost the uptake of beneficial metalloids and reduce the influence of toxic ones. Contained within this essential new text, there are:

- Expert analyses of the role of metalloids in plants, covering their benefits as well as their adverse effects
- Explanations of the physiological, biochemical, and genetic factors at play in plant uptake of metalloids
- Outlines of the breeding and genetic engineering techniques involved in the generation of resistant crops

Written for students and professionals in the fields of agriculture, botany, molecular biology, and biotechnology, *Metalloids in Plants* is an invaluable overview of the relationship between crops and these unusual elements.

APRIL 2020 520PP
978-1-119-48719-7 CL \$224.99 (Japan)
Plant Science

Protective Chemical Agents in the Amelioration of Plant Abiotic Stress

Biochemical and Molecular Perspectives

ARYADEEP ROYCHOUDHURY & DURGESH K. TRIPATHI

Motilal Nehru National Institute of Tech

A guide to the chemical agents that protect plants from various environmental stressors

Protective Chemical Agents in the Amelioration of Plant Abiotic Stress offers a guide to the diverse chemical agents that have the potential to mitigate different forms of abiotic stresses in plants. Edited by two experts on the topic, the book explores the role of novel chemicals and shows how using such unique chemical agents can tackle the oxidative damages caused by environmental stresses.

Exogenous application of different chemical agents or chemical priming of seeds presents opportunities for crop stress management. The use of chemical compounds as protective agents has been found to improve plant tolerance significantly in various crop and non-crop species against a range of different individually applied abiotic stresses by regulating the endogenous levels of the protective agents within plants. This important book:

- Explores the efficacy of various chemical agents to eliminate abiotic stress
- Offers a groundbreaking look at the topic and reviews the most recent advances in the field
- Includes information from noted authorities on the subject
- Promises to benefit agriculture under stress conditions at the ground level

Written for researchers, academicians, and scientists, *Protective Chemical Agents in the Amelioration of Plant Abiotic Stress* details the wide range of protective chemical agents, their applications, and their intricate biochemical and molecular mechanism of action within the plant systems during adverse situations.

APRIL 2020 576PP
978-1-119-55163-8 CL \$225.00 (Japan)
Plant Physiology

Bioinformatics, 4th Edition

ANDREAS D. BAXEVANIS, GARY
BADER & DAVID WISHART

National Human Genome Research
Institute, National Institutes of Health,
Bethesda, Maryland



The field of bioinformatics is advancing at a remarkable rate. With the development of new analytical techniques that make use of the latest advances in machine learning and data science, today's biologists are gaining fantastic new insights into the natural world's most complex systems. These rapidly progressing innovations can, however, be difficult to keep pace with.

The expanded fourth edition of the best-selling *Bioinformatics* aims to remedy this by providing students and professionals alike with a comprehensive survey of the current field. Revised to reflect recent advances in computational biology, it offers practical instruction on the gathering, analysis, and interpretation of data, as well as explanations of the most powerful algorithms presently used for biological discovery. *Bioinformatics, Fourth Edition* offers the most readable, up-to-date, and thorough introduction to the field for biologists at all levels, covering both key concepts that have stood the test of time and the new and important developments driving this fast-moving discipline forwards.

This new edition features:

- New chapters on metabolomics, population genetics, metagenomics and microbial community analysis, and translational bioinformatics
- A thorough treatment of statistical methods as applied to biological data
- Special topic boxes and appendices highlighting experimental strategies and advanced concepts
- Annotated reference lists, comprehensive lists of relevant web resources, and an extensive glossary of commonly used terms in bioinformatics, genomics, and proteomics

Bioinformatics is an indispensable companion for researchers, instructors, and students of all levels in molecular biology and computational biology, as well as investigators involved in genomics, clinical research, proteomics, and related fields.

APRIL 2020 648PP
978-1-119-33558-0 CL \$129.95 (Japan)
BIOINFORMATICS & COMPUTATIONAL BIOLOGY

A Companion to Crime Fiction

EDITOR CHARLES J. RZEPKA & EDITOR LEE HORSLEY

Boston University, USA ; University of Lancaster, UK

- A collection of forty-seven newly commissioned essays from a team of leading scholars across the globe make this *Companion* the definitive guide to crime fiction
- Follows the development of the genre from its origins in the eighteenth century through to its phenomenal present day popularity
- Features full-length critical essays on the most significant authors and film-makers, from Arthur Conan Doyle and Dashiell Hammett to Alfred Hitchcock and Martin Scorsese exploring the ways in which they have shaped and influenced the field
- Includes extensive references to the most up-to-date scholarship, and a comprehensive bibliography

READERSHIP: Students, researchers, librarians and faculty of literature, specifically crime fiction.

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2020 552PP
978-1-119-67577-8 PB \$59.95 (Japan)
9781405167659 CL \$54.00 (Japan) Published, FEB 2010
General Literature

The Black Register

TENDAYI SITHOLE

READERSHIP: Students and scholars in African Studies, African-American Studies, Black Studies, race and ethnic studies, cultural studies, literary studies, critical theory and related fields, as well as interested general readers.

SERIES: CRITICAL SOUTH

APRIL 2020 282PP
978-1-5095-4206-2 CL \$69.95 (Japan)
9781509542079 PB \$24.95 (Japan)
Postcolonial Theory

Reacher Said Nothing

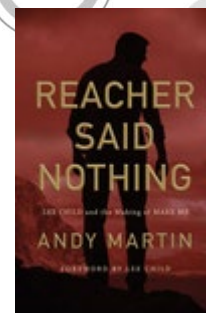
Lee Child and the Making of
Make Me

ANDY MARTIN

University of Cambridge

READERSHIP: Readers of the books of Lee Child; students and academics in literature and cultural studies who are interested in popular fiction and popular culture.

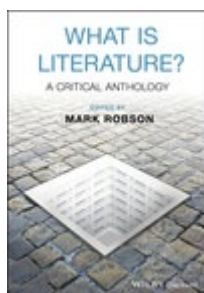
APRIL 2020 280PP
978-1-5095-4084-6 CL \$69.95 (Japan)
978-1-5095-4085-3 PB \$19.95 (Japan)
Literary Criticism & History



What is Literature?

A Critical Anthology

MARK ROBSON



An essential guide to understanding literary theory and criticism in the European tradition

What is Literature? A Critical Anthology explores the most fundamental question in literary studies. 'What is literature?' is the name of a problem that emerges with the idea of literature in European modernity. This volume offers a cross-section of modern literary theory and reflects on the history of thinking about literature as a specific form. *What is Literature?* reveals how ideas of the literary draw on the foundations of Western thought in ancient Greece and Rome, charting the emergence of modern literature in the eighteenth century, and including selections from the present state of the art.

The anthology includes the work of leading writers and critics of the last two thousand years including Plato, Henry James, Virginia Woolf, Edward Said, Gayatri Chakravorty Spivak, Jacques Rancière, and many others. The book is an insightful examination of the nature of literature, its meanings and values, functions and forms, provocations and mysteries.

What is Literature? brings together in one volume influential and intriguing essays that show our enduring fascination with the idea of literature. This important guide:

- Contains a broad selection of the most significant texts on the topic of literature
- Includes leading writers from ancient times to the most recent thinkers on literature and criticism
- Encourages readers to reflect on the varied meanings of "literature"

What is Literature? A Critical Anthology is a unique collection of texts that will appeal to every student and scholar of literature and literary criticism in the European tradition.

APRIL 2020 632PP
978-1-4051-8294-2 PB \$44.95 (Japan)
Literary Criticism & History

30 Great Myths about Jane Austen

CLAUDIA L. JOHNSON & CLARA TUIITE

Princeton, NJ; University of
Melbourne, Australia



APRIL 2020
978-1-119-14686-5 PB \$24.95 (Japan)
19th Century English Literature

A Companion to American Literature and Culture

EDITOR PAUL LAUTER

Trinity College, USA

- An expansive *Companion*, offering a set of fresh perspectives on the wealth of texts produced in and around what is now the United States
- Highlights the diverse voices that constitute American literature, embracing oral traditions, slave narratives, regional writing, literature of the environment, and more
- Demonstrates that American literature was multicultural before Europeans arrived on the continent, and even more so thereafter
- Offers three distinct paradigms for thinking about American literature, focusing on: genealogies of American literary study; writers and issues; and contemporary theories and practices
- Enables richer, more varied and more comprehensive readings of American literature

READERSHIP: Advanced undergraduates, graduate students and faculty in American literary and cultural studies

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2020 712PP
978-1-119-68565-4 PB \$51.95 (Japan)
9780631208921 CL \$59.25 (Japan) Published, MARCH 2010
American Literature

A Companion to American Literature

EDITOR SUSAN BELASCO, EDITOR

THERESA STROUTH GAUL, EDITOR

LINCK JOHNSON & EDITOR MICHAEL SOTO



A comprehensive, chronological overview of American literature in three scholarly and authoritative volumes

A Companion to American Literature traces the history and development of American literature from its early origins in Native American oral tradition to 21st century digital literature. This comprehensive three-volume set brings together contributions from a diverse international team of accomplished young scholars and established figures in the field. Contributors explore a broad range of topics in historical, cultural, political, geographic, and technological contexts, engaging the work of both well-known and non-canonical writers of every period.

Volume One is an inclusive and geographically expansive examination of early American literature, applying a range of cultural and historical approaches and theoretical models to a dramatically expanded canon of texts. Volume Two covers American literature between 1820 and 1914, focusing on the development of print culture and the literary marketplace, the emergence of various literary movements, and the impact of social and historical events on writers and writings of the period. Spanning the 20th and early 21st centuries, Volume Three studies traditional areas of American literature as well as the literature from previously marginalized groups and contemporary writers often overlooked by scholars.

A Companion to American Literature is a valuable resource for students coming to the subject for the first time or preparing for field examinations, instructors in American literature courses, and scholars with more specialized interests in specific authors, genres, movements, or periods.

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2020 1864PP
978-1-119-14671-1 CL \$585.00 (Japan)
American Literature

A Companion to the American Short Story

JEANNE CAMPBELL REESMAN, ANDREW FURMAN, ROBERT LUSCHER, HUGH RUPPERSBURG, JEFF BIRKENSTEIN, MARGARET CRUMPTON WINTER, RUTH WESTON, RUTH M. ALVAREZ, PAUL SORRENTINO, ALFRED BENDIXEN & JAMES NAGEL

University of Texas; Princeton University; University of Georgia, USA

A Companion to the American Short Story traces the development of this versatile literary genre over the past two centuries. Written by leading critics in the field, and edited by two major scholars, it explores a wide range of writers, from Edgar Allen Poe and Edith Wharton, Kate Chopin, and Charles Chesnutt at the end of the nineteenth century. In the twentieth the focus is on such important Modern writers as Ernest Hemingway, William Faulkner, F. Scott Fitzgerald, and Richard Wright before moving into the contemporary period with essays on Raymond Carver, Saul Bellow, and Denise Chávez. Contributions with a broader focus address groups of multiethnic, Asian, and Jewish writers. All the essays set the short story in context, focusing on the interaction of cultural forces and aesthetic principles.

The Companion takes account of cutting edge approaches to literary studies and contributes to the ongoing redefinition of the American canon, embracing genres such as ghost and detective fiction, cycles of interrelated short fiction, and comic, social and political stories. The volume also reflects the diverse communities that have adopted this literary form and made it their own, featuring entries on a variety of feminist and multicultural traditions. This volume presents an important new consideration of the role of the short story in the literary history of American literature.

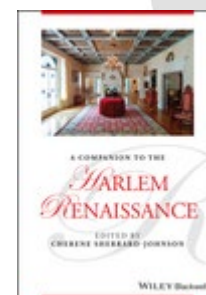
SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2020 536PP
978-1-119-68564-7 PB \$51.95 (Japan)
9781405115438 CL \$56.00 (Japan) Published, FEB. 2010
American Literature

A Companion to the Harlem Renaissance

EDITOR CHERENE SHERRARD-JOHNSON

University of Wisconsin-Madison



A Companion to the Harlem Renaissance presents a comprehensive collection of original essays that address the literature and culture of the Harlem Renaissance from the end of World War I to the middle of the 1930s.

- Represents the most comprehensive coverage of themes and unique new perspectives on the Harlem Renaissance available
- Features original contributions from both emerging scholars of the Harlem Renaissance and established academic "stars" in the field
- Offers a variety of interdisciplinary features, such as the section on visual and expressive arts, that emphasize the collaborative nature of the era
- Includes "Spotlight Readings" featuring lesser known figures of the Harlem Renaissance and newly discovered or undervalued writings by canonical figures

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

APRIL 2020 496PP 978-1-119-05453-5 PB \$46.75 (Japan)
9781118494066 CL \$202.75 (Japan) Published, JULY 2015
American Literature

American Literature and Culture 1914 to the Present

LAWRENCE RAINEY
University of York

APRIL 2020 250PP 978-0-7456-2765-6 CL \$59.95 (Japan)
9780745627663 PB \$27.50 (Japan)
20th Century & Contemporary American Literature

The Life of Robert Frost

A Critical Biography

HENRY HART



The Life of Robert Frost presents a unique and rich approach to the poet that includes original genealogical research concerning Frost's ancestors, and a demonstration of how mental illness plagued the Frost family and heavily influenced Frost's poetry.

- A widely revealing biography of Frost that discusses his often perplexing journey from humble roots to poetic fame, revealing new details of Frost's life
- Takes a unique approach by giving attention to Frost's genealogy and the family history of mental illness, presenting a complete picture of Frost's complexity
- Discusses the traumatic effect on Frost of his father's early death and the impact on his poetry and outlook
- Presents original information on the influence of his mother's Swedenborgian mysticism

SERIES: WILEY BLACKWELL CRITICAL BIOGRAPHIES

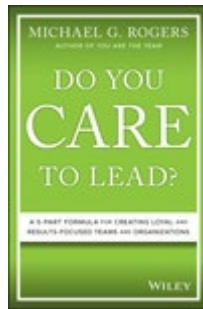
APRIL 2020 448PP
978-1-119-10364-6 PB \$34.95 (Japan)
9780470658529 CL \$104.00 (Japan) Published, April 2017
20th Century & Contemporary American Literature

リーダーシップ

Do You Care to Lead?

A 5-Part Formula for Creating Loyal and Results-Focused Teams and Organizations

MICHAEL ROGERS, CEDAR CITY



Create loyal, engaged and results focused teams and organizations using a practical five-part servant leadership formula.

Think of a world where people go to work completely engaged, are inspired to do more than they ever thought possible, remain 100% loyal to the teams and organizations they belong to, are achieving mind-blowing results, and gladly and even passionately follow their leader's direction. Is that a world you want to be a part of? The reality is you really can! However, it's not the world most people and leaders currently live in.

When employees were asked in a Gallup poll whether their supervisor or **anyone else** at work cared about them, only 4 out of 10 strongly agreed with that statement. That is a startling number. We have a lot of work to do. Old leadership practices don't work anymore.

In his work with hundreds of leaders and teams, Michael Rogers has created a practical approach to leadership that works. It is the Care to Lead Leader™. Care to Lead Leaders are different than most leaders. Most leaders talk of caring with their lips but are far from actually leading with their hearts.

