

JAPAN PREVIEW

October 2019



WILEY

Mathematics for Enzyme Reaction Kinetics and Reactor Performance, 2Volume Set

F. XAVIER MALCATA

P19

Cell Culture Engineering

Recombinant Protein Production

リコンビナントタンパク質生産のための細胞培養工学

P22

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Chemical Biology of Neurodegeneration

A Molecular Approach

神経変性のケミカルバイオロジー — 分子からのアプローチ

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PEDRO MERINO

Organosilicon Chemistry

Novel Approaches and Reactions

有機ケイ素科学 — 新しいアプローチと反応

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2nd Edition

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P59

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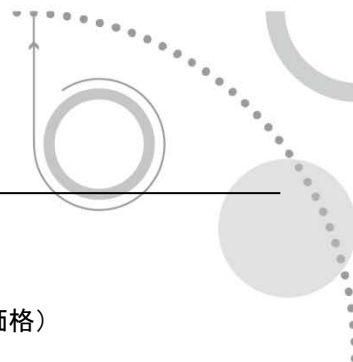
Metalorganic Vapor Phase Epitaxy (MOVPE)

Growth, Materials Properties and Applications

STUART IRVINE, PETER CAPPER, SAFA KASAP & ARTHUR WILLOUGHBY

P64

JAPAN PREVIEW



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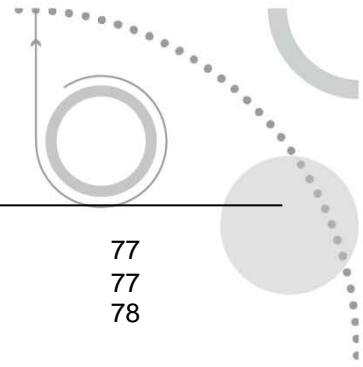
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会計学

Audit and Accounting Manual: Nonauthoritative Practice Aid, 2019

AICPA

This comprehensive, step-by-step guide provides a plain-English approach to planning and performing audits. In this handy resource, accountants and auditors will find updates for the issuance of SAS No. 132, The Auditor's Consideration of an Entity's Ability to Continue as a Going Concern, with illustrative examples, sample forms and helpful techniques ideal for small- and medium-sized firms

Key Features include:

- Comprehensive and step-by-step guidance on the performance of an audit
- Numerous alerts that address the current-year developments in a variety of areas
- Illustrative examples and forms to facilitate hands-on performance of the audit



SERIES: AICPA

OCTOBER 2019 784PP

978-1-950688-00-5 PB \$199.00 (Japan)*Advanced Accounting*

Essentials of Forensic Accounting 2nd Edition

MICHAEL A. CRAIN, WILLIAM S. HOPWOOD, RICHARD S. GENDLER & GEORGE R. YOUNG

Essentials of Forensic Accounting is an authoritative resource covering a comprehensive range of forensic accounting topics. As a foundation review, a reference book, or as preparation for the Certification in Financial Forensics (CFF®) Exam, this publication will provide thoughtful and insightful examination of the key themes in this field, including:

- Professional responsibilities and practice management
- Fundamental forensic knowledge including laws, courts, and dispute resolution
- Specialized forensic knowledge such as bankruptcy, insolvency, reorganization, and valuation



Through illustrative examples, cases, and explanations, this book makes abstract concepts come to life to help you understand and successfully navigate this complex area.

SERIES: AICPA

OCTOBER 2019 624PP

978-1-948306-44-7 PB \$139.00 (Japan)*Accounting Special Topics*

Bookkeeping All In One For Dummies 2nd Edition

LITA EPSTEIN

University of Phoenix

Do you need to get up and running on bookkeeping basics and the latest tools and technology used in the field? You've come to the right place! Bookkeeping All-In-One For Dummies is your go-to guide for all things bookkeeping. Bringing you accessible information on the new technologies and programs, it cuts through confusing jargon and gives you friendly instruction you can use right away.

Inside, you'll learn how to keep track of transactions, unravel up-to-date tax information, recognize your assets, and so much more.

- Covers all the new techniques and programs in the bookkeeping field
- Shows you how to manage assets and liabilities
- Explains how to track business transactions accurately with ledgers and journals
- Helps you make sense of accounting and bookkeeping basics

Get all the info you need to jumpstart your career as a bookkeeper!



OCTOBER 2019 608PP

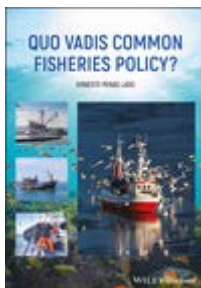
978-1-119-59290-7 PB \$29.99 (Japan)*Accounting Special Topics*

水産養殖

Quo Vadis Common Fisheries Policy?

ERNESTO PENAS LADO

Quo Vadis Common Fisheries Policy? is an essential book that provides an authoritative guide to the future challenges that face the public European fisheries policy. Written by a noted expert with 30 years' experience in fisheries policies, the book provides the information needed to analyze how a public EU policy should be evaluated, implemented, and reformed.