Care to Lead Leaders lead from their heart. They understand that leading from the heart wins the hearts of those they lead, which makes leading more purposeful and a lot easier.

Through Michael's five-part SONIC leadership formula, you will become a Care to Lead Leader.

In this book, Michael illustrates his ideas and concepts through introspective questions and inspiring stories that keep you engaged and have you regularly looking at your own leadership and asking; *Am I the kind of leader people really want to follow?*

After reading this book, you'll have the tools to apply practical servant leadership approaches that create buy-in into bigger visions, improve loyalty and engagement and move your teams and organizations to unprecedented levels of action.

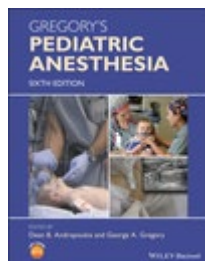
APRIL 2020 224PP
978-1-119-62841-5 CL \$25.00 (Japan)
Business & Finance

メディカル・サイエンス

Gregory's Pediatric Anesthesia, 6th Edition

DEAN B. ANDROPOULOS & GEORGE A. GREGORY

Baylor College of Medicine, Houston, Texas



As the field pediatric anesthesia advances and expands, so too does the gamut of challenges that are faced by today's anesthesiologists. *Gregory's Pediatric Anesthesia* aims to fully prepare trainees and experienced professionals for modern practice by equipping them with the knowledge and cutting-edge techniques necessary to safely and successfully anesthetize children for a range of different surgeries and other procedures. Supporting their work with current data and evidence, the authors explore topics including basic principles, potential complications, and best practice, and illustrate their findings with detailed case studies that cover all major subspecialties.

This essential new edition includes access to illustrative videos and features new and expanded sections, such as:

- Anesthesia for Spinal Surgery complications including postoperative blindness
- Robotic surgery for Pediatric Urological Procedures
- Anesthesia for Non-Cardiac Surgery in Patients with Congenital Heart Disease (new chapter)
- Extensive additional ultrasound images for regional anesthesia
- Neonatal Resuscitation
- The Pediatric Surgical Home and Enhanced Recovery after Surgery (new chapter)

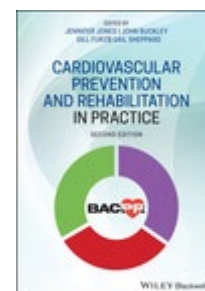
Now in its sixth edition, *Gregory's Pediatric Anesthesia* continues to provide reliable and easy-to-follow guidance to all anesthesiologists caring for younger patients.

APRIL 2020 1344PP
978-1-119-37150-2 CL \$315.00 (Japan)
ANESTHESIA

Cardiovascular Prevention and Rehabilitation in Practice

2nd Edition

EDITOR JENNIFER JONES, EDITOR JOHN BUCKLEY, EDITOR GILL FURZE & EDITOR GAIL SHEPPARD



READERSHIP: Health care professionals working in the field of cardiovascular prevention and rehabilitation

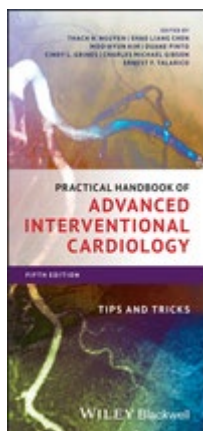
APRIL 2020 256PP
978-1-118-45869-3 PB \$65.00 (Japan)
CARDIOVASCULAR DISEASE

Practical Handbook of Advanced Interventional Cardiology

Tips and Tricks

THACH N. NGUYEN, SHAO LIANG CHEN,
MOO-HYUN KIM, DUANE PINTO & CINDY
L. GRINES

Director of Cardiovascular Research, St
Mary Medical Center, Hobart, IN;
Professor of Cardiology Professor of
Internal Medicine Deputy President,
Nanjing First Hospital, Nanjing Medical
University Director of Catheterization
Laboratories, Nanjing First Hospital Chief
of Cardiology Nanjing First Hospital
Nanjing China; Dong A University
Medical School; Cardiac Catheterization
Laboratories, William Beaumont Hospital, Royal Oak, MI



A concise and convenient pocket guide to interventional cardiology's latest procedures and technologies

Interventional cardiology is growing more and more integral to the modern-day management of cardiovascular problems. Indeed, trainees are taught interventional methods as a matter of course. With a widening range of options open to them, however, the practicing cardiologist must be diligent and discerning when selecting the appropriate course of action for each patient, adapting their strategy as circumstance demands. Developing the skills and experience necessary to make these key judgments can be a challenging and lengthy process. Bringing together the knowledge of an international group of over 50 experts, this fifth edition of the *Practical Handbook of Advanced Interventional Cardiology* helps cardiologists of all levels to find interventional solutions to a wide range of problems. Its revised contents cover topics including new devices, valve procedures, and venous and atrial occlusion, and also feature new chapters on bioresorbable vascular scaffolds, protected percutaneous coronary intervention, coronary atherectomy, pulmonary embolism, and more.

The *Practical Handbook of Advanced Interventional Cardiology* is an invaluable resource for both practitioners and trainees in interventional cardiology and all related areas of cardiovascular medicine.

APRIL 2020 760PP
978-1-119-38268-3 PB \$99.95 (Japan)
INTERVENTIONAL CARDIOLOGY

Diabetic Microvascular Disease

FRANCESCO TECILAZICH

Presents comprehensive coverage of the many microvascular complications of diabetes

Diabetes remains one of the main causes, in the western world, of legal blindness, end stage renal disease, and amputation, despite the implementation of tight glycemic control and the great progress in the management and care of our patients. This book provides a useful and handy tool to professionals and students in the field of diabetes and its microvascular complications by integrating information from clinical settings as well as from the frontlines of diabetic research. It provides readers with up-to-date diagnostic criteria, classifications, and therapeutic approaches, and recent discoveries on mechanisms of disease, experimental therapeutic agents, and biomarkers of disease.

Written by top experts in the field, *Microvascular Disease in Diabetes* offers in-depth chapters covering pathophysiology; the genetics of diabetic microvascular disease; and the epigenetics of diabetic microvascular disease. It then provides sections featuring both clinical and research information on diabetic retinopathy, diabetic nephropathy, diabetic neuropathy, and diabetic foot. It also looks at coronary microvascular dysfunction and cerebral microvascular disease.

- Integrates new and accessible material on diabetic microvascular comorbidities
- Covers all relevant microvascular systems
- Provides a much-needed resource synthesizing research and clinical applications to treating microvascular complications of diabetes
- Presents current diagnostic criteria, classifications, and therapeutic approaches, as well as recent discoveries on the mechanisms of disease, experimental therapeutic agents, and biomarkers of disease

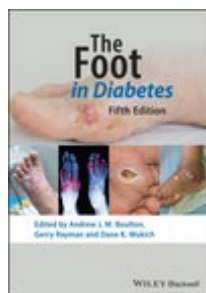
Assembled in an easily consultable manner, *Microvascular Disease in Diabetes* is an excellent text for investigators, clinicians, and students looking to improve their understanding of diabetic complications.

APRIL 2020 280PP
978-1-119-30960-4 CL \$199.95 (Japan)
Diabetes

The Foot in Diabetes

5th Edition

ANDREW J. M. BOULTON, UNITED KINGDOM, EDITOR GERRY RAYMAN, UNITED KINGDOM & EDITOR DANE WUKICH



University of Manchester, UK; East Suffolk and North Essex NHS Foundation Trust, UK; University of Texas Southwestern, Dallas, Texas, USA

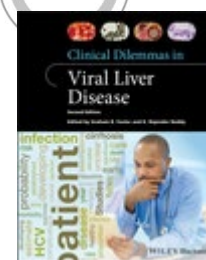
Fully revised and updated edition of this popular book, addressing all issues concerning the diabetic foot, one of the most prevalent problems in diabetes, with a strong emphasis on practical aspects of delivering care.

SERIES: PRACTICAL DIABETES

APRIL 2020 464PP
978-1-119-44581-4 CL \$160.00 (Japan)
DIABETES

Clinical Dilemmas in Viral Liver Disease, 2nd Edition

K. RAJENDER REDDY & GRAHAM FOSTER
University of Pennsylvania, Philadelphia, Pennsylvania, USA; The Royal London Hospital, London, UK



The only evidence-based book to approach viral liver disease by focusing exclusively on the clinical dilemmas encountered by hepatologists and their medical teams

Although viral hepatitis is a growing public health risk around the world, the World Health Organization (WHO) views the elimination of hepatitis infection over the next several as an achievable goal. Effective pharmaceutical therapies are now available, yet medical teams caring for patients with viral hepatitis are challenged when looking for answers to specific questions in the current medical literature. The second edition of *Clinical Dilemmas in Viral Liver Disease* provides evidence-based guidance for medical teams involved in diagnosing, treating, and managing patients with viral liver disease.

This fully updated book explores developments in new treatments and new diagnostic approaches that are contributing to WHO goals of viral elimination. Brief, easily referenced chapters examine clearly defined topics, addressing the clinical questions and difficulties encountered by medical teams in day-to-day practice. Contributions by an international team of investigators and clinicians address clinical questions and issues which are seldom found in standard textbooks and online repositories. Offering practical guidance on the specific challenges and dilemmas of treating viral liver disease, this unique volume:

- Provides practical, evidence-based guidance on topical and controversial issues
- Addresses understudied questions that arise in day-to-day clinical practice
- Discusses the challenges surrounding global elimination programs
- Presents focused approach that is supported by current literature and expert opinion

The second edition of *Clinical Dilemmas in Viral Liver Disease* is required reading for practicing and trainee hepatologists, gastroenterologists, transplant surgeons, virologists, and other practitioners involved in caring for patients with liver disease.

SERIES: CLINICAL DILEMMAS (UK)

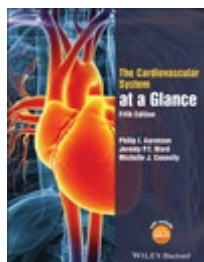
APRIL 2020 311PP
978-1-119-53339-9 PB \$95.00 (Japan)
HEPATOLOGY

The Cardiovascular System at a Glance

5th Edition

PHILIP I. AARONSON, JEREMY P. T. WARD & MICHELLE J. CONNOLLY

King's College, London; King's College, London; Academic Foundation Doctor at the Royal Free Hospital, London



Everything you need to know about the cardiovascular system... at a Glance!

The Cardiovascular System at a Glance is the essential reference guide to understanding all things circulatory. Concise, accessible, and highly illustrated, this latest edition presents an integrated overview of the subject, from the basics through to application. Featuring brand new content on stroke, examination and imaging, heart block and ECGs, and myopathies and channelopathies, *The Cardiovascular System at a Glance* goes one step further and offers new and updated clinical case studies and multiple-choice questions on a supplementary website.

- Integrates basic science and clinical topics
- Offers bite-size chapters that make topics easy to digest
- Includes coverage of anatomy and histology, blood and haemostasis, cellular physiology, form and function, regulation and integration of cardiovascular function, history, examination and investigations, pathology and therapeutics
- Filled with highly visual, colour illustrations that enhance the text and help reinforce learning

The fifth edition of *The Cardiovascular System at a Glance* is an ideal resource for medical students, junior doctors, students of other health professions, and specialist cardiology nurses.

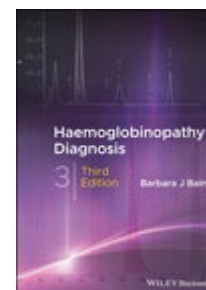
SERIES: AT A GLANCE

APRIL 2020 152PP
978-1-119-24578-0 PB \$37.50 (Japan)
GENERAL & INTERNAL MEDICINE

Haemoglobinopathy Diagnosis, 3rd Edition

BARBARA J. BAIN, LONDON, UNITED KINGDOM

St Mary's Hospital, London, UK



An updated, essential guide for the laboratory diagnosis of haemoglobin disorders

This revised and updated third edition of *Haemoglobinopathy Diagnosis* offers a comprehensive review of the practical information needed for an understanding of the laboratory diagnosis of haemoglobin disorders. Written in a concise and approachable format, the book includes an overview of clinical and laboratory features of these disorders. The author focuses on the selection, performance, and interpretation of the tests that are offered by the majority of diagnostic laboratories. The book also explains when more specialist tests are required and explores what specialist referral centres will accomplish. The information on diagnosis is set in a clinical context.

The third edition is written by a leading haematologist with a reputation for educational excellence. Designed as a practical resource, the book is filled with illustrative examples and helpful questions that can aid in the retention of the material presented. Additionally, the author includes information on the most recent advances in the field. This important text:

- * Contains a practical, highly illustrated, approach to the laboratory diagnosis of haemoglobin disorders
- * Includes "test-yourself" questions and provides an indispensable tool for learning and teaching
- * Presents new material on antenatal screening/prenatal diagnostic services
- * Offers myriad self-assessment case studies that are ideal for the trainee

Written for trainees and residents in haematology, practicing haematologists, and laboratory scientists, *Haemoglobinopathy Diagnosis* is an essential reference and learning tool that provides a clear basis for understanding the diagnosis of haemoglobin disorders.

APRIL 2020 448PP
978-1-119-57995-3 CL \$175.00 (Japan)
HEMATOLOGY

Outbreak

Cases in Real-World Microbiology, 2nd Edition

RODNEY P. ANDERSON

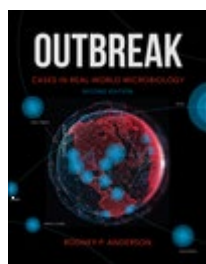


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Section I: Outbreaks of Diseases of the Respiratory Tract

Section II: Outbreaks of Disease of the Gastrointestinal Tract

Section III: Pathogens and Diseases That Are Transmitted Sexually

Section IV: Outbreaks of Diseases of the Skin, Soft Tissues, and Eyes

Section V: Outbreaks of Diseases of the Cardiovascular and Lymphatic Systems

Section VI: Outbreaks of Diseases of the Nervous System

SERIES: ASM BOOKS

APRIL 2020
978-1-68367-041-4 PB \$75.00 (Japan)
Microbiology

Snyder and Champness Molecular Genetics of Bacteria, 5th Edition

TINA M. HENKIN & JOSEPH E. PETERS

The Ohio State University, USA; University of Maryland, USA

Molecular Genetics of Bacteria is the single most comprehensive and authoritative textbook on bacterial molecular genetics. Perfect for advanced undergraduate and graduate-level courses, the text presents the latest research on the subject in a clearly written and well-illustrated style.

This book is intended for students and professionals in the fields of microbiology, genetics, biochemistry, bioengineering, medicine, molecular biology, and biotechnology.

SERIES: ASM BOOKS

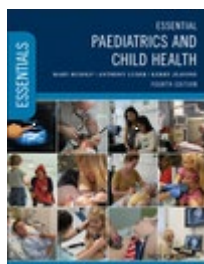
APRIL 2020 728PP
978-1-55581-975-0 CL \$130.00 (Japan)
Microbiology

Essential Paediatrics and Child Health

4th Edition

MARY RUDOLF, ANTHONY LUDER &
KERRY JEAVONS

Leeds General Infirmary, Leeds, UK



Essential Paediatrics and Child Health is a comprehensive and practical guide to paediatric disorders as they present to the student and practitioner, offering step-by-step guidance on symptom assessment, history taking, physical examination, investigation and diagnosis, management and treatment, patient education, follow-up and prognosis. With full-colour images and a range of unique and innovative learning features, this completely revised new edition of the award-winning book *Paediatrics and Child Health* will prove an invaluable resource for medical students and junior doctors on their journey through contemporary paediatrics.

- Organises paediatric disorders into system-based chapters for easy navigation, with symptom-based and integrative discussions of all the important diseases and disabilities in paediatrics
- Combines up-to-date descriptions of the latest in basic and clinical science with the core competencies expected of students in paediatric rotations
- Self-directed learning is made easy by means of navigation diagrams, tables, key-point and "at-a-glance" boxes, links to guidelines and other summary aids
- Sections on student experience, self-assessment, doing well in paediatric clinical placements and preparing for examinations and OSCEs
- Includes a completely new introduction with perspectives on the nature of paediatrics and how best to become engaged and immersed within it, and new content on communication, national guidelines, imaging techniques, genetics and epigenetics, prescribing for children toxicology, the latest advances in diagnosing and treating disease, and much more

Essential Paediatrics and Child Health is the ideal companion for medical students and junior doctors to succeed in their studies and clinical practice.

SERIES: ESSENTIALS

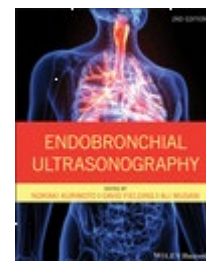
APRIL 2020 496PP
978-1-119-42022-4 PB \$60.00 (Japan)
Pediatrics

Endobronchial Ultrasonography

2nd Edition

NORIAKI KURIMOTO, DAVID FIELDING,
ALI MUSANI, CHRISTOPHER KNIENE &
KATSUHIKO MORITA

St Marianna University, Kanagawa
Prefecture, Japan; FRACP; National
Jewish Health & University of Colorado,
National Jewish Health, Denver, CO, USA



Endobronchial ultrasonography (EBUS) is an exciting and still developing diagnostic tool that has added significantly to the diagnosis and staging of lung cancer and other thoracic diseases. Co-authored by one of the technology's pioneers, this book helps the reader to use EBUS to diagnose and stage lung cancer and a variety of different tumours of the chest region.

The second edition of Endobronchial Ultrasonography covers all of the standard techniques and the very latest developments and guidelines involved in EBUS, combining two common procedures, bronchoscopy and real-time ultrasonography, allowing physicians to obtain precise biopsies of lymph nodes and masses within the chest cavity.

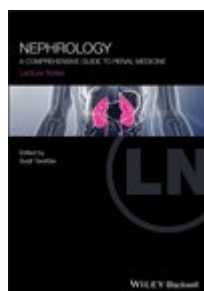
APRIL 2020 240PP
978-1-119-23394-7 CL \$175.00 (Japan)
RESPIRATORY MEDICINE

Lecture Notes Nephrology

A Comprehensive Guide to Renal Medicine

SURJIT TARAFDAR

Registrar in Nephrology and General Medicine at Flinders Medical Centre, Adelaide



Lecture Notes: Nephrology is a concise introduction to the fundamental principles of nephrology. An ideal study guide for medical trainees, this accessible resource combines the depth of a textbook with the accessibility of a handbook. Succinct chapters describe the clinical implications of renal physiology, examine major renal disorders and diseases, and explain a wide range of management and treatment options.

A new addition to the popular *Lecture Notes* series, this handbook provides trainees in nephrology with core subject knowledge and enables medical students to gain a more comprehensive understanding of this complex specialty.

- Offers clear, easy-to-understand coverage of all relevant nephrology topics
- Includes MCQs and discussion around the answers, ideal for those preparing for written Internal Medicine examinations, including the certification examination of the American Board of Internal Medicine, the UK-based MRCP and the Australia and New Zealand-based FRACP examinations
- Features chapter summaries and numerous infographics, tables and figures
- Emphasises core management skills needed by medical students and junior doctors
- Is presented in the consistent and well-recognised *Lecture Notes* format

SERIES: LECTURE NOTES

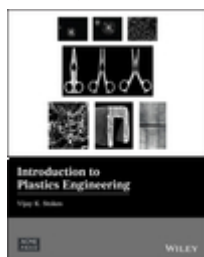
APRIL 2020 344PP
978-1-119-05804-5 PB \$37.50 (Japan)
Medical Education

機械工学

Introduction to Plastics Engineering

VIJAY K. STOKES

The authoritative introduction to all aspects of plastics engineering -- offering both academic and industry perspectives in one complete volume.



Introduction to Plastics Engineering provides a self-contained introduction to plastics engineering. A unique synergistic approach explores all aspects of material use -- concepts, mechanics, materials, part design, part fabrication, and assembly -- required for converting plastic materials, mainly in the form of small pellets, into useful products. Thermoplastics, thermosets, elastomers, and advanced composites, the four disparate application areas of polymers normally treated as separate subjects, are covered together.

Divided into five parts -- Concepts, Mechanics, Materials, Part Processing and Assembly, and Material Systems -- this inclusive volume enables readers to gain a well-rounded, foundational knowledge of plastics engineering. Chapters cover topics including the structure of polymers, how concepts from polymer physics explain the macro behavior of plastics, evolving concepts for plastics use, simple mechanics principles and their role in plastics engineering, models for the behavior of solids and fluids, and the mechanisms underlying the stiffening of plastics by embedded fibers. Drawing from his over fifty years in both academia and industry, Author Vijay Stokes uses the synergy between fundamentals and applications to provide a more meaningful introduction to plastics.

- Examines every facet of plastics engineering from materials and fabrication methods to advanced composites
- Provides accurate, up-to-date information for students and engineers both new to plastics and highly experienced with them
- Offers a practical guide to large number of materials and their applications
- Addresses current issues for mechanical design, part performance, and part fabrication

Introduction to Plastics Engineering is an ideal text for practicing engineers, researchers, and students in mechanical and plastics engineering and related industries.

SERIES: WILEY-ASME PRESS SERIES

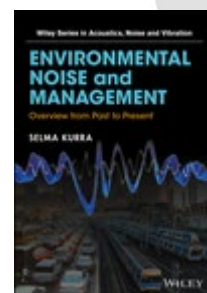
APRIL 2020 1016PP
978-1-119-53657-4 CL \$180.00 (Japan)
General & Introductory Mechanical Engineering

Environmental Noise and Management

SELMA KURRA

Environmental Noise and Management

Selma Kurra, Istanbul Technical University and dBKES Engineering Ltd, Turkey



A comprehensive overview of environmental noise pollution from the standpoint of environmental impact and control

Environmental noise is studied, regulated and monitored by many governments and institutions, as well as forming the basis for a number of different occupations due to the adverse effects of noise exposure.

Environmental Noise and Management provides a comprehensive overview of environmental noise pollution. The book begins by covering the fundamentals of noise and acoustics, major noise sources and prediction and evaluation techniques. Developments in noise measuring techniques, and mapping and improvement of legislation to control noise pollution are then discussed, and international regulations are presented. Technological advances and recent developments regarding strategy and action plans are also covered in depth.

Key features:

- Summarizes the relevant international standards covering noise pollution and environmental engineering practice.
- Presents technological advances and recent developments regarding strategy and action plans.
- Covers developments in noise measuring techniques, prediction models, mapping and improvement of legislation to control noise pollution.

Environmental Noise and Management is a comprehensive resource for researchers and graduate students who are involved in noise pollution from the standpoint of environmental impact and control.

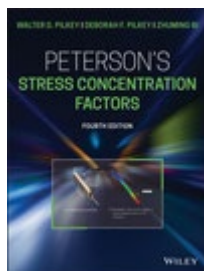
SERIES: WILEY SERIES IN ACOUSTICS NOISE AND VIBRATION

APRIL 2020 864PP
978-1-118-88740-0 CL \$140.00 (Japan)
Mechanical Engineering - Design

Peterson's Stress Concentration Factors

4th Edition

ZHUMING BI, WALTER D. PILKEY,
CHARLOTTESVILLE, UNITED STATES &
DEBORAH F. PILKEY
University of Virginia, School of
Engineering and Applied Science,
Charlottesville; ATK Launch Systems Inc.,
Utah



The bible of stress concentration factors--updated to reflect today's advances in stress analysis

This book establishes and maintains a system of data classification for all the applications of stress and strain analysis, and expedites their synthesis into CAD applications. Filled with all of the latest developments in stress and strain analysis, this *Fourth Edition* presents stress concentration factors both graphically and with formulas, and the illustrated index allows readers to identify structures and shapes of interest based on the geometry and loading of the location of a stress concentration factor.

Peterson's Stress Concentration Factors, Fourth Edition includes a thorough introduction of the theory and methods for static and fatigue design, quantification of stress and strain, research on stress concentration factors for weld joints and composite materials, and a new introduction to the systematic stress analysis approach using Finite Element Analysis (FEA). From notches and grooves to shoulder fillets and holes, readers will learn everything they need to know about stress concentration in one single volume.

- Peterson's is the practitioner's go-to stress concentration factors reference
- Includes completely revised introductory chapters on fundamentals of stress analysis; miscellaneous design elements; finite element analysis (FEA) for stress analysis
- Features new research on stress concentration factors related to weld joints and composite materials
- Takes a deep dive into the theory and methods for material characterization, quantification and analysis methods of stress and strain, and static and fatigue design

Peterson's Stress Concentration Factors is an excellent book for all mechanical, civil, and structural engineers, and for all engineering students and researchers.

APRIL 2020 640PP
978-1-119-53251-4 CL \$185.00 (Japan)
SOLID MECHANICS

Control of Mechatronic Systems

Model-Driven Design and Implementation Guidelines

PATRICK O. J. KALTJOB



A practical methodology for designing integrated automation control for systems and processes

Implementing digital control within mechanical-electronic (mechatronic) systems is essential to respond to the growing demand for high-efficiency machines and processes. In practice, the most efficient digital control often integrates time-driven and event-driven characteristics within a single control scheme. However, most of the current engineering literature on the design of digital control systems presents discrete-time systems and discrete-event systems separately. *Control Of Mechatronic Systems: Model-Driven Design And Implementation Guidelines* unites the two systems, revisiting the concept of automated control by presenting a unique practical methodology for whole-system integration. With its innovative hybrid approach to the modeling, analysis, and design of control systems, this text provides material for mechatronic engineering and process automation courses, as well as for self-study across engineering disciplines. Real-life design problems and automation case studies help readers transfer theory to practice, whether they are building single machines or large-scale industrial systems.

- Presents a novel approach to the integration of discrete-time and discrete-event systems within mechatronic systems and industrial processes
- Offers user-friendly self-study units, with worked examples and numerous real-world exercises in each chapter
- Covers a range of engineering disciplines and applies to small- and large-scale systems, for broad appeal in research and practice
- Provides a firm theoretical foundation allowing readers to comprehend the underlying technologies of mechatronic systems and processes

Control Of Mechatronic Systems is an important text for advanced students and professionals of all levels engaged in a broad range of engineering disciplines.

APRIL 2020 504PP
978-1-119-50580-8 CL \$130.00 (Japan)
Control Process & Measurements

Fundamentals of Heat Engines

Reciprocating and Gas Turbine Internal Combustion Engines

JAMIL GHOJEL

Summarizes the analysis and design of today's gas heat engine cycles

This book offers readers comprehensive coverage of heat engine cycles. From ideal (theoretical) cycles to practical cycles and real cycles, it gradually increases in degree of complexity so that newcomers can learn and advance at a logical pace, and so instructors can tailor their courses toward each class level. To facilitate the transition from one type of cycle to another, it offers readers additional material covering fundamental engineering science principles in mechanics, fluid mechanics, thermodynamics, and thermochemistry.

Fundamentals of Heat Engines: Reciprocating and Gas Turbine Internal-Combustion Engines begins with a review of some fundamental principles of engineering science, before covering a wide range of topics on thermochemistry. It next discusses theoretical aspects of the reciprocating piston engine, starting with simple air-standard cycles, followed by theoretical cycles of forced induction engines, and ending with more realistic cycles that can be used to predict engine performance as a first approximation. Lastly, the book looks at gas turbines and covers cycles with gradually increasing complexity to end with realistic engine design-point and off-design calculations methods.

Fundamentals of Heat Engines can be adopted for mechanical, aerospace, and automotive engineering courses at different levels and will also benefit engineering professionals in those fields and beyond.

SERIES: WILEY-ASME PRESS SERIES

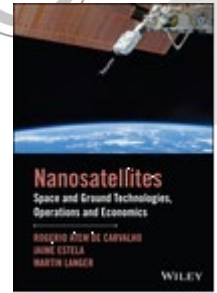
APRIL 2020 536PP
978-1-119-54876-8 CL \$140.00 (Japan)
Aeronautic & Aerospace Engineering



Nanosatellites

Space and Ground Technologies, Operations and Economics

EDITOR ROGERIO ATEM DE CARVALHO,
EDITOR JAIME ESTELA & EDITOR MARTIN LANGER



Covering the latest research on nanosatellites

Nanosatellites: Space and Ground Technologies, Operations and Economics comprehensively presents the latest research on the fast-developing area of nanosatellites. Divided into three distinct sections, the book begins with a brief history of nanosatellites and introduces nanosatellites technologies and payloads, also explaining how these are deployed into space. The second section provides an overview of the ground segment and operations, and the third section focuses on the regulations, policies, economics, and future trends.

Key features:

- Payloads for nanosatellites
- Nanosatellites components design
- Examines the cost of development of nanosatellites.
- Covers the latest policies and regulations.
- Considers future trends for nanosatellites.

Nanosatellites: Space and Ground Technologies, Operations and Economics is a comprehensive reference for researchers and practitioners working with nanosatellites in the aerospace industry.

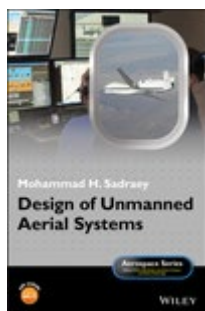
APRIL 2020 517PP
978-1-119-04203-7 CL \$160.00 (Japan)
Aeronautic & Aerospace Engineering

Unmanned Aircraft Design Techniques

MOHAMMAD H. SADRAEY

Daniel Webster College, USA

Provides a comprehensive introduction to the design and analysis of unmanned aircraft systems with a systems perspective



Written for students and engineers who are new to the field of unmanned aerial vehicle design, this book teaches the many UAV design techniques being used today and demonstrates how to apply aeronautical science concepts to their design.

Design of Unmanned Aerial Systems covers the design of UAVs in three sections--vehicle design, autopilot design, and ground systems design--in a way that allows readers to fully comprehend the science behind the subject so that they can then demonstrate creativity in the application of these concepts on their own. It teaches students and engineers all about: UAV classifications, design groups, design requirements, mission planning, conceptual design, detail design, and design procedures. It provides them with in-depth knowledge of ground stations, power systems, propulsion systems, automatic flight control systems, guidance systems, navigation systems, and launch and recovery systems. Students will also learn about payloads, manufacturing considerations, design challenges, flight software, microcontroller, and design examples. In addition, the book places major emphasis on the automatic flight control systems and autopilots.