The book examines the difficulties of implementing the new policy including the application of the objectives of the 2013 policy reform. The author explores the myriad challenges that face the new policy due to global warming, pollution, and other global drivers. The book compares the new policy with other fisheries policy, particularly with the United States fisheries policy under the Magnusson-Stevens Act. The book offers an opportunity to address and discuss the challenges and obstacles that are not currently in the public domain. This important book:

- Provides a unique view from a noted expert and former policy insider
- Offers a critical analysis of a public EU policy from a pro-European standpoint.
- Gives a foundational resource to aid in the debate on the future of the Common Fisheries Policy
- Includes topics that go beyond EU's policy and have implications for fisheries' management around the world

OCTOBER 2019 400PP

978-1-119-57686-0 CL \$224.99 (Japan)

Fisheries

SEPTEMBER 2019

978-1-119-57690-7 [Wiley Online Library](#)

Mechanical and Electrical Equipment for Buildings

13th Edition

WALTER T. GRONDZIK & ALISON G. KWOK
Florida A&M University; University of Oregon

Mechanical and Electrical Equipment for Buildings is the most widely used text on the design of environmental control systems for buildings—helping students of architecture, architectural engineering, and construction understand what they need to know about building systems and controlling a building's environment. With over 2,200 drawings and photographs, this 13th Edition covers basic theory, preliminary building design guidelines, and detailed design procedure for buildings of all sizes. It also provides information on the latest technologies, emerging design trends, and updated codes.

Presented in nine parts, Mechanical and Electrical Equipment for Buildings, Thirteenth Edition offers readers comprehensive coverage of: environmental resources; air quality; thermal, visual, and acoustic comfort; passive heating and cooling; water design and supply; daylighting and electric lighting; liquid and solid waste; and building noise control. This book also presents the latest information on fire protection, electrical systems; and elevator and escalator systems. This Thirteenth Edition features:

- Over 2,200 illustrations, with 200 new photographs and illustrations
- All-new coverage of high-performance building design
- Thoroughly revised references to codes and standards: ASHRAE, IES, USGBC (LEED), Living Building Challenge, WELL Building Standard, and more
- Updated offering of best-in-class ancillary materials for students and instructors available via the book's companion website
- Architect Registration Examination® (ARE®) style study questions available in the instructor's manual and student guide

Mechanical and Electrical Equipment for Buildings, has been the industry standard reference that comprehensively covers all aspects of building systems for over 80 years. This Thirteenth Edition has evolved to reflect the ever-growing complexities of building design, and has maintained its relevance by allowing for the conversation to include "why" as well as "how to."

OCTOBER 2019 2016PP

978-1-119-46308-5 CL \$165.00 (Japan)

Building Design



Stainless Steel Surfaces

A Guide to Alloys, Finishes, Fabrication and Maintenance in Architecture and Art

L. WILLIAM ZAHNER

A. Zahner Company, Kansas City, MO

Stainless Steel Surfaces offers an authoritative and comprehensive guide to the application of stainless steel to create surfaces for building exteriors, interiors, and art finishes. The first volume in Zahner's Architectural Metals Series, the book is a visual, full-color book filled with the information needed to ensure proper maintenance of stainless steel and suggestions for fabrication techniques.

The author—a noted expert in the field—covers a range of topics including the history of the metal, choosing the right alloy, information on a variety of surface and chemical finishes, and facts on corrosion resistance.

Stainless Steel Surfaces is filled with illustrative case studies that offer strategies for designing and executing successful projects using stainless steel. All the books in the Zahner's Architectural Metals Series offer in-depth coverage of today's most commonly used metals in architecture and art. This important book:

- Contains a comprehensive guide to the use and maintenance of stainless steel surfaces in architecture and art
- Features full-color images of a range of stainless steel finishes, colors, textures, and forms
- Presents case studies with performance data that feature strategies on how to design and execute successful projects using stainless steel
- Offers methods to address corrosion, before and after it occurs
- Discusses the environmental impact of stainless steel from the creation process through application
- Explains the significance of the different alloys and the forms available to the designer
- Discusses what to expect when using stainless steel in various exposures

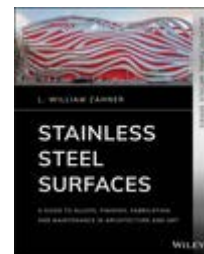
Architecture professionals, metal fabricators, developers, architecture students and instructors, designers, and artists working with metals, Stainless Steel Surfaces offers a logical framework for the selection and application of stainless steel in all aspects of architecture.

SERIES: ARCHITECTURAL METALS SERIES

OCTOBER 2019 368PP

978-1-119-54154-7 PB \$75.00 (Japan)

Building Design



BIM for Design Firms

Data Rich Architecture at Small and Medium Scales

FRANCOIS LEVY & JEFFREY W. OUELLETTE

This book expands on BIM (Building Information Modeling), showing its applicability to a range of design-oriented projects. It emphasizes the full impact that a data modeling tool has on design processes, systems, and the high level of collaboration required across the design team. It also explains the quantitative analysis opportunities that BIM affords for sustainable design and for balancing competing design agendas, while highlighting the benefits BIM offers to designing in 3D for construction. The book concludes with a deep look at the possible future of BIM and digitally-enhanced design.



Through clear explanation of the processes involved and compelling case studies of design-oriented projects presented with full-color illustrations, *BIM for Design Firms: Data Rich Architecture at Small and Medium Scales* proves that the power of BIM is far more than an improved documentation and sharing environment. It offers chapters that discuss a broad range of digital design, including problems with BIM, how readers can leverage BIM workflows for complex projects, the way BIM is taught, and more.

- Helps architects in small and medium design studios realize the cost and efficiency benefits of using BIM
- Demonstrates how the use of BIM is as relevant and beneficial for a range of projects, from small buildings to large and complex commercial developments
- Highlights the quantitative analysis opportunities of data-rich BIM models across design disciplines for climate responsiveness, design exploration, visualization, documentation, and error detection
- Includes full-color case studies of small to medium projects, so that examples are applicable to a range of practice types
- Features projects by Arca Architects, ARX Portugal Arquitectos, Bearth & Deplazes, Durbach Block Jagers, Flansburgh Architects, and LEVER Architecture

BIM for Design Firms is an excellent book for architects in small and medium-sized studios (including design departments within large firms) as well as for architecture students.