- Provides design steps and procedures for each major component
- Presents several fully solved, step-by-step examples at component level
- Includes numerous UAV figures/images to emphasize the application of the concepts

Design of Unmanned Aerial Systems is an excellent text for courses in the design of unmanned aerial vehicles at both the upper division undergraduate and beginning graduate levels.

SERIES: AEROSPACE SERIES

APRIL 2020 664PP
978-1-119-50870-0 CL \$150.00 (Japan)
Aeronautic & Aerospace Engineering

Page 87

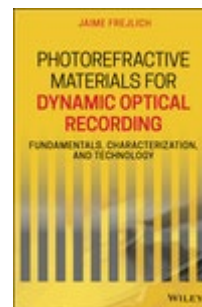
材料科学

Photorefractive Materials for Dynamic Optical Recording

Fundamentals, Characterization, and Technology

JAIME FREJLICH

Instituto de Física-Laboratório de Óptica, Universidade Estadual de Campinas



A comprehensive and up-to-date reference on holographic recording

Photorefractive Materials for Dynamic Optical Recording offers a comprehensive overview of the physics, technology, and characterization of photorefractive materials that are used for optical recording. The author, a noted expert on the topic, offers an exploration of both transient and permanent holographic information storage methods. The text is written in clear terms with coherent explanations of the different methods that allows for easy access to the most appropriate method for a specific need. The book provides an analysis of the fundamental properties of the materials and explores the dynamic recording of a spatial electric charge distribution and the associated spatial electric field distribution. The text also includes information on the characterization of photorefractive materials using holographic and nonholographic optical methods and electrical techniques, reporting a large number of actual experimental results on a variety of materials. This important resource:

- Offers an in-depth source of information on the physics and technology of all relevant holographic recording methods
- Contains text written by a pioneer in the field--Jaime Frejlich's research defined the field of dynamic holographic recording
- Presents a one-stop resource that covers all phenomena and methods
- Includes a review of the practical applications of the technology

Written for materials scientists, solid state physicists, optical physicists, physicists in industry, and engineering scientists, *Photorefractive Materials for Dynamic Optical Recording* offers a comprehensive resource on the topic from the groundbreaking expert in the field.

APRIL 2020 352PP
978-1-119-56377-8 CL \$175.00 (Japan)
Optical and Non-Linear Optical Materials

Handbook of Fibrous Materials

Vol. 1: Production and Characterization / Vol. 2: Applications in Energy, Environmental Science and Healthcare
2 Volumes

JINLIAN HU

Edited by a leading expert in the field with contributions from experienced researchers in fibers and textiles, this handbook reviews the current state of fibrous materials and provides a broad overview of their use in research and development. Volume One focuses on the classes of fibers, their production and characterization, while the second volume concentrates on their applications, including emerging ones in the areas of energy, environmental science and healthcare.

Unparalleled knowledge of high relevance to academia and industry.

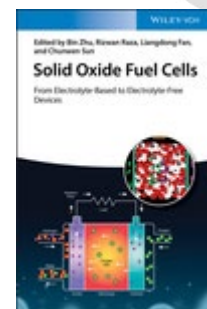
APRIL 2020 1040PP
978-3-527-34220-4 CL \$540.00 (Japan)
Properties of Materials

Solid Oxide Fuel Cells

From Electrolyte-Based to Electrolyte-Free Devices

EDITOR BIN ZHU, EDITOR RIZWAN RAZA,
EDITOR LIANGDONG FAN & EDITOR
CHUNWEN SUN

Presents innovative approaches towards affordable, highly efficient, and reliable sustainable energy systems



Written by leading experts on the subject, this book provides not only a basic introduction and understanding of conventional fuel cell principle, but also an updated view of the most recent developments in this field. It focuses on the new energy conversion technologies based on both electrolyte and electrolyte-free fuel cells, from advanced novel ceria-based composite electrolyte low temperature solid oxide fuel cells to non-electrolyte fuel cells as advanced fuel-to-electricity conversion technology.

Solid Oxide Fuel Cells: From Electrolyte-Based to Electrolyte-Free Devices is divided into three parts. Part I covers the latest developments of anode, electrolyte, and cathode materials as well as the SOFC technologies. Part II discusses the non-electrolyte or semiconductor-based membrane fuel cells. Part III focuses on engineering efforts on materials, technology, devices and stack developments, and looks at various applications and new opportunities of SOFC using both the electrolyte and non-electrolyte principles, including integrated fuel cell systems with electrolysis, solar energy, and more.

- Offers knowledge on how to realize highly efficient fuel cells with novel device structures
- Shows the opportunity to transform the future fuel cell markets and the possibility to commercialize fuel cells in an extended range of applications
- Presents a unique collection of contributions on the development of solid oxide fuel cells from electrolyte based to non-electrolyte-based technology
- Provides a more comprehensive understanding of the advances in fuel cells and bridges the knowledge from traditional SOFC to the new concept

Solid Oxide Fuel Cells: From Electrolyte-Based to Electrolyte-Free Devices will serve as an important reference work to students, scientists, engineers, researchers, and technology developers in the fuel cell field.

APRIL 2020 512PP
978-3-527-34411-6 CL \$230.00 (Japan)
Materials for Energy Systems

ナノテクノロジー

TiO₂ Nanoparticles

Applications in Nanobiotechnology, Theranostics and Nanomedicine

EDITOR AIGUO WU & EDITOR WENZHI REN

A unique book that summarizes the properties, toxicology, and biomedical applications of TiO₂-based nanoparticles

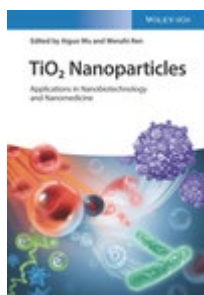
Nanotechnology is becoming increasingly important for products used in our daily lives. Nanometer-sized titanium dioxide (TiO₂) are widely used in industry for different purposes, such as painting, sunscreen, printing, cosmetics, biomedicine, and so on. This book summarizes the advances of TiO₂ based nanobiotechnology and nanomedicine, covering materials properties, toxicological research, and biomedical application, such as antibacter, biosensing, and cancer theranostics. It uniquely integrates the TiO₂ applications from physical properties, toxicology to various biomedical applications, and includes black TiO₂ based cancer theranostics.

Beginning with a comprehensive introduction to the properties and applications of nanoparticles, TiO₂ Nanoparticles: Applications in Nanobiotechnology, Theranostics and Nanomedicine offers chapters on: Toxicity of TiO₂ Nanoparticles; Antibacterial Applications of TiO₂ Nanoparticles; Surface Enhanced Raman Spectrum of TiO₂ Nanoparticle for Biosensing (TiO₂ Nanoparticle Served as SERS Sensing Substrate); TiO₂ as Inorganic Photosensitizer for Photodynamic Therapy; Cancer Theranostics of Black TiO₂ Nanoparticles; and Neurodegenerative Disease Diagnostics and Therapy of TiO₂-Based Nanoparticles. This title:

- Blends the physical properties, toxicology of TiO₂ nanoparticles to the many biomedical applications
- Includes black TiO₂ based cancer theranostics in its coverage
- Appeals to a broad audience of researchers in academia and industry working on nanomaterials-based biosensing, drug delivery, nanomedicine

TiO₂ Nanoparticles: Applications in Nanobiotechnology, Theranostics and Nanomedicine is an ideal book for medicinal chemists, analytical chemists, biochemists, materials scientists, toxicologists, and those in the pharmaceutical industry.

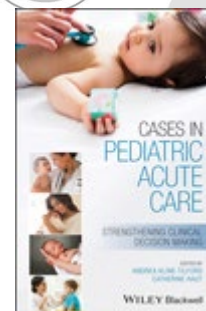
APRIL 2020 256PP
978-3-527-34724-7 CL \$175.00 (Japan)
Nanomedicine



ナーシング

Cases in Pediatric Acute Care

Strengthening Clinical Decision Making

EDITOR ANDREA KLINE-TILFORD &
EDITOR CATHERINE HAUT

Cases in Pediatric Acute Care presents over 100 real-world pediatric acute care cases, each including a brief patient history, a detailed history of present illness, presenting signs and symptoms, vital signs, and physical examination findings. Ideal for developing a systematic approach to diagnosis, evaluation, and treatment, this resource provides students and advanced practitioners with the tools required to deliver comprehensive care to acute, chronic and critically ill children. The cases encompass a wide range of body systems, medical scenarios, professional issues and general pediatric concerns, and feature laboratory data, radiographic images and information on case study progression and resolution.

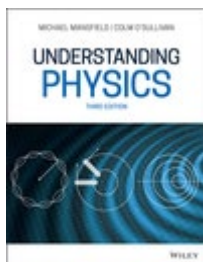
- Develops the essential skills necessary to provide the best possible pediatric acute care
- Discusses the most appropriate differential diagnoses, diagnostic evaluation, and management plans for each case
- Presents cases related to pulmonary, cardiac, neurologic, endocrine, metabolic, musculoskeletal, and other body systems
- Highlights key points in each case to quickly identify critical information

Cases in Pediatric Acute Care is an excellent resource for advanced practice provider students and pediatric healthcare providers managing acutely ill children.

APRIL 2020 484PP
978-1-119-56822-3 PB \$59.99 (Japan)
Nursing Children & Young People

Understanding Physics, 3rd Edition

MICHAEL M. MANSFIELD & COLM
O'SULLIVAN
University College Cork



An updated and thoroughly revised third edition of the foundational text offering an introduction to physics with a comprehensive interactive website

The revised and updated third edition of *Understanding Physics* presents a comprehensive introduction to college-level physics. Written with today's students in mind, this compact text covers the core material required within an introductory course in a clear and engaging way. The authors -- noted experts on the topic -- offer an understanding of the physical universe and present the mathematical tools used in physics.

The book covers all the material required in an introductory physics course. Each topic is introduced from first principles so that the text is suitable for students without a prior background in physics. At the same time the book is designed to enable students to proceed easily to subsequent courses in physics and may be used to support such courses. Relativity and quantum mechanics are introduced at an earlier stage than is usually found in introductory textbooks and are integrated with the more 'classical' material from which they have evolved.

Worked examples and links to problems, designed to be both illustrative and challenging, are included throughout. The links to over 600 problems and their solutions, as well as links to more advanced sections, interactive problems, simulations and videos may be made by typing in the URL's which are noted throughout the text or by scanning the micro QR codes given alongside the URL's.

Written for first year physics students, the revised and updated third edition of *Understanding Physics* offers a foundation text and interactive website for undergraduate students in physics, materials science and engineering.

APRIL 2020 648PP
978-1-119-51950-8 PB \$70.00 (Japan)
General Physics

Conflicting Models for the Origin of Life

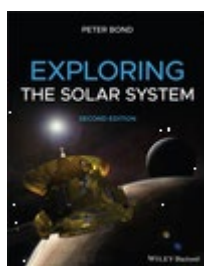
MARTIN M. HANCZYC, STOYAN K. SMOUKOV, JOSEPH
SECKBACH & RICHARD GORDON
Bard College, New York

APRIL 2020 600PP
978-1-119-55552-0 CL \$245.00 (Japan)
Astronomy & Astrophysics

Exploring the Solar System

2nd Edition

PETER BOND



An Exciting and Authoritative Account of the Second Golden Age of Solar System Exploration

Award-winning author Peter Bond provides an up-to-date, in-depth account of the sun and its family in the 2nd edition of *Exploring the Solar System*. This new edition brings together the discoveries and advances in scientific understanding made during the last 60 years of solar and planetary exploration, using research conducted by the world's leading geoscientists, astronomers, and physicists. *Exploring the Solar System, 2nd Edition* is an ideal introduction for non-science undergraduates and anyone interested in learning about our small corner of the Milky Way galaxy.

APRIL 2020 500PP
978-1-119-38490-8 PB \$100.00 (Japan)
ASTRONOMY & ASTROPHYSICS

Solar Neutrino Physics

The Interplay between Particle Physics and Astronomy

LOTHAR OBERAUER & ALDO IANNI

A guide to the fascinating interplay between particle physics and astrophysics that highlights the discovery of neutrino oscillations

Written by three international experts on the topic, *Solar Neutrino Physics* offers a review of the status of solar physics with its strong link to neutrino physics. The book explores constitutive physics and the governing equations of standard solar models. The authors also review the theory of neutrinos in the Standard Model and the related detector experiments. The book contains a summary of the results from various experiments and develops a coherent view of the current state-of-the-art of solar neutrino physics.

Solar Neutrino Physics shows how solar models can be calibrated with the observational constraints of the age, mass, radius, and luminosity of the sun. The authors present general evolutionary properties of the sun as a star, past and future. They also discuss the solar neutrino production via the pp-chains and CNO-cycle, including the important role of the chemical composition of the sun. A very important source of information about the solar interior is offered by helioseismology, the study of solar oscillations. This important book:

- Presents a high-level overview of the field of solar neutrino physics
- Brings together data and their interpretation of results obtained at various solar neutrino observatories
- Combines the theory of nuclear reactions with solar neutrino experiments
- Contains a review of SNO+, JUNO, LENA, Hyper-Kamiokande, and DUNE.

Written for astronomers, physicists, and high energy physicists, *Solar Neutrino Physics* contains a review of the field of neutrino physics, the relevant equations, and the impact of matter on the behavior of neutrino oscillations.

APRIL 2020 240PP
978-3-527-41274-7 CL \$150.00 (Japan)
Astronomy & Astrophysics

哲学

A Companion to Rorty

EDITOR ALAN MALACHOWSKI
University of East Anglia

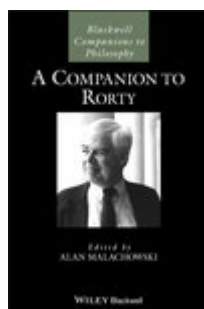
A groundbreaking reference work on the revolutionary philosophy and intellectual legacy of Richard Rorty

A provocative and often controversial thinker, Richard Rorty and his ideas have been the subject of renewed interest to philosophers working in epistemology, metaphysics, analytic philosophy, and the history of philosophy. Having called for philosophers to abandon representationalist accounts of knowledge and language, Rorty introduced radical and challenging concepts to modern philosophy, generating divisive debate through the new form of American pragmatism which he advocated and the renunciation of traditional epistemology which he espoused.

However, while Rorty has been one of the most widely-discussed figures in modern philosophy, few volumes have dealt directly with the expansive reach of his thought or its implications for the fields of philosophy in which he worked. *The Blackwell Companion to Rorty* is a collection of essays by prominent scholars which provide close, and long-overdue, examination of Rorty's groundbreaking work. Divided into five parts, this volume covers the major intellectual movements of Rorty's career from his early work on consciousness and transcendental arguments, to the lasting impacts of his major writings, to his approach to pragmatism and his controversial appropriations from other philosophers, and finally to his later work in culture, politics, and ethics.