OCTOBER 2019 304PP

978-1-119-25280-1 CL \$75.00 (Japan)

Professional Practice

AUGUST 2019

978-1-119-25284-9 **Wiley Online Library**

ビジネス

Limited Liability Companies For Dummies

3rd Edition

JENNIFER REUTING, *Henderson, United States*

Limited Liability Companies For Dummies, 3rd Edition offers a clear, concise guide that explains the pros and cons of LLCs, and shares insider tips on everything from choosing your members and your company name to creating and filing your Articles of Organization and managing day-to-day operations. You'll find the most current, real-world advice on customizing an LLC for your specific business needs, creating a great operating agreement, keeping accurate records, and new information on federal regulations and fees that are applicable to LLCs, as well as a link to online tools, forms, and documents

Most of the previous drawbacks to forming an LLC have all but disappeared with the IRS having loosened restrictions and individual states following suit. Because LLCs are now more flexible, they remain an attractive option for those launching a new business or reorganizing an existing business. This book shows how to form and tap into the power of an LLC:

- Keep up on the latest information on federal taxes, regulations, and fees
- Discover the advances in technology, including online tools that streamline the processes
- Get up-to-the minute documents and forms on new filing requirements
- Learn how to set-up a real estate LLC or an LLC among family members

This hands-on guide addresses everything you need to know about LLCs, and will help you organize, launch, and run your business as a limited liability company just like the experts do!

Limited Liability Companies For Dummies, 3rd Edition (9781119602187) was previously published as Limited Liability Companies For Dummies, 3rd Edition (9781118852989). 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.

OCTOBER 2019 384PP

978-1-119-60218-7 PB \$26.99 (Japan)

General & Introductory Business & Management

The Customer Catalyst

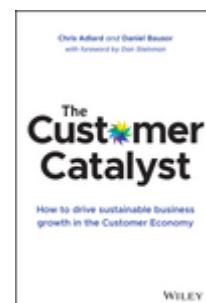
How to Drive Sustainable Business Growth in the Customer Economy

CHRIS ADLARD, DANIEL BAUSOR & Foreword by DAN STEINMAN

The Digital Revolution has changed the business landscape in remarkable ways and will continue to do so. Organisations across industries and around the world are being disrupted and digitised at increasing pace -- putting far more power in the hands of both customers and end-consumers. The traditional inside-out, functionally-siloed business model, typical of the product and sales-led growth era is over. The Customer Catalyst shows how organisations can put customers truly at the heart of their business and catalyse genuine, sustainable growth.

Future business models are no longer about functions -- they are beginning to revolve around customers. Customer-led companies will, over time, unpack their static functional activities and transform their structure. Customer advocates already wield massive influence in a customer's buying process, and this is only set to increase. This is already changing the role and nature of business functions and Sales is no longer seen as the only source of growth. The new customer-centric economy is placing greater demands on businesses and offers greater rewards to the businesses that meet and exceed customer expectations. This invaluable book will enable readers to:

- Lead their organisations to more profitable and sustainable growth
- Transform their organisations to become truly customer-centric with the 'C-Change Customer Catalyst' model
- Explore in-depth stories from leaders of companies such as Zoom, Signify, Starling Bank, Ritz Carlton, Microsoft and Finastra with frank advice and practical steps shared to achieve success
- Help their companies adapt to, and profit from the new realities of the Customer Economy
- Gain important insights from business leaders on best practice in key customer-centric growth areas



OCTOBER 2019 256PP

978-1-119-57508-5 CL \$24.00 (Japan)

Business Self-Help

The Program

Lessons from Military Special Operations for Creating and Sustaining High Performing Leaders and Teams

ERIC KAPITULIK & JAKE MACDONALD

The Program: Lessons From Elite Military Units for Creating and Sustaining High Performing Leaders and Teams offers a hands-on guide to the winning techniques and tactics of The Program, the acclaimed team building and leadership development company. Drawing on the actual experiences of The Program's instructors from their personal combat stories to working with world-class athletic teams and successful corporations, the book clearly shows how The Program's training operations can help to achieve life goals and ambitions.

The Program offers a road map that contains illustrative examples, ideas, and approaches for improving teammates and leaders at all levels within an organization of any size or type.

- Bring your organization to the next level of success
- Discover how to hold your leaders and teammates to the highest standards
- Understand how accountability increases effectiveness
- Learn to communicate effectively

This important book explores the military's leadership and team building concepts that can be implemented to ensure an organization creates and sustains performance that adheres to the highest standards of excellence.

OCTOBER 2019 288PP

978-1-119-57430-9 CL \$26.00 (Japan)

Business Self-Help



Innovation and Creativity in SMEs

Challenges, Evolutions and Prospects

CLAUDINE GAY & BERANGERE SZOSTAK

The objective of this book, which is anchored in economics and management sciences, is to provide answers to these questions in three stages. In the first part, we will develop the current transformations facing SMEs, in particular the digital transformation and the development of the collaborative economy, and show how they impact the paradigm of strategic thinking at the base of any project. innovation. In the second part, we will present the reality of innovation in SMEs according to three complementary views (the organization, the employee, the consumer); recent examples will illustrate each of them. The last part will propose a critical reflection of the tendencies at work, often paradoxical (materiality versus digitization, individualism versus collective, globalization versus proximity) and influencing the innovation of the SMEs of tomorrow; this part will be more prospective and will draw on research in the humanities and social sciences (sociology, anthropology and psychology) in addition to those of the authors.