Despite the relevance of Rorty's work for the wider community of philosophers and for those working in fields such as international relations, legal and political theory, sociology, and feminist studies, the secondary literature surrounding Rorty's work and legacy is limited. *A Companion to Rorty* address this absence, providing a comprehensive resource for philosophers and general readers.

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY
APRIL 2020 600PP
978-1-118-97216-8 CL \$190.00 (Japan)
9781119641742 PB \$54.95 (Japan) NYP, DEC. 2021
General Philosophy



The Philosopher's Toolkit

3rd Edition

PETER S. FOSL, LEXINGTON, UNITED STATES
& JULIAN BAGGINI

Transylvania University, Lexington; The
Philosophers' Magazine



A new edition of the bestselling guide to the study of philosophy: the ideal intellectual 'toolkit' for sharpening analytical skills and building philosophical acuity

Whether used as a guide to basic principles or a resource for key concepts and methods, *The Philosopher's Toolkit* equips readers with all the intellectual 'tools' necessary for engaging closely with philosophical argument and developing fluency in the methods and language of philosophical inquiry. Featuring accessible explanations, practical examples, and expert guidance, this text empowers readers to understand traditional philosophical thinking and to engage with new ideas.

- Focuses on the practical methods and concepts necessary for philosophical inquiry
- Presents a versatile resource for both novice and advanced students in areas of philosophy, critical theory, and rhetoric
- Adopts a pluralistic approach to teaching philosophy, making this a suitable resource for many courses
- Delivers extensive cross-referenced entries, recommended readings, and updated online resources
- Covers an array of topics, from basic tools of argumentation to sophisticated philosophical principles
- Fully revised and updated to include new topics and entries as well as expanded recommended reading lists to encourage further study

APRIL 2020 376PP
978-1-119-10321-9 PB \$23.95 (Japan)
GENERAL PHILOSOPHY

Philosophy's Future

The Problem of Philosophical Progress

EDITOR RUSSELL BLACKFORD & EDITOR
DAMIEN BRODERICK

Monash University, Australia;
Independent Scholar and Author



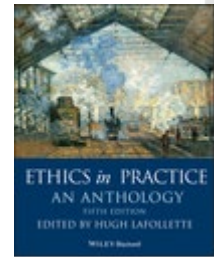
Philosophy's Future: The Problem of Philosophical Progress diagnoses the state of philosophy as an academic discipline and calls it to account, inviting further reflection and dialogue on its cultural value and capacity for future evolution.

- Offers the most up-to-date treatment of the intellectual and cultural value of contemporary philosophy from a wide range of perspectives
- Features contributions from distinguished philosophers such as Frank Jackson, Karen Green, Timothy Williamson, Jessica Wilson, and many others
- Explores the ways philosophical investigations of logic, world, mind, and moral responsibility continue to shape the empirical and theoretical sciences
- Considers the role of contemporary philosophy in political issues such as women's rights, the discrimination of minorities, and public health

APRIL 2020 288PP
978-1-119-21012-2 PB \$22.99 (Japan)
9781119210085 CL \$104.00 (Japan) Published, JUNE 2017
General Philosophy

Ethics in Practice An Anthology, 5th Edition

HUGH LAFOLLETTE
University of South Florida



The bestselling and field-defining textbook which has introduced generations of students to the field of practical ethics, now in a new fully-revised fifth edition

For more than twenty years, *Ethics in Practice* has paved the way for students to confront the difficult ethical questions they will, must, or do already face. Accessible to introductory students yet sufficiently rigorous for those pursuing advanced study, this celebrated collection encourages and guides readers to explore ethical dimensions of important, controversial topics such as euthanasia, environmental action, economic injustice, discrimination, incarceration, abortion, and torture. In combining new and revised modern texts with works of classic scholarship, *Ethics in Practice* equips readers to consider wide-ranging ideas in practical ethics and to understand the historical basis for contemporary developments in ethical theory.

Revisions and updates to the new edition of *Ethics in Practice* focus on covering pressing global issues and adding depth to key sections. Many sections have been expanded to offer more thorough coverage of topics in ethical theory. Edited by Hugh LaFollette, highly regarded for his contributions in the field of practical ethics, this important volume:

- Explores the connections between ethical theory and divisive contemporary debates
- Includes general and section introductions which map the conceptual terrain, making it easy for students to understand and discuss the theoretical and practical dimensions of the issues
- Offers up-to-date incisive discussion global, local, and personal ethical issues
- Provides original essays, new perspectives, and revisions of key critical texts

Already a market-leading text for introductory and applied ethics courses, the latest edition of *Ethics in Practice: An Anthology* continues to be an essential resource for instructors and students in philosophy departments around the world.

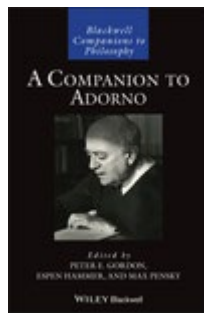
SERIES: BLACKWELL PHILOSOPHY ANTHOLOGIES

APRIL 2020 760PP
978-1-119-35886-2 PB \$59.95 (Japan)
APPLIED ETHICS

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.

- Provides new research and fresh perspectives on Adorno's views and writings
- Offers an authoritative, single-volume resource for Adorno scholarship
- Addresses renewed interest in Adorno's significance to contemporary questions in philosophy
- Presents over 40 essays written by international-recognized experts in the field

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

APRIL 2020 680PP
978-1-119-14691-9 CL \$190.00 (Japan)
9781119147015 PB \$54.95 (Japan) NYP, FEB. 2021
20th Century Philosophy

A Companion to Relativism

EDITOR STEVEN D. HALES

Bloomsburg University, Pennsylvania, USA

- Features original contributions from many of the leading figures working on various aspects of relativism
- Presents a substantial, broad range of current thinking about relativism
- Addresses relativism from many of the major subfields of philosophy including philosophy of language, epistemology, ethics, philosophy of science, logic, and metaphysics

READERSHIP: Upper-level undergraduate and graduate students for courses on relativism, ethics, metaphysics, epistemology, or philosophy of science; also for scholars and researchers

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

APRIL 2020 640PP
978-1-119-69816-6 PB \$45.00 (Japan)
9781405190213 CL \$59.25 (Japan) Published, JAN.2011
Metaphysics

What is Philosophy of Science?

DEAN RICKLES

READERSHIP: Undergraduate students in philosophy and philosophy of science.

SERIES: WHAT IS PHILOSOPHY?

APRIL 2020 160PP
978-1-5095-3416-6 CL \$64.95 (Japan)
978-1-5095-3417-3 PB \$19.95 (Japan)
Philosophy of Science



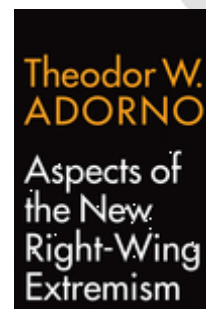
Aspects of the New Right-Wing Extremism

THEODOR W. ADORNO & TRANSLATOR
WIELAND HOBAN

Frankfurt School

READERSHIP:

General readers interested in the rise of right-wing political movements, right-wing extremism and populism today; students and academics in sociology, politics and social and political theory; anyone interested in critical theory and radical politics.



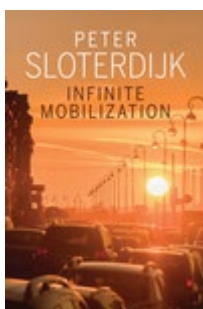
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Social Philosophy

Infinite Mobilization

PETER SLOTERDIJK & TRANSLATOR
SANDRA BERJAN

Karlsruhe School of Design

READERSHIP: Students and scholars in philosophy, sociology, cultural studies and critical theory; general readers interested in critical theory and in contemporary thought.



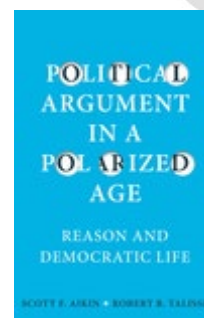
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Social Philosophy

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The intelligent layperson with an interest in thinking about political disagreement.



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政治学

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RICHARD TUCK

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General readers interested in Brexit,
current affairs and political theory



APRIL 2020 200PP
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(Japan)
European Politics

Informality Revisited

Latin American Perspectives on Housing, the
State and the Market

EDITOR CLARA SALAZAR

El Colegio de Mexico, Mexico

Informality Revisited offers an overview of recent debates about Latin American government programmes for the formalisation of informal settlements and housing provision in a neo-liberal context. Contributions from Latin American researchers analyse the contradictions in government actions and evaluate the consequences for urban poverty.

- Brings together ten leading Latin American researchers in the field of land and housing policy to address the question of informal urban development, particularly in Brazil, Colombia, Mexico and Peru
- Highlights the interrelationships between the production of formal and informal urban development and demonstrates how economic and legal reforms intended to make the market more effective and profitable have affected the production of urban space
- Explores how Latin American governments are applying neo-liberal principles to land and housing policies
- Investigates the implications of government actions for the production and commodification of urban land as well as the formalisation of property rights and provision of housing for the urban poor
- Contributors draw on a wide range of quantitative and qualitative data, including census results and previously unpublished official statistics

SERIES: BULLETIN OF LATIN AMERICAN RESEARCH BOOK
SERIES

APRIL 2020 208PP
978-1-119-14110-5 PB \$19.99 (Japan)
Latin American Politics

Ch'ixinakax utxiwa

On Decolonising Practices and Discourses

SILVIA RIVERA CUSICANQUI & TRANSLATOR MOLLY GEIDEL

READERSHIP:

This book will be of great interest to students and scholars throughout the humanities and social sciences and to everyone concerned with the key questions of critical theory and postcolonialism today.



SERIES: CRITICAL SOUTH

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Colonialism & Imperialism

The False Promise of Liberal Order

Nostalgia, Delusion and the Rise of Trump

PATRICK PORTER

READERSHIP: Students of international relations, global politics and American foreign policy

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International Relations



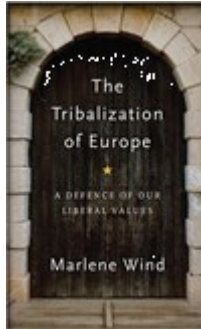
The Tribalization of Europe

A Defence of our Liberal Values

MARLENE WIND

READERSHIP: General readers interested in and concerned about current events and contemporary politics in Europe, the United States and beyond; students and scholars in politics and sociology.

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DAVID D. ROBERTS

READERSHIP: Students and scholars in political theory, political philosophy, and history, particularly those doing courses on 20th century European history, totalitarianism, communism, and fascism.

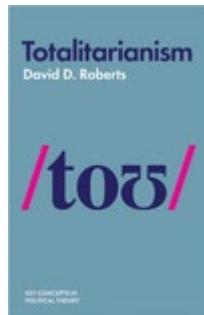
SERIES: KEY CONCEPTS IN POLITICAL THEORY

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Political Philosophy & Theory



Violence and Political Theory

ELIZABETH FRAZER & KIMBERLY HUTCHINGS

READERSHIP: Students and scholars of political theory and philosophy, and international relations, particularly those doing courses on violence/the ethics of violence, war, terrorism and peace studies.

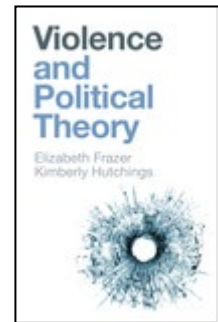
SERIES: AND POLITICAL THEORY

APRIL 2020 224PP

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978-1-5095-3672-6 PB \$22.95 (Japan)

Political Philosophy & Theory



The Wiley Blackwell Handbook of the Psychology of Training, Development, and Performance Improvement

KURT KRAIGER, JONATHAN PASSMORE, NUNO REBELO DOS SANTOS & SIGMAR MALVEZZI

University of Colorado at Denver; University of East London, UK

The Wiley Blackwell Handbook of the Psychology of Training, Development, and Performance Improvement provides up-to-date, contemporary information for researchers and professionals by reviewing the latest literature and research in the interconnected fields of training, development, and performance appraisal. It brings a psychological perspective to bear on a multi-disciplinary field that links to management, human resources, and education. Unique to reference works in this area, it maintains a truly global focus on the field with top international contributors looking at research and practice from around the world, including South America, Europe, Canada, and Australia, as well as the United States and the United Kingdom. The chapters cover a diverse range of important contemporary topics, such as needs analysis, job design, active learning, self-regulation, simulation approaches, 360-degree feedback, and virtual learning environments. Together, they offer researchers and professionals essential information for building a talented organization, a critical and challenging task for organizational success in the 21st century.

SERIES: WILEY-BLACKWELL HANDBOOKS IN ORGANIZATIONAL PSYCHOLOGY

APRIL 2020 550PP
978-1-119-67366-8 PB \$59.95 (Japan)
9781118737019 CL \$208.00 (Japan) Published, OCT 2014
Organizational & Industrial Psychology

Stalking

An International Perspective

OLIVER CHAN & LORRAINE L. SHERIDAN

The goal of this edited volume is to offer a comprehensive and up-to-date discussion of relevant topics in the area of stalking perpetration and victimization. We see this text as an important piece of work covering two major aspects. First and most importantly, the chapters are contributed by scholars and practitioners from many countries, encompassing different regions of the world (e.g., Asia, Australasia, North America, Europe, and Africa). To our knowledge, this is the first work to offer an international (or global) approach to exploring different topics on stalking perpetration and victimization. A second major highlight is an examination of stalking from both theoretical (i.e., empirical research) and practical (i.e., practice and policy) perspectives. Hence, it will be a useful text and reference source for academics, students and a range of field practitioners. This approach -- an international overview of stalking from both theoretical and practical standpoints -- will be a hallmark of this proposed book.

SERIES: WILEY SERIES IN PSYCHOLOGY OF CRIME, POLICING AND LAW

APRIL 2020 300PP
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Forensic Psychology

Introducing Cognitive Analytic Therapy

Principles and Practice of a Relational Approach
to Mental Health

2nd Edition

ANTHONY RYLE & IAN B. KERR

St Thomas's Hospital, London ; Community Health Sheffield
NHS Trust, Sheffield, UK

Cognitive Analytic Therapy (CAT) was first developed in the 1980s as a time-limited individual therapy that could be used in publicly funded services, but is now being extended into new and longer formats for more complex patient groups. Although initially an attempt to integrate psychoanalytic and cognitive theories and methods, CAT has over time become increasingly differentiated from both. Now, it is established as a distinct model, still evolving and with an ever-expanding research base, which offers a coherent understanding of normal and dysfunctional individual psychology.

The second edition of *Introducing CAT* will follow the same form as the first, to offer a systematic and comprehensive introduction to the origins, development and practice of CAT. However, the new edition will provide a fully updated overview of developments in theory, practice and research, and of extensions into new areas. It will supplant the first edition as the **primary teaching text for all CAT training that takes place worldwide**. There are currently 15 established courses in the UK plus more in Greece, Finland, Australia and Spain, and developing interest in countries such as Chile, New Zealand and Bulgaria. The international community is brought together by the Association for Cognitive Analytic Therapy (ACAT) and the new International Cognitive Analytic Therapy Association (ICATA), launched in autumn 2009.