OCTOBER 2019 230PP

978-1-78630-317-2 CL \$120.00 (Japan)

Creativity & Innovation Management

Innovation Project Management Methods, Case Studies, and Tools for Managing Innovation Projects

HAROLD KERZNER

Baldwin-Wallace College, Berea, Ohio

Conventional project management methods are oftentimes insufficient for managing innovation projects. Innovation is lost under the pre-determined scope and forecasted environments of traditional project management. There is tremendous pressure on organizations to innovate, and the project managers responsible for managing these innovation projects do not have the training or tools to do their jobs effectively. Innovation Project Management provides the tools, insights, and metrics needed to successfully manage innovation projects—helping readers identify problems in their organization, conceive elegant solutions, and, when necessary, promote changes to their organizational culture.

There are several kinds of innovation—ranging from incremental changes to existing products to wholly original processes that emerge from market-disrupting new technology—that possess different characteristics and often require different tools. Best-selling author and project management expert Harold Kerzner integrates innovation, project management, and strategic planning to offer students and practicing professionals the essential tools and processes to analyze innovation from all sides. Innovation Project Management deconstructs traditional project management methods and explains why and how innovation projects should be managed differently. This invaluable resource:

- Provides practical advice and actionable tools for effectively managing innovation projects
- Offers value-based project management metrics and guidance on how to establish a metrics management program
- Shares exclusive insights from project managers at world-class organizations such as Airbus, Boeing, Hitachi, IBM, and Siemens on how they manage innovation projects
- Explores a variety of types of innovation including co-creation, value-driven, agile, open versus closed, and more
- Instructors have access to PowerPoint lecture slides by chapter through the book's companion website

OCTOBER 2019 576PP

978-1-119-58729-3 CL \$99.00 (Japan)

Project Management

AUGUST 2019

978-1-119-58740-8 [Wiley Online Library](#)



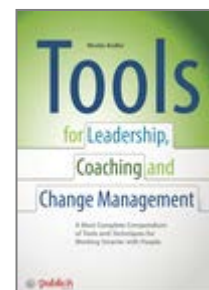
Tools for Coaching, Leadership and Change Management

**A Most Complete Compendium of Tools and
Techniques for Working Smarter with People**

NICOLAI ANDLER

Roggebaai, South Africa

- Gives the reader a reference or cookbook-style access to the most important tools in Coaching, Leadership & Change Management, including a rating of each tool in terms of applicability, ease of use and effectiveness.
- Includes nearly 100 tools, grouped into eight categories: Emotional Intelligence and Personal Development, Assessment and Audits, Coaching, Leadership: Motivation and Transformation, Performance and Development, Teamwork, Change Management, and Organisational Development and Design.
- Nicolai Andler is a management/IT consultant, business analyst and business coach. He lives in Cape Town, South Africa, and works for enterprises in South Africa and Central Europe.



OCTOBER 2019 280PP

978-3-89578-369-2 CL \$70.00 (Japan)

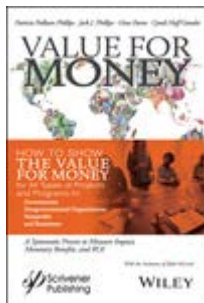
Consulting

Value for Money

How to Show the Value for Money for All Types of Projects and Programs in Governments, Non-Governmental Organizations, Nonprofits, and Businesses

PATRICIA PULLIAM PHILLIPS, JACK J. PHILLIPS, GINA PAONE, CYNDI HUFF GAUDET & With KYLE MCLEOD

Written by two of the world's most well-known ROI (Return on Investment) gurus, this guide is indispensable for anyone involved in showing the value of money for projects and programs in governments, non-governmental organizations, nonprofits, and businesses. These range from human capital programs to marketing initiatives, technology implementations, systems integrations, quality and lean processes, public health initiatives, procurement procedures, public relations events, risk management policies, economic development programs, corporate social responsibility projects, public policy programs, branding activities, innovation programs, customer satisfaction projects, and everything in between. In a step-by-step process, the book shows how to measure the success of projects and programs, including measuring impact and ROI (Return on Investment). This book also shows how to forecast the value of the project in advance and how to collect data during and after project implementation. It addresses improvements throughout the process so that the project delivers optimum value. In addition to businesses, this book is appropriate for governments, NGOs, nonprofits, universities and healthcare organizations. As a reference for those who are seeking ways to assign value to what they have measured, the book will clarify and resolve much of the mystery surrounding the conversion of data to monetary values. Building on a tremendous amount of experience, application, practice, and research, the book will be based on the work of many individuals and organizations, particularly those who have been reaching the ultimate levels of accountability using the ROI Methodology. Developed in an easy-to-read format and fortified with examples, tips, and checklists, this will be an indispensable guide for those who seek to understand accountability issues.



OCTOBER 2019 528PP

978-1-119-32265-8 CL \$125.00 (Japan)

Human Resource Management

The Matriarch Rules

How to Own Your Power, Know Your Worth, and Lead the Life You've Always Wanted

RANDY PATTERSON

What is a matriarch? For one thing, you can tell she's in charge the second she walks into a room. She's bold, she's fierce, and she's got her own unique style. The matriarch isn't some crusty old lady dressed head-to-toe in black who sits at the head of the table barking demands at Sunday dinner. The modern matriarch is alive and vivacious. She's purposeful and deliberate about everything, from her career, to her home, to her family, to what she eats for lunch. She is not second guessing herself but moving herself and those she loves boldly into the future.



The matriarch's vision for her career is as big as her love for her family, and she's paid her worth for work she's passionate about. The matriarch knows exactly what she wants the end game to be and she has the power to make it come to fruition. Simply put: she has her act together and you feel safer and more secure when you're in her presence. So, the question is, how does one become her? This book answers that question and more.

- Recast yourself
- Own your wins
- Define your legacy
- Leverage your success

Written by the CEO of a multimillion-dollar startup, *The Matriarch Rules* provides you with guidelines that empower you to find personal success and growth in being the compassionate, powerful, and forward-thinking woman you are.

OCTOBER 2019 176PP

978-1-119-57274-9 CL \$30.00 (Japan)

Business & Society

Dynamic Digital Marketing

Achieve Your Digital Marketing Goals and Maximise Your Profits to Grow Your Business

DAWN MCGRUER

Work to live or live to work? On average, we spend a third of our lives at work - 90,000 hours, to be exact - yet many of us still struggle to meet our personal goals and achieve financial success. Not anymore! Now you can turn your passion into profit with insights from thought leader, author, public speaker and award-winning Digital Marketing expert, Dawn McGruer.

Dynamic Digital Marketing offers readers the ability to increase their online visibility and presence by using the author's 8 Step 'AWARD WINNING' digital marketing framework. Digital Marketing is at the hub of any business, and this book aims to help you and your business:

- Overcome obstacles and challenges related to marketing and online visibility and presence
- Reach your audience, and attract your target market
- Generate leads which turn into profitable customers
- Equip you with all the skills and knowledge you need to navigate the digital marketing age

OCTOBER 2019 224PP

978-1-119-63588-8 CL \$32.50 (Japan)

Marketing & Sales

They Ask, You Answer

A Revolutionary Approach to Inbound Sales, Content Marketing, and Today's Digital Consumer, Revised & Updated 2nd Edition

MARCUS SHERIDAN

In today's digital age, the traditional sales funnel--marketing at the top, sales in the middle, customer service at the bottom--is no longer effective. To be successful, businesses must obsess over the questions, concerns, and problems their buyers have, and address them as honestly and as thoroughly as possible. Every day, buyers turn to search engines to ask billions of questions. Having the answers they need can attract thousands of potential buyers to your company--but only if your content strategy puts your answers at the top of those search results. It's a simple and powerful equation that produces growth and success: They Ask, You Answer.

Using these principles, author Marcus Sheridan led his struggling pool company from the bleak depths of the housing crash of 2008 to become one of the largest pool installers in the United States. Discover how his proven strategy can work for your business and master the principles of inbound and content marketing that have empowered thousands of companies to achieve exceptional growth.

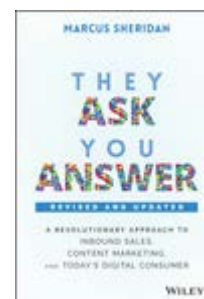
Upon reading this book, you will know:

- How to build trust with buyers through content and video.
- How to turn your web presence into a magnet for qualified buyers.
- What works and what doesn't through new case studies, featuring real-world results from companies that have embraced these principles.
- Why you need to think of your business as a media company, instead of relying on more traditional (and ineffective) ways of advertising and marketing.
- How to achieve buy-in at your company and truly embrace a culture of content and video.
- How to transform your current customer base into loyal brand advocates for your company.

OCTOBER 2019 320PP

978-1-119-61014-4 CL \$25.00 (Japan)

Strategic Marketing



Nonprofit Management 101

A Complete and Practical Guide for Leaders and Professionals

2nd Edition

DARIAN RODRIGUEZ HEYMAN & LAYLA BRENNER

This intensely practical, comprehensive guidebook is for both leaders new to the nonprofit sector looking for a quick primer on all the issues that matter, as well as established veterans looking to understand how all the pieces fit together. Showcasing practical tips and takeaways, this how-to manual and resource guide provides easy to implement solutions for organizations seeking to expand impact and meet mission. Seasoned veterans including Van Jones, Fair Trade founder Paul Rice, Lynne Twist, Kay Sprinkel Grace, Joan Garry, and more share knowledge and useful insights on all aspects of nonprofit management, including:

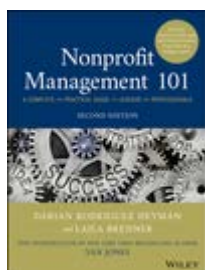
- Fundraising from individuals, companies, and foundations
- Online fundraising, social networking, and effective use of technology
- Marketing, public relations, and events
- Board and volunteer engagement
- Human resources and career planning
- Lobbying and advocacy
- Legal and financial management
- Leadership and strategic planning

This is essential reading for anyone in the nonprofit sector looking for the latest information in the field.

OCTOBER 2019 576PP

978-1-119-58545-9 PB \$35.00 (Japan)

Non-Profit Organizations



Checklists and Illustrative Financial Statements

Not-for-Profit Entities, 2019

AICPA

Financial statement preparation for not-for-profit entities can be complex. Whether you are preparing or auditing them, you'll find the tools you need in this helpful resource.

This checklist contains the most comprehensive financial reporting and disclosure guidance available, plus a complete set of illustrative financial statements to assist you in understanding and applying standards like ASU 2016-14, 2018-08, and 2014-09.

Key features include:

- Designed to assist auditors and preparers in overcoming the complexities of financial statement preparation for not-for-profit entities.