APRIL 2020 288PP
978-0-470-97243-4 PB \$49.95 (Japan)
PSYCHOTHERAPY & COUNSELING

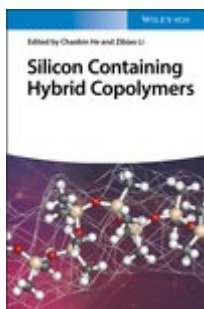
ポリマーサイエンス

Silicon Containing Hybrid Copolymers

Synthesis, Properties, and Applications

CHAOBIN HE & ZIBIAO LI

Combines chemistry and material science in order to provide a complete overview of the design, synthesis, and applications of organo-silica



This book offers comprehensive and systematic coverage of the latest developments in functional hybrid silicon copolymers, their applications, and how they were developed in relation to previous works in the preparation of various functional groups terminated silicone materials.

Silicon Containing Hybrid Copolymers begins with a chapter that introduces readers to organo-silicon materials. It then presents a chapter on reactive functionally terminated polyorganosiloxanes, and contains a section on the methods and advances of functionalized polyhedral oligomeric silsesquioxanes (POSS) and copolymers. Nanostructured self-assemblies from silicon containing hybrid copolymers are discussed as are superhydrophobic materials derived from hybrid silicon. Other chapters examine silicone copolymers for healthcare and personal care applications; construction of organic optoelectronic materials by using polyhedral oligomeric silsesquioxanes (POSS); and 3D printing silicone materials and devices. The book also includes an overview of material toughening and fire retardancy in regards to hybrid POSS nanocomposites. This title:

- Focuses on design and synthesis strategies, providing a valuable resource for researchers in academia and industry
- Presents recent applications, with emphasis on the underlying strategies and the influence from previous designs, in fields such as healthcare and consumer care
- Combines synthetic pathways with design specific considerations to provide the reader with greater control over the design process

Silicon Containing Hybrid Copolymers is an ideal book for materials scientists, polymer chemists, and bioinorganic chemists.

APRIL 2020 280PP
978-3-527-34664-6 CL \$185.00 (Japan)
Polymer Synthesis

Physics of Polymer Gels

TAKAMASA SAKAI

The book elucidates in detail the physics of polymer gels and reviews their unique properties that make them attractive for innumerable applications. Geared towards experienced researchers and entrants to the field, the book covers rubber elasticity, swelling and shrinking, deformation and fracture of as well as mass transport in polymer gels, enabling the readers to purposefully design polymer gels fit for specific purposes.

ABOUT THE AUTHOR

Takamasa Sakai is Associate Professor in the Department of Bioengineering at the University of Tokyo, Japan. His research is focused on polymer physics and structural biomaterials and was recognized with numerous awards, including the Award for the Encouragement of Research in Polymer Science from the Japanese Polymer Society and the Sumitomo Bakelite Award.

APRIL 2020 304PP
978-3-527-34641-7 CL \$175.00 (Japan)
Polymer Physics

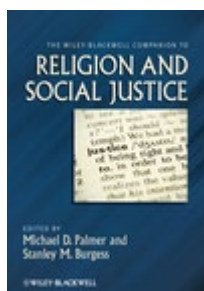
宗教

The Wiley-Blackwell Companion to Religion and Social Justice

EDITOR MICHAEL D. PALMER & EDITOR
STANLEY M. BURGESS

Regent University, USA; Regent
University, USA

The Wiley-Blackwell Companion to Religion and Social Justice brings together a team of distinguished scholars to provide a comprehensive and comparative account of social justice in the major religious traditions.



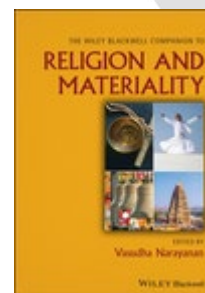
- The first publication to offer a comparative study of social justice for each of the major world religions, exploring viewpoints within Christianity, Islam, Judaism, Hinduism, Buddhism, and Confucianism
- Offers a unique and enlightening volume for those studying religion and social justice - a crucially important subject within the history of religion, and a significant area of academic study in the field
- Brings together the beliefs of individual traditions in a comprehensive, explanatory, and informative style
- All essays are newly-commissioned and written by eminent scholars in the field
- Benefits from a distinctive four-part organization, with sections on major religions; religious movements and themes; indigenous people; and issues of social justice, from colonialism to civil rights, and AIDS through to environmental concerns

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

APRIL 2020 664PP 978-1-119-57210-7 PB \$36.50 (Japan)
9781405195478 CL \$236.00 (Japan) Published, MARCH 2012
General & Introductory Religion & Theology

The Wiley Blackwell Companion to Religion and Materiality

VASUDHA NARAYANAN



The Wiley Blackwell Companion to Religion and Materiality provides a thoughtfully organized, inclusive, and vibrant project of the multiple ways in which religion and materiality intersect. The contributions explore the way that religion is shaped by, and has shaped, the material world, embedding beliefs, doctrines, and texts into social and cultural contexts of production, circulation, and consumption.

The Companion not only contains scholarly essays but has an accompanying website to demonstrate the work of performers, architects, and expressive artists, ranging from musicians and dancers to religious practitioners. These examples offer specific illustrations of the interplay of religion and materiality in everyday life. The project is organized from a comparative perspective, highlighting examples and case studies from traditions originating in both East and West. To summarize, the volume:

- Brings together the leading figures, theories and ideas in the field in a systematic and comprehensive way
- Offers an interdisciplinary approach drawing together religious studies, anthropology, archaeology, history, sociology, geography, the cognitive sciences, ecology, and media studies
- Takes a comparative perspective, covering all the major faith traditions

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

APRIL 2020 592PP
978-1-118-66010-2 CL \$195.00 (Japan)
Comparative & World Religions

The Wiley-Blackwell Companion to Inter-Religious Dialogue

EDITOR CATHERINE CORNILLE

Boston College, USA

- Provides a comprehensive and wide-ranging volume exploring the development, the conditions, and the current state of play of collaboration between different religions
- Considers the benefits of constructive interreligious engagement to various types of social projects
- Explores theoretical issues including the history, nature, and methods of interreligious dialogue
- Focuses on real-life examples, providing a fascinating series of descriptions and case studies, including a discussion of the challenges and prospects for future collaboration

READERSHIP: Advanced-level undergraduates, graduates, faculty, and practitioners studying inter-religious dialogue within theology and religious studies

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

APRIL 2020 512PP

978-1-119-57259-6 PB \$36.50 (Japan)

9780470655207 CL \$209.00 Published, MAY 2013 (Japan)

Comparative & World Religions

Science & Religion

A New Introduction, 3rd Edition

ALISTER E. MCGRATH

University of Oxford



The leading introductory textbook on the study of religion and the natural sciences, including new coverage of the latest topics in the field

Science and Religion provides students with a thorough introduction to the major themes and landmark debates in the interaction of science and religion. Incorporating history, philosophy, the natural sciences, and theology, this popular textbook examines how science and religion approach central questions and discusses the relationship between the two areas through the centuries. The authoritative and accessible chapters are designed for readers with minimal knowledge of science or theology.

Written by one of the world's leading authorities on the study of religion and science, this fully revised and updated third edition addresses contemporary topics and reflects the latest conceptual developments in the field. New and expanded chapters and case studies discuss Scientism, evolutionary theodicy, the Theory of Relativity, warranted belief in science and religion, the influence of science and religion on human values, and more. The most up-to-date introduction to this exciting and rapidly growing field, this textbook:

- Offers an engaging, thematically-based approach to the subject
- Provides historical context for major events in science and religion
- Explores scientific and religious perspectives on Creation and the existence of God
- Discusses models, analogies, and issues at the intersection of science and religion
- Is supported by a series of videos that complement each chapter

One of the most respected and widely adopted textbooks in the field, *Science and Religion: A New Introduction, 3rd Edition* is an ideal resource for college, seminary, and university students in courses in science and religion; church or community courses in the relation of science and faith; and general readers looking for an inclusive overview of the field.

APRIL 2020 272PP

978-1-119-59987-6 PB

RELIGION & SCIENCE

1 and 2 Thessalonians Through the Centuries

ANTHONY C. THISELTON

University of Nottingham, UK



- A unique Bible commentary on 1 & 2 Thessalonians, exploring how people have both interpreted, and been influenced by, Paul's first two letters
- Addresses questions concerning the content, setting, and authenticity of the two Thessalonian letters, drawing on responses from leading scholars, poets, hymn writers, preachers, theologians, and biblical scholars throughout the ages
- Offers new insights into issues they raise concerning feminist biblical interpretation
- Written by Anthony Thiselton, a leading commentator on the Greek New Testament

READERSHIP: Advanced-level undergraduates, graduates, and faculty studying the New Testament, biblical studies, or theology and culture

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 336PP
978-1-119-67392-7 PB \$40.95(Japan)
9781405196826 CL \$142.50 (Japan) Published, NOV.2010
Biblical Studies

The Acts of the Apostles Through the Centuries

HEIDI J. HORNIK & MIKEAL C. PARSONS

Baylor University, Texas; Baylor University, Texas



READERSHIP: Libraries and scholars interested in Bible Studies, New Testament, The Acts of the Apostles and reception history.

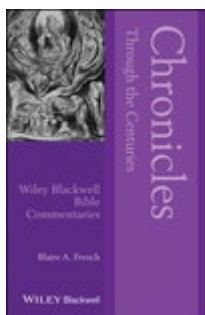
SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 368PP
978-1-119-30406-7 PB \$46.75 (Japan)
9781405176354 CL \$104.00 (Japan) Published, NOV. 2016
Biblical Studies

Chronicles Through the Centuries

BLAIRE A. FRENCH

Offers a history of the interpretation of Chronicles in theology, worship, music, literature and art from the ancient period to the present day, demonstrating its foundational importance within the Old Testament



- Explores important differences between the same topics and stories that occur in Chronicles and other biblical books such as Genesis and Kings, including the pious depiction of David, the clear correlation between moral behavior and divine reward, and the elevation of music in worship
- Examines the reception of Chronicles among its interpreters, including rabbis of the Talmud, Jerome, Martin Luther, Johann Sebastian Bach, Cotton Mather, and others,
- Features broad yet comprehensive coverage that considers Jewish and Christian, ancient and modern, and secular and pop cultural interpretations
- Organizes discussions by verse to illuminate each one's changing meaning across the ages

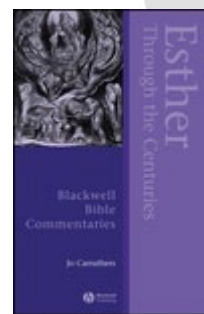
SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 248PP
978-1-119-67390-3 PB \$40.95 (Japan)
9781118690086 CL \$114.50(Japan) Published, DEC.2016
Biblical Studies

Esther Through the Centuries

JO CARRUTHERS

University of Bristol, UK



- *Special hardback price now available!*
- Provides a fascinating and interdisciplinary Bible commentary tracing Jewish, Christian, and secular reception of the only biblical book not to mention God
- Unearths a wealth of neglected rewritings inspired by the story's relevance to themes of nationhood, rebellion, revenge, female heroism, Jewish identity, genocide and "multiculturalism"
- Explores Esther's influence on writers from George Eliot to artists such as Michelangelo, and traces its significance from early rabbinic interpretation to contemporary rewritings
- Examines Esther chapter-by-chapter, revealing a surprising after life remarkably resonant with contemporary preoccupations

READERSHIP: Students and scholars of Biblical studies, as well those working in the areas of literature, history, and cultural studies.

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 320PP
978-1-119-00467-7 PB \$37.50 (Japan)
9781405132138 CL \$55.00 (Japan) Published, DEC.2007
Biblical Studies

James Through the Centuries

DAVID GOWLER

Emory University, USA

This unique commentary on James by an outstanding New Testament specialist, provides a broad range of original perspectives of how people have interpreted, and been influenced by, this important epistle.



The author explores a vast array of interpretations extending far beyond theological commentary, sermons, and hymns, which also embraces the epistle's influences on literature, art, politics, and social theory. The work includes examples of how successive generations have portrayed the historical figure of James the Just, in both pictorial and textual form. Contextualizing his analysis with excerpts from key documents, including visual and artistic representations of James, the author reviews the dynamic interactions between the James and Jesus traditions and compares James's epistle with those of Paul. The volume highlights James's particular concern for the poor and marginalized, charting the many responses to this aspect of his legacy. Drawing on sources as varied as William Shakespeare, John Calvin, Charles Schultz's Peanuts, and political cartoons, this is an exhaustive study of the theological and cultural debates sparked by the Epistle of James.

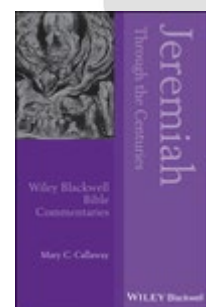
SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 256PP
978-1-119-67389-7 PB
9781405151146 CL \$117.50 (Japan) Published, NOV. 2013
Biblical Studies

Jeremiah Through the Centuries

MARY CHILTON CALLAWAY

READERSHIP: undergraduates in theology and biblical studies; students and teachers in other areas of biblical study; Judaic studies; bible and literature, cultural criticism; interested general readers.



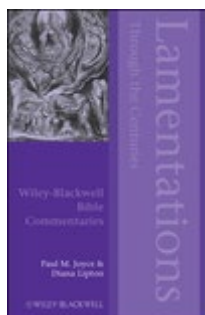
SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 256PP
978-0-631-23151-6 CL \$100.00 (Japan)
Biblical Studies

Lamentations Through the Centuries

PAUL M. JOYCE, DIANA LIPTON, DAVID M. GUNN & JOHN F. A. SAWYER

King's College London, UK; Tel Aviv University & The Hebrew University of Jerusalem's Rothberg International School, Israel; Texas Christian University; Formerly Newcastle University, UK



SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 232PP
978-1-119-67387-3 PB \$40.95 (Japan)
9780631219781 CL \$107.00 (Japan) Published, APR.2013
Biblical Studies

The Pastoral Epistles Through the Centuries

JAY TWOMEY
University of Cincinnati, USA



- Explores the important role of the New Testament letters to Timothy and Titus, known collectively as the Pastoral Epistles, in the development of early Christianity
- Surveys the many theological, cultural, literary, political, and artistic uses of the Pastorals, and the broader influence these letters have had throughout the ages
- Considers the Pastorals' complex influence on issues such as church structure and rites, the roles of women in Christian religious life, the authority of scripture, and the development of monastic orders
- Examines the many ways in which language and concepts from the Pastoral Epistles (such as "fight the good fight" and "the root of all evils" have filtered into our cultural vernacular
- References the works of major theologians and interpreters from all periods, and places special emphasis on traditionally underrepresented interpreters

READERSHIP: Upper-level students and faculty of biblical studies, history of Christian thought, and St. Paul; related disciplines studying the impact of the Bible on culture

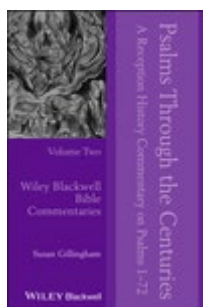
SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 272PP
978-1-119-00468-4 PB \$40.95 (Japan)
9781405126144 CL \$55.00 (Japan) Published, DEC.2008
Biblical Studies

Psalms Through the Centuries, Volume Two

SUSAN GILLINGHAM

Worcester College, Oxford, UK



Psalms Through the Centuries: Volume Two provides the first ever extensive commentary on the Jewish and Christian reception history of the first two books of the Psalter (Psalms 1-41 and 42-72). It explores the various uses of the Psalms, over two millennia, in translation and commentary, liturgy and prayer, study and preaching, musical composition and artistic illustration, poetic and dramatic imitation, and contemporary discourse.