SERIES: AICPA

OCTOBER 2019 240PP

978-1-948306-94-2 PB \$89.00 (Japan)

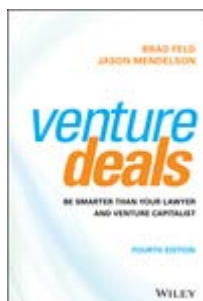
Non-Profit Organizations / Finance & Accounting

Venture Deals

Be Smarter Than Your Lawyer and Venture Capitalist
4th Edition

BRAD FELD & JASON MENDELSON

How do venture capital deals come together? This is one of the most frequent questions asked by each generation of new entrepreneurs. Surprisingly, there is little reliable information on the subject. No one understands this better than Brad Feld and Jason Mendelson. The founders and driving force behind the Foundry Group--a venture capital firm focused on investing in early-stage information technology companies--Brad and Jason have been involved in hundreds of



venture capital financings. Their investments range from small startups to large Series A venture financing rounds. The new edition of *Venture Deals* continues to show fledgling entrepreneurs the inner-workings of the VC process, from the venture capital term sheet and effective negotiating strategies to the initial seed and the later stages of development.

Fully updated to reflect the intricacies of startups and entrepreneurship in today's dynamic economic environment, this new edition includes revisions and updates to coverage on negotiating, gender issues, ICO's, and economic terms. New chapters examine legal and procedural considerations relevant to fundraising, bank debt, equity and convertible debt, how to hire an investment banker to sell a company, and more.

- Provides valuable, real-world insights into venture capital structure and strategy
- Explains and clarifies the VC term sheet and other misunderstood aspects of capital funding
- Helps to build collaborative and supportive relationships between entrepreneurs and investors
- Draws from the author's years of practical experience in the VC arena
- Includes extensively revised and updated content throughout to increase readability and currency

OCTOBER 2019 368PP

978-1-119-59482-6 CL \$49.95 (Japan)

Small Business & Entrepreneurship

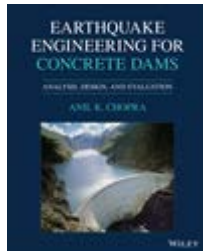
土木工学

Earthquake Engineering for Concrete Dams

Analysis, Design, and Evaluation

ANIL K. CHOPRA

Earthquake analysis and design of concrete dams has progressed from static force methods based on seismic coefficients to modern procedures that are based on the dynamics of dam--water--foundation systems. Earthquake Engineering for Concrete Dams offers a comprehensive, integrated view of this progress over the last fifty years. The book offers an understanding of the limitations of the various methods of dynamic analysis used in practice and develops modern methods that overcome these limitations.



This important book:

- Develops procedures for dynamic analysis of two-dimensional and three-dimensional models of concrete dams
- Identifies system parameters that influence their response
- Demonstrates the effects of dam--water--foundation interaction on earthquake response
- Identifies factors that must be included in earthquake analysis of concrete dams
- Examines design earthquakes as defined by various regulatory bodies and organizations
- Presents modern methods for establishing design spectra and selecting ground motions
- Illustrates application of dynamic analysis procedures to the design of new dams and safety evaluation of existing dams.

Written for graduate students, researchers, and professional engineers, Earthquake Engineering for Concrete Dams offers a comprehensive view of the current procedures and methods for seismic analysis, design, and safety evaluation of concrete dams.

OCTOBER 2019 448PP

978-1-119-05603-4 CL \$150.00 (Japan)

Structures

SEPTEMBER 2019

978-1-119-05610-2 [Wiley Online Library](#)

Evaluating Contract Claims

3rd Edition

JOHN MULLEN & PETER DAVISON
Driver Consult Ltd

The substantially expanded third edition of Evaluating Contract Claims puts the spotlight on the quantification of claims in the construction industry after liability has been established, including by reference to the terms of several standard forms of contract in common use. The authors clearly demonstrate the potential alternative approaches to quantification, the processes, principles and standard of analysis required to produce acceptable claims for additional payment. The third edition covers a number of heads claims not considered in previous editions and offers an important guide for those working with building or engineering contracts.



Evaluating Contract Claims explains in detail how the base from which evaluation of additional payments may be established, the effect of changes on the programme of work and the sources of information for evaluation of additional payments. The book also contains information for evaluating the direct consequences of change in terms of the impact on unit rates, and evaluating of the time consequences of change in terms of prolongation, disruption, acceleration and more. This important book:

- Concentrates on the quantification of contract claims after liability has been established
- Offers a guide that is appropriate for any form of contract
- Considers the potential alternative approaches to quantification of different heads of claim
- Contains the principles and methods that should be reflected in the evaluation of claim quantum
- Includes the standard of substantiation which may be required
- Presents information that is equally applicable in both building and engineering disputes
- Is substantially expanded from its previous editions

OCTOBER 2019 352PP

978-1-118-91814-2 CL \$130.00 (Japan)

Construction law

OCTOBER 2019

978-1-118-91812-8 [Wiley Online Library](#)

Railway Information Modeling RIM

Track to Rail Modernization

MOUNIR BENSALAH, ABDELMAJID ELOUADI & HASSAN MHARZI

OCTOBER 2019 164PP

978-1-78630-387-5 CL \$120.00 (Japan)

Transportation Engineering

Mathematics for Enzyme Reaction Kinetics and Reactor Performance, 2Volume Set

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
OCTOBER 2019 1152PP

978-1-119-49028-9 CL \$350.00 (Japan)

General & Introductory Chemical Engineering

OCTOBER 2019

978-1-119-49031-9 **Wiley Online Library**

Principles and Practices of Automatic Process Control 4th Edition

CARLOS A. SMITH & ARMANDO B. CORRIPIO
University of South Florida; Louisiana State University

OCTOBER 2019 UnknownPP

978-0-470-50480-2 CL \$128.95 (Japan)

General & Introductory Chemical Engineering

TEXT

化学

HPLC and UHPLC for Practicing Scientists**2nd Edition**

研究者のためのHPLC・UHPLC 第2版

MICHAEL W. DONG

Synomics Pharma, Wareham, Massachusetts

Written for practitioners by an expert practitioner, this new edition of HPLC and UHPLC for Practicing Scientists adds numerous updates to its coverage of high-performance liquid chromatography, including comprehensive information on UHPLC (ultra-high-pressure liquid chromatography) and the continuing migration of HPLC to UHPLC, the modern standard platform. In addition to introducing readers to HPLC's fundamentals, applications, and developments, the book describes basic theory and terminology for the novice, and reviews relevant concepts, best practices, and modern trends for the experienced practitioner.



Offers three new chapters. One is a standalone chapter on UHPLC, covering concepts, benefits, practices, and potential issues. Another examines liquid chromatography/mass spectrometry (LC/MS). The third reviews the analysis of recombinant biologics, particularly monoclonal antibodies (mAbs), used as therapeutics. While all chapters are revised in the new edition, five chapters are essentially rewritten (HPLC columns, instrumentation, pharmaceutical analysis, method development, and regulatory aspects). The book also includes problem and answer sections at the end of each chapter.

- Overviews fundamentals of HPLC to UHPLC, including theories, columns, and instruments with an abundance of tables, figures, and key references
- Features brand new chapters on UHPLC, LC/MS, and analysis of recombinant biologics
- Presents updated information on the best practices in method development, validation, operation, troubleshooting, and maintaining regulatory compliance for both HPLC and UHPLC
- Contains major revisions to all chapters of the first edition and substantial rewrites of chapters on HPLC columns, instrumentation, pharmaceutical analysis, method development, and regulatory aspects
- Includes end-of-chapter quizzes as assessment and learning aids
- Offers a reference guide to graduate students and practicing scientists in pharmaceutical, biotechnology, and other industries

OCTOBER 2019 384PP

978-1-119-31376-2 PB \$99.95 (Japan)*Analytical Chemistry*

JULY 2019

978-1-119-31378-6 **Wiley Online Library****Chemistry of Environmental Systems****Fundamental Principles and Analytical Methods**

環境システムの化学 — 基礎理論と分析手法

JEFFREY S. GAFFNEY & NANCY A. MARLEY

Chemistry of Environmental Systems: Fundamental Principles and Analytical Methods offers a comprehensive and authoritative review of modern environmental chemistry, discussing the chemistry and interconnections between the atmosphere, hydrosphere, geosphere and biosphere. Written by internationally recognized experts, the textbook explores the chemistries of the natural environmental systems and demonstrates how these chemical processes change when anthropogenic emissions are introduced into the whole earth system.



This important text:

- Combines the key areas of environmental chemistry needed to understand the sources, fates, and impacts of contaminants in the environment
- Describes a range of environmental analytical methodologies
- Explores the basic environmental effects of energy sources, including nuclear energy
- Encourages a proactive approach to environmental chemistry, with a focus on preventing future environmental problems
- Includes study questions at the end of each chapter

Written for students of environmental chemistry, environmental science, environmental engineering, geoscience, earth and atmospheric sciences, Chemistry of Environmental Systems: Fundamental Principles and Analytical Methods covers the key aspects and mechanisms of currently identified environmental issues, which can be used to address both current and future environmental problems.

OCTOBER 2019 624PP

978-1-119-31340-3 CL \$105.00 (Japan)*Environmental Chemistry*

Phosphorus Pollution Control Policies and Strategies

リン汚染の管理 – 政策と戦略

ALEKSANDRA DRIZO

Deterioration and decline of water resources due to pollution caused by humans and their activities has become a universal health, environmental, social and economic problem. Excess discharges of nutrients, in particular, phosphorus, has been recognized as the most prevalent water pollution problem globally. Moreover, its perpetual occurrence and expansion creates imminent threats to water and food security.



Despite extensive research during the past 100 years, many key questions in eutrophication science remain unanswered. This book summarizes the most recent policies and strategies for phosphorus removal and recovery from municipal, residential and agricultural wastewater effluents and runoff into a concise and up-to-date volume. The book will be of interest to environmental and water resources scientists and engineers, consultants, policy makers, and practitioners working in the field.

SERIES: ANALYTICAL METHODS IN EARTH AND ENVIRONMENTAL SCIENCE

OCTOBER 2019 176PP

978-1-118-82542-6 CL \$130.00 (Japan)

Environmental Chemistry

SEPTEMBER 2019

978-1-118-82551-8 [Wiley Online Library](#)

Industrial Carbon and Graphite Materials

Raw Materials, Production and Applications

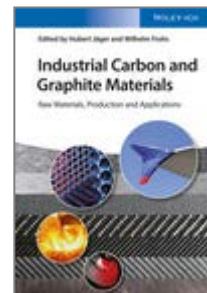
産業における炭素・グラファイト材料 – 原料、生産、応用

Editor WILHELM FROHS & Editor HUBERT JAEGER

An excellent overview of industrial carbon and graphite materials, especially their manufacture, use and applications in industry.

Following a short introduction, the main part of this reference deals with industrial forms, their raw materials, properties and manifold applications. Featuring chapters on carbon and graphite materials in energy application, and as catalysts. It covers all important classes of carbon and graphite, from polygranular materials to fullerenes, and from activated carbon to carbon blacks and nanoforms of carbon.

Indispensable for chemists and engineers working in such fields as steel, aluminum, electrochemistry, nanotechnology, catalyst, carbon fibres and lightweight composites.