With lavish illustrations, using examples from both music and art, *Psalms Through the Centuries: Volume Two* offers a detailed commentary on each psalm, with an extensive bibliography, a large glossary of terms, and helpful indices. It is an ideal resource both for students and scholars in the academy and for lay people and ministers in church and synagogue.

Psalms Through the Centuries is published within the Wiley Blackwell Commentary series. Further information about this innovative reception history series is available at www.bbibcomm.info

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

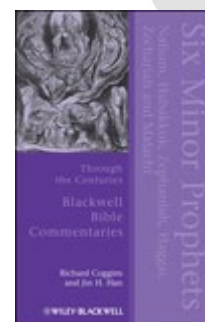
APRIL 2020 480PP
978-1-119-48018-1 PB \$45.00 (Japan)
9781118830567 CL \$130.00 (Japan) Published, APR. 2018
Biblical Studies

Six Minor Prophets Through the Centuries

Nahum, Habakkuk, Zephaniah,
Haggai, Zechariah, and Malachi

RICHARD J. COGGINS & JIN H. HAN

formerly of King's College London, UK;
New York Theological Seminary, USA



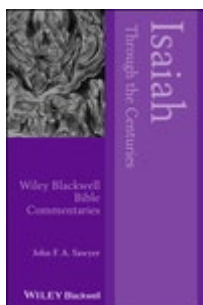
READERSHIP: Libraries and scholars
interested in Bible Studies, Old
Testament, Prophets and reception history

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

APRIL 2020 296PP
978-1-119-67388-0 PB CL \$40.95(Japan)
9781405176750 CL \$139.25(Japan) Published, AUG. 2011
Biblical Studies

Isaiah Through the Centuries

JOHN F. A. SAWYER
Formerly Newcastle University, UK



The first systematic and comprehensive attempt to identify and analyze the role of Isaianic language and imagery in literature, art, and music

Using reception history as its basis for study, *Isaiah Through the Centuries* is an unprecedented exploration of the afterlife of the Book of Isaiah, specifically in art, literature, and music. This is a commentary that guides the reader through the Book of Isaiah, examining the differing interpretations of each phrase or passage from a variety of cultural and religious perspectives, Jewish, Christian and Muslim. Clearly structured and accessible, and richly illustrated, the book functions as a complete and comprehensive educational reference work.

Isaiah Through the Centuries encourages readers to learn with an open mind and to understand how different interpretations have helped in the teaching and comprehension of the Bible and Isaiah's place in it. As part of the Wiley-Blackwell Bible Commentaries series, which is primarily concerned with reception history, the book emphasizes that how people interpret the prophet--and how they've been influenced by him--is often just as important as the sacred text's original meaning.

- Uses reception history to study the renowned prophet
- Provides a historical context for every use or interpretation discussed
- Offers essential background information on authors, artists, musicians, etc. in its glossary and biographies
- Minimizes historical details in order to focus as much as possible on exegetical matters
- Presents the role of Isaiah and the Bible in the creative arts
- Will be useful to multiple disciplines including theology and religion, English literature, art history and the history of music, not just Biblical Studies

Comprehensive in scope, *Isaiah Through the Centuries* is a much-needed resource for all those interested in the influence of the Bible on Western culture, and presents unique perspectives for anyone interested in the Bible to discuss and debate for many years to come.

SERIES: WILEY BLACKWELL BIBLE COMMENTARIES

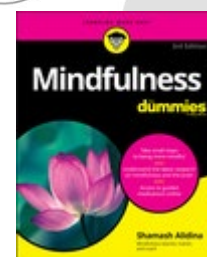
APRIL 2020 512PP
978-1-119-67391-0 PB
Old Testament / 9780631219637 CL

セルフヘルプ

Mindfulness For Dummies

3rd Edition

SHAMASH ALIDINA



Breathe deep, declutter your mind, and start leading a healthier, happier life

The worry won't stop. You're feeling stressed out, the day-to-day seems overwhelming, and it seems difficult to do the simplest things. How can you escape this continual negative feedback loop? Mindfulness is the answer.

Practiced by millions of people worldwide, mindfulness puts you back in a healthy relationship with yourself by teaching techniques that allow you to maintain a moment-by-moment awareness of your thoughts, feelings, and environment.

- Clear your mind of distracting thoughts
- Focus on breathing and other self-control techniques
- Change the wiring and makeup of your brain
- Free yourself from the stress

With this expert, easy-to-follow guide, there's never been a better time to get to grips with mindfulness and the many ways it can help you lead a happier, healthier life.

APRIL 2020 400PP
978-1-119-64156-8 PB \$26.99 (Japan)
GENERAL SELF-HELP

Disaster Education, Communication and Engagement

NEIL DUFTY

A detailed guide to the design and evaluation of effective disaster learning programs

Disaster Education, Communication and Engagement provides a much-needed evidence-based guide for designing effective disaster learning plans and programs that are tailored to local communities and their particular hazard risks. Drawing on the most recent research from disaster psychology, disaster sociology, and education psychology, as well as evaluations of disaster learning programs, the book contains practical guidance for putting in place a proven design framework.

The book outlines the steps to take in order to tailor a disaster education, communication and engagement program and highlights illustrative examples of effective programs and activities from around the world. The author includes information on how to identify potential community learners and presents a methodology for understanding the at-risk community, its hazard risks, disaster risk reduction, and emergency management arrangements. *Disaster Education, Communication and Engagement* describes both country-wide campaigns and local disaster programs that involve community participation. This important resource:

- Presents a detailed framework to guide the design and evaluation of tailored disaster learning programs
- Includes information that links disaster resilience with sustainability and climate change learning
- Describes the “disaster cycle” and reviews learning content and methods related to the cycle
- Explains effective ways to combine disaster education, disaster communications, and disaster-related engagement
- Contains material on using new technologies such as gamification, virtual reality, and social media

Written for emergency managers, students of emergency management, and humanitarian courses, *Disaster Education, Communication and Engagement* is a hands-on guide filled with ideas and templates for designing and evaluating targeted disaster learning programs.

APRIL 2020 232PP
978-1-119-56979-4 CL \$100.00(Japan)
Emergency Management

社会学

Durkheim and After

The Durkheimian Tradition, 1893-2020

PHILIP SMITH

University of Queensland, Australia

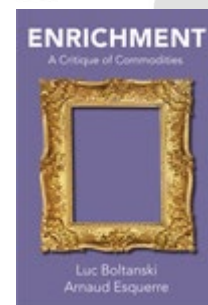
READERSHIP: Students and scholars of Durkheim, introductory sociology, classic social theory, cultural sociology, structural-functionalism, cultural studies, and anthropology.



APRIL 2020 260PP
978-1-5095-1827-2 CL \$69.95 (Japan)
978-1-5095-1828-9 PB \$24.95 (Japan)
Social Theory

Enrichment

A Critique of Commodities

LUC BOLTANSKI, ARNAUD ESQUERRE &
TRANSLATOR CATHERINE PORTEREcole des hautes études en sciences
sociales, Paris

This book offers a major new account of modern capitalism and of the ways in which value and wealth are created today. Boltanski and Esquerre argue that capitalism in the West has recently undergone a fundamental transformation characterized by de-industrialization, on the one hand, and, on the other, by the increased exploitation of certain resources that, while not entirely new, have taken on unprecedented importance. It is this new form of exploitation that has given rise to what they call the enrichment economy.

The enrichment economy is based less on the production of new objects and more on the enrichment of things and places that already exist. It has grown out of a combination of many different activities and phenomena, all of which involve, in their varying ways, the exploitation of the past. The enrichment economy draws upon the trade in things that are intended above all for the wealthy, thus providing a supplementary source of enrichment for the wealthy people who deal in these things and exacerbating income inequality.

As opportunities to profit from the exploitation of industrial labour began to diminish, capitalism shifted its focus to expand the range of things that could be exploited. This gave rise to a plurality of different forms for making things valuable -- valuing objects in terms of their properties is only one such form. The form that plays a central role in the enrichment economy is what the authors call the collection form, which values objects based on the gap they fill in a collection. This valuation process relies on the creation of narratives which enrich commodities.

This wide-ranging and highly original work makes a major contribution to our understanding of contemporary societies and of how capitalism is changing today. It will be of great value to students and scholars in sociology, political economy and cultural studies, as well as to anyone interested in the social and economic transformations shaping our world.

APRIL 2020 600PP
978-1-5095-2872-1 CL \$45.00 (Japan)
Social Theory

Social Capital

JOONMO SON

READERSHIP: Upper-level undergraduate students and graduate students in social sciences, and practitioners in relevant fields

SERIES: KEY CONCEPTS

APRIL 2020 200PP

978-1-5095-1378-9 CL \$64.95 (Japan)

978-1-5095-1379-6 PB \$22.95 (Japan)

Social Theory

Uprooting

PIERRE BOURDIEU & ABDELMAYEK SAYAD

Collège de France

Between 1954 and 1960, in the midst of the Algerian War, more than two million Algerian peasants – a quarter of the population – were forcibly resettled. They were removed from their homes and villages and relocated in camps controlled by the French military in what was one of the largest and most brutal displacements of a rural population in history.

It was in this context of colonial violence that Pierre Bourdieu and Abdelmalek Sayad set out to examine transformations in the fundamental structures of peasant economy and thought. By destroying the spatial and temporal frameworks of ordinary existence and reorganizing the life of peasants, the process of uprooting completed what the imperial policy of land confiscation and the spread of monetary exchange had started: the 'depeasantization' of agrarian communities stripped of the social and cultural means to make sense of the present and orient themselves to the future. This destruction of the traditional way of life was exacerbated by the quasi-urban conditions of the resettlement shantytowns, which brought about irreversible transformations in economic attitudes at the same time as they accelerated the contagion of needs, plunging the uprooted individuals into a 'traditionalism of despair' suited to daily survival in conditions of extreme uncertainty. Through their detailed analysis of these processes Bourdieu and Sayad provide a powerful account both of the destruction of a traditional way of life and of the brutal effects of colonial power.

This classic text, now published in English for the first time, will be of great interest to students and scholars in sociology, anthropology, politics, migration studies, postcolonial studies and the social sciences and humanities generally, and to anyone concerned with the impact of colonization and its aftermath.

READERSHIP: Students and scholars of sociology, anthropology and the broader social sciences.

APRIL 2020 250PP

978-0-7456-2354-2 PB \$34.95 (Japan)

Social Theory



Intersectionality

PATRICIA HILL COLLINS & SIRMA BILGE

READERSHIP:

Students of sociology, particularly race, class and gender, as well as those working and studying in applied fields such as health, public policy and criminology.

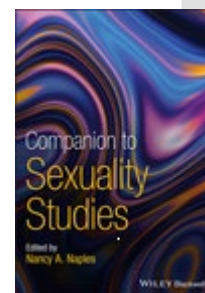
SERIES: KEY CONCEPTS

APRIL 2020 304PP
978-1-5095-3967-3 CL \$69.95 (Japan)
978-1-5095-3968-0 PB \$24.95 (Japan)
Feminist Theory

Companion to Sexuality Studies

NANCY A. NAPLES

An inclusive and accessible resource on the interdisciplinary study of gender and sexuality



Companion to Sexuality Studies explores the significant theories, concepts, themes, events, and debates of the interdisciplinary study of sexuality in a broad range of cultural, social, and political contexts. Bringing together essays by an international team of experts from diverse academic backgrounds, this comprehensive volume provides original insights and fresh perspectives on the history and institutional regulatory processes that socially construct sex and sexuality and examines the movements for social justice that advance sexual citizenship and reproductive rights.

Detailed yet accessible chapters explore the intersection of sexuality studies and fields such as science, health, psychology, economics, environmental studies, and social movements over different periods of time and in different social and national contexts. Divided into five parts, the *Companion* first discusses the theoretical and methodological diversity of sexuality studies. Subsequent chapters address the fields of health, science and psychology, religion, education and the economy. They also include attention to sexuality as constructed in popular culture, as well as global activism, sexual citizenship, policy, and law.

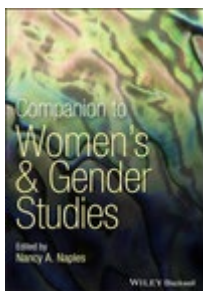
The *Companion to Sexuality Studies* is an indispensable resource for scholars, researchers, instructors, and students in gender, sexuality, and feminist studies, interdisciplinary programs in cultural studies, international studies, and human rights, as well as disciplines such as anthropology, psychology, history, education, human geography, political science, and sociology.

APRIL 2020 524PP
978-1-119-31499-8 CL \$185.00 (Japan)
9781119315025 PB \$51.95 (Japan) NYP, FEB.2023
Gender & Sexuality

Companion to Women's & Gender Studies

NANCY A. NAPLES

A comprehensive overview of the interdisciplinary field of Women's and Gender Studies, featuring original contributions from leading experts from around the world

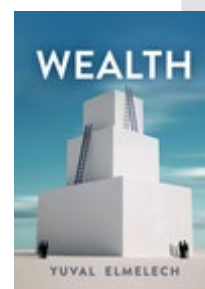


The Companion to Women's and Gender Studies is a comprehensive resource for students and scholars alike, exploring the central concepts, theories, themes, debates, and events in this dynamic field. Contributions from leading scholars and researchers cover a wide range of topics while providing diverse international, postcolonial, intersectional, and interdisciplinary insights. In-depth yet accessible chapters discuss the social construction and reproduction of gender and inequalities in various cultural, social-economic, and political contexts. Thematically-organized chapters explore the development of Women's and Gender Studies as an academic discipline, changes in the field, research directions, and significant scholarship in specific, interrelated disciplines such as science, health, psychology, and economics. Original essays offer fresh perspectives on the mechanisms by which gender intersects with other systems of power and privilege, the relation of androcentric approaches to science and gender bias in research, how feminist activists use media to challenge misrepresentations and inequalities, disparity between men and women in the labor market, how social movements continue to change Women's and Gender Studies, and more.

APRIL 2020 508PP 978-1-119-31508-7 CL \$185.00 (Japan)
9781119315018 PB \$51.95(Japan) NYP, MARCH.2023
Gender & Sexuality

Wealth

YUVAL ELMELECH



Wealth has captivated people's attention for centuries. Yet despite society's fascination with the 1%, wealth accumulation has largely been neglected as a topic of social research, hidden beneath data on income inequality. *Wealth* aims to remedy this shortcoming.

In accessible prose, Yuval Elmelech explains how, both conceptually and empirically, wealth differs fundamentally from other conventional measures of socioeconomic status and why it has become increasingly important, in recent years especially, to our understanding of inequality and social mobility. Crucially, Elmelech presents a dynamic sociological framework that illuminates the extent to which cumulative advantages and disadvantages of the family life course are shaped by a complex interplay of multiple markets, changing demographic landscapes, and social contexts associated with group membership (for instance race, ethnicity, gender, and religious affiliations).

Blending theoretical approaches with empirical studies, and macro-level contexts with meso-level processes, this book offers an astute guide for thinking about and interrogating wealth as a social fact and the scope of its role in inequality, as well as other social and demographic trends.

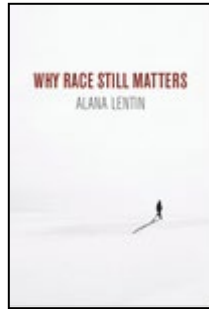
READERSHIP: Advanced undergraduate and graduate students across the social sciences studying inequality, especially in sociology

SERIES: ECONOMY AND SOCIETY

APRIL 2020 200PP
978-0-7456-9786-4 CL \$64.95 (Japan)
978-0-7456-9787-1 PB \$22.95 (Japan)
Sociology of Economics

Why Race Still Matters

ALANA LENTIN



Why are you making this about race?' This question is repeated daily in public and in the media. Calling someone racist in these times of mounting white supremacy seems to be a worse insult than racism itself. In our supposedly post-racial society, surely it's time to stop talking about race?

This powerful refutation is a call to notice not just when and how race still matters but when, how and why it is said not to matter. Race critical scholar Alana Lentin argues that society is in urgent need of developing the skills of racial literacy, by jettisoning the idea that race *is* something and unveiling what race *does* as a key technology of modern rule, hidden in plain sight. Weaving together international examples, she eviscerates misconceptions such as reverse racism and the newfound acceptability of 'race realism', bursts the 'I'm not racist, but' justification, complicates the common criticisms of identity politics and warns against using concerns about antisemitism as a proxy for antiracism.

Dominant voices in society suggest we are talking too much about race. Lentin shows why we actually need to talk about it more and how in doing so we can act to make it matter less.

READERSHIP: Students and scholars of race and ethnicity across the social sciences, as well as engaged general readers

APRIL 2020 184PP
978-1-5095-3570-5 CL \$54.95 (Japan)
978-1-5095-3571-2 PB \$19.95 (Japan)
Population & Demography

統計学

Statistics and Probability with Applications for Engineers and Scientists Using MINITAB, R and JMP, 2nd Edition

BHISHAM C. GUPTA, IRWIN GUTTMAN & KALANKA P. JAYALATH
is Professor in the Department of Mathematics and Statistics at the University of Southern Maine; University of Toronto



Introduces basic concepts in probability and statistics to data science students, as well as engineers and scientists

Aimed at undergraduate/graduate-level engineering and natural science students, this timely, fully updated edition of a popular book on statistics and probability shows how real-world problems can be solved using statistical concepts. It removes Excel exhibits and replaces them with R software throughout, and updates both MINITAB and JMP software instructions and content. A new chapter discussing data mining—including big data, classification, machine learning, and visualization—is featured. Another new chapter covers cluster analysis methodologies in hierarchical, nonhierarchical, and model based clustering. *Statistics and Probability with Applications for Engineers and Scientists using MINITAB, R and JMP, Second Edition* is broken into two parts. Part I covers topics such as: describing data graphically and numerically, elements of probability, discrete and continuous random variables and their probability distributions, distribution functions of random variables, sampling distributions, estimation of population parameters and hypothesis testing. Part II covers: elements of reliability theory, data mining, cluster analysis, analysis of categorical data, nonparametric tests, simple and multiple linear regression analysis, analysis of variance, factorial designs, response surfaces, and statistical quality control (SQC) including phase I and phase II control charts. The appendices contain statistical tables and charts and answers to selected problems.

Statistics and Probability with Applications for Engineers and Scientists using MINITAB, R and JMP is an excellent text for graduate level data science students, and engineers and scientists. It is also an ideal introduction to applied statistics and probability for undergraduate students in engineering and the natural sciences.

APRIL 2020 1040PP
978-1-119-51663-7 CL \$145.00 (Japan)
PROBABILITY & MATHEMATICAL STATISTICS

Principles of Managerial Statistics and Data Science

ROBERTO RIVERA
Family Health International, Durham,
North Carolina

Introduces readers to the principles of managerial statistics and data science, with an emphasis on statistical literacy of business students



Through a statistical perspective, this book introduces readers to the topic of data science, including Big Data, data analytics, and data wrangling. Chapters include multiple examples showing the application of the theoretical aspects presented. It features practice problems designed to ensure that readers understand the concepts and can apply them using real data. Over 100 open data sets used for examples and problems come from regions throughout the world, allowing the instructor to adapt the application to local data with which students can identify.

Topics covered in *Principles of Managerial Statistics and Data Science* include: data visualization; descriptive measures; probability; probability distributions; mathematical expectation; confidence intervals; and hypothesis testing. Analysis of variance; simple linear regression; and multiple linear regression are also included. In addition, the book offers contingency tables, Chi-square tests, non-parametric methods, and time series methods. The textbook:

- Includes academic material usually covered in introductory Statistics courses, but with a data science twist, and less emphasis in the theory
- Relies on Minitab to present how to perform tasks with a computer
- Presents and motivates use of data that comes from open portals
- Focuses on developing an intuition on how the procedures work
- Exposes readers to the potential in Big Data and current failures of its use
- Supplementary material includes: a companion website that houses PowerPoint slides; an Instructor's Manual with tips, a syllabus model, and project ideas; R code to reproduce examples and case studies; and information about the open portal data
- Features an appendix with solutions to some practice problems

APRIL 2020 688PP
978-1-119-48641-1 CL \$130.00 (Japan)
Statistics for Finance, Business & Economics

Hands On With Google Data Studio

A Data Citizen's Survival Guide

LEE HURST



Learn how to easily transform your data into engaging, interactive visual reports!

Data is no longer the sole domain of tech professionals and scientists. Whether in our personal, business, or community lives, data is rapidly increasing in both importance and sheer volume. The ability to visualize all kinds of data is now within reach for anyone with a computer and an internet connection. Google Data Studio, quickly becoming the most popular free tool in data visualization, offers users a flexible, powerful way to transform private and public data into interactive knowledge that can be easily shared and understood. *Hands On With Google Data Studio* teaches you how to visualize your data *today* and produce professional quality results quickly and easily.

No previous experience is required to get started right away—all you need is this guide, a Gmail account, and a little curiosity to access and visualize data just like large businesses and organizations. Clear, step-by-step instructions help you identify business trends, turn budget data into a report, assess how your websites or business listings are performing, analyze public data, and much more. Practical examples and expert tips are found throughout the text to help you fully understand and apply your new knowledge to a wide array of real-world scenarios. This engaging, reader-friendly guide will enable you to:

- Use Google Data Studio to access various types of data, from your own personal data to public sources
- Build your first data set, navigate the Data Studio interface, customize reports, and share your work
- Learn the fundamentals of data visualization, personal data accessibility, and open data API's
- Harness the power of publicly accessible data services including Google's recently released Data Set Search
- Add banners, logos, custom graphics, and color palettes

Hands On With Google Data Studio: A Data Citizens Survival Guide is a must-have resource for anyone starting their data visualization journey, from individuals, consultants, and small business owners to large business and organization managers and leaders.

APRIL 2020 432PP
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Data Analysis

Sampling and Estimation from Finite Populations

YVES TILLE

Universite de Neuchatel



A much-needed reference on survey sampling and its applications that presents the latest advances in the field

Seeking to show that sampling theory is a living discipline with a very broad scope, this book examines the modern development of the theory of survey sampling and the foundations of survey sampling. It offers readers a critical approach to the subject and discusses putting theory into practice. It also explores the treatment of non-sampling errors featuring a range of topics from the problems of coverage to the treatment of non-response. In addition, the book includes real examples, applications, and a large set of exercises with solutions.

Sampling and Estimation from Finite Populations begins with a look at the history of survey sampling. It then offers chapters on: population, sample, and estimation; simple and systematic designs; stratification; sampling with unequal probabilities; balanced sampling; cluster and two-stage sampling; and other topics on sampling, such as spatial sampling, coordination in repeated surveys, and multiple survey frames. The book also includes sections on: post-stratification and calibration on marginal totals; calibration estimation; estimation of complex parameters; variance estimation by linearization; and much more.

- Provides an up-to-date review of the theory of sampling
- Discusses the foundation of inference in survey sampling, in particular, the model-based and design-based frameworks
- Reviews the problems of application of the theory into practice
- Also deals with the treatment of non sampling errors

Sampling and Estimation from Finite Populations is an excellent book for methodologists and researchers in survey agencies and advanced undergraduate and graduate students in social science, statistics, and survey courses.

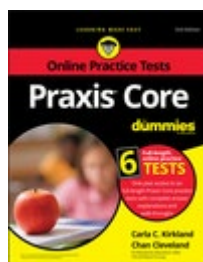
SERIES: WILEY SERIES IN SURVEY METHODOLOGY

APRIL 2020 448PP
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Exam 200-301

TODD LAMMLE

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APRIL 2020
978-1-119-67761-1 PB \$88.00 (Japan)
Cisco Certification

獣医学

Clinical Small Animal Internal Medicine

EDITOR DAVID BRUYETTE
West Los Angeles Animal
Hospital, Los Angeles, California,
USA



Clinical Small Animal Internal Medicine is a comprehensive, practical reference designed to meet the needs of veterinary practitioners and students alike. Covering all aspects of small animal internal medicine, this innovative guide provides clinically relevant material, plus podcasts and continual updates online. Concise, identically-formatted chapters allow readers to quickly find the most essential information for clinical veterinary practice.

Contributions from academic and clinical experts cover general medicine subjects, including patient evaluation and management, critical care medicine, preventative care, and diagnostic and therapeutic considerations. Topics relevant to daily clinical practice are examined in detail, ranging from endocrine, cardiovascular, respiratory, and infectious disease to oncology, dermatology, metabolic orthopedic disease, gastroenterology, and hepatology. A companion website features podcasts and updated information. An important addition to the library of any practice, this clinically-oriented text:

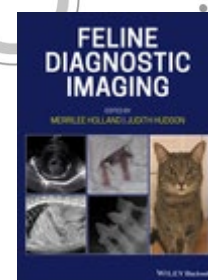
- Presents complete, practical information on small animal internal medicine
- Provides the background physiology required to understand normal versus abnormal in real-world clinical settings
- Includes general medicine topics not covered in other internal medicine books
- Focuses on information that is directly applicable to daily practice
- Features podcasts and continual updates on a companion website

Carefully tailored for the needs of small animal practitioners and veterinary students, *Clinical Small Animal Internal Medicine* is an invaluable, reader-friendly reference on internal medicine of the dog and cat.

APRIL 2020 1664PP
978-1-118-49706-7 CL \$249.99 (Japan)
Veterinary Internal Medicine

Feline Diagnostic Imaging

EDITOR MERRILEE HOLLAND & EDITOR
JUDITH HUDSON
Auburn University, Auburn, Alabama,
USA; Auburn University, Auburn, Alabama,
USA



This book offers a comprehensive resource for imaging the feline patient, with an emphasis on the unique considerations of imaging cats. It focuses on radiology and ultrasound, with some coverage of advanced imaging such as computed tomography and magnetic resonance imaging. Incorporating more than 1750 high-quality images, it is an invaluable reference for any veterinary practitioner with a significant feline caseload.

Feline Diagnostic Imaging begins with information on the radiographic evaluation of the thorax, abdomen, and musculoskeletal structures, including normal anatomy and pathology, followed by a review of common echocardiographic and abdominal ultrasound findings and abnormalities. Advanced imaging of the skull using computed tomography and magnetic resonance imaging cases of brain and spinal disease are also included. The book:

- Provides imaging information specifically tailored to the particular needs of cats
- Emphasizes the modalities most commonly used in general practice, with some discussion of advanced imaging
- Gives a complete overview of diagnostic imaging for the feline patients
- Includes tips and tricks for the unique considerations of working with cats
- Presents essential information for any practitioner treating feline patients

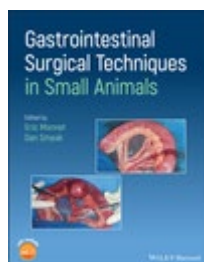
Offering a feline focus not found in other imaging books, *Feline Diagnostic Imaging* is an essential purchase for veterinarians wishing to improve their diagnostic imaging skills in cats. It's also an excellent guide for veterinary radiologists, and veterinary students and residents.

APRIL 2020 648PP
978-1-118-84094-8 CL \$169.99 (Japan)
Veterinary Imaging

Gastrointestinal Surgical Techniques in Small Animals

ERIC MONNET & DAN SMEAK

Colorado State University, USA



Gastrointestinal Surgical Techniques in Small Animals offers a highly detailed reference to surgical procedures in the gastrointestinal tract in dogs and cats. Each chapter describes the surgical techniques in depth, featuring high-quality illustrations depicting each step, and discusses tips and tricks for a successful surgery and potential complications. A companion website offers video clips demonstrating the procedures.

Logically divided into sections by anatomy, each chapter covers indications, contraindications, and decision making for a specific surgery. Tips and tricks and potential complications are also covered.

- Describes techniques for canine and feline gastrointestinal surgery in detail
- Presents the state of the art for GI surgery in dogs and cats
- Includes access to a companion website with video clips demonstrating techniques

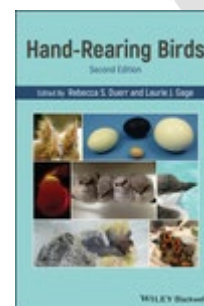
Gastrointestinal Surgical Techniques in Small Animals is an essential resource for small animal surgeons and veterinary residents.

APRIL 2020 344PP
978-1-119-36920-2 CL \$149.99 (Japan)
Veterinary Surgery, Orthopedics & Trauma

Hand-Rearing Birds 2nd Edition

REBECCA S. DUERR & LAURIE J. GAGE

International Bird Rescue, California, USA; Zoo and Wildlife Veterinary Consultant in California



This book presents a detailed guide to hand-rearing techniques for raising young birds, providing complete coverage of a wide variety of avian species and taxonomic groups for all avian care professionals. Chapters are written by expert rehabilitation, aviculture, and zoo professionals, and include useful references and bibliographies for further reading and research. Each chapter provides valuable information on appropriate intervention, housing, feeding, and care.

Hand-Rearing Birds, Second Edition presents 50 chapters, including 12 new chapters on species or groups of species not featured in the previous edition. It also features color photographs that help illustrate many concepts pertinent to birds. This important reference:

- Offers a detailed guide to hand-rearing techniques including species-specific guides to caring for and raising young birds
- Covers a wide variety of avian species and taxonomic groups
- Discusses how to examine a chick to identify problems such as hypothermia, dehydration, injuries, and common diseases, and what to do
- Combines information on the science and skill needed to successfully hand-rear birds
- Presents full-color photographs throughout

Hand-Rearing Birds, Second Edition is an essential resource for avian rehabilitators, breeders, veterinarians, and zoo staff.

APRIL 2020 816PP
978-1-119-16775-4 CL \$139.99 (Japan)
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