OCTOBER 2019 1016PP

978-3-527-33603-6 CL \$470.00 (Japan)

Industrial Chemistry

OCTOBER 2019

978-3-527-67404-6 [Wiley Online Library](#)

Cell Culture Engineering

Recombinant Protein Production

リコンビナントタンパク質生産のための細胞培養工学

Editor GYUN MIN LEE, Editor HELENE FAUSTRUP

KILDEGAARD, Series Editor SANG YUP LEE, Series Editor JENS NIELSEN & Series Editor GREGORY STEPHANOPOULOS
KAIST, Daejeon, Republic Korea; Center for Microbial Biotechnology;
Massachusetts Institute of Technology, USA

In Cell Culture Engineering: Recombinant Protein Production, editors Gyun Min Lee and Helene Fastrup Kildegaard assemble top class authors to present expert coverage of topics such as: cell line development for therapeutic protein production; development of a transient gene expression upstream platform; and CHO synthetic biology. They provide readers with everything they need to know about enhancing product and bioprocess attributes using genome-scale models of CHO metabolism; omics data and mammalian systems biotechnology; perfusion culture; and much more.

This all-new, up-to-date reference covers all of the important aspects of cell culture engineering, including cell engineering, system biology approaches, and processing technology. It describes the challenges in cell line development and cell engineering, e.g. via gene editing tools like CRISPR/Cas9 and with the aim to engineer glycosylation patterns. Furthermore, it gives an overview about synthetic biology approaches applied to cell culture engineering and elaborates the use of CHO cells as common cell line for protein production. In addition, the book discusses the most important aspects of production processes, including cell culture media, batch, fed-batch, and perfusion processes as well as process analytical technology, quality by design, and scale down models.

- Covers key elements of cell culture engineering applied to the production of recombinant proteins for therapeutic use
- Focuses on mammalian and animal cells to help highlight synthetic and systems biology approaches to cell culture engineering, exemplified by the widely used CHO cell line
- Part of the renowned "Advanced Biotechnology" book series

Cell Culture Engineering: Recombinant Protein Production will appeal to biotechnologists, bioengineers, life scientists, chemical engineers, and PhD students in the life sciences.

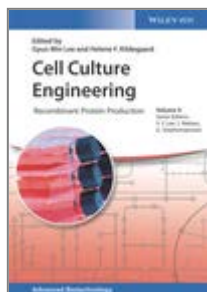
SERIES: ADVANCED BIOTECHNOLOGY
OCTOBER 2019 400PP

978-3-527-34334-8 CL \$205.00 (Japan)

Biotechnology (Chemistry)

OCTOBER 2019

978-3-527-81141-0 **Wiley Online Library**



Industrial Microbiology

工業微生物学

Editor DAVID B WILSON, Editor HERMANN SAHM, Editor K. PETER STAHMANN & Editor MATTHEOS KOFFAS

Focusing on current and future uses of microbes as production organisms, this practice-oriented textbook complements traditional texts on microbiology and biotechnology.

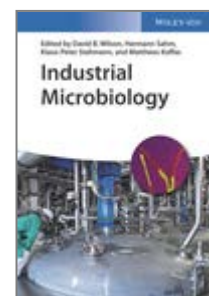
The editors have brought together leading researchers and professionals from the entire field of industrial microbiology and together they adopt a modern approach to a well-known subject. Following a brief introduction to the technology of microbial processes, the twelve most important application areas for microbial technology are described, from crude bulk chemicals to such highly refined biomolecules as enzymes and antibodies, to the use of microbes in the leaching of minerals and for the treatment of municipal and industrial waste. In line with their application-oriented topic, the authors focus on the "translation" of basic research into industrial processes and cite numerous successful examples. The result is a first-hand account of the state of the industry and the future potential for microbes in industrial processes.

Interested students of biotechnology, bioengineering, microbiology and related disciplines will find this a highly useful and much consulted companion, while instructors can use the case studies and examples to add value to their teaching.

NOVEMBER 2019 424PP

978-3-527-34035-4 PB \$69.90 (Japan)

Biotechnology (Chemistry)



Cosmetic Creams

Development and Formulation of Effective Skin Care Products

化粧品用クリーム — 効果的なスキンケア商品の開発と製法

WILFRIED RAHSE

Dusseldorf, Germany

The book comprehensively deals with all aspects of skin cream production, from selection of raw ingredients to proof of performance and industrial production, including regulatory issues.

OCTOBER 2019 504PP

978-3-527-34398-0 CL \$215.00 (Japan)

Flavor, Perfume & Cosmetic Science



OCTOBER 2019

978-3-527-81221-9 **Wiley Online Library**

Risk Assessment

Tools, Techniques, and Their Applications
2nd Edition

リスクアセスメント – ツールと技術、およびそれらの
応用法 第2版

LEE T. OSTROM & CHERYL A. WILHELMSSEN

Since the first edition of the book was published there have been several changes in the types of risk individuals, businesses, and governments are being exposed to. Cyber-attacks are more frequent and costly and lone-wolf style terrorist attacks are more common; events not addressed in the first edition. The book continues to provide a resource that leads the reader through a risk assessment and shows them the proper tools to be used at the various steps in the process. This book also provides students studying safety and risk assessment a resource that assists them in understanding the various risk assessment tools and presents readers with a toolbox of techniques that can be used to aid them in analyzing conceptual designs, completed designs, procedures and operational risk. On top of the ten new chapters the new edition also includes expanded case studies and real-life examples; coverage on risk assessment software like SAPPHIRE and RAVEN; and end-of-chapter questions for students with a solutions manual for academic adopters. The approach to the book remains the same and is analogous to a toolkit. The user locates the tool that best fits the risk assessment task they are performing. The chapters of the book progress from the concept of risk, through the simple risk assessment techniques, and into the more complex techniques. In addition to discussing the techniques, this book presents them in a form that the readers can readily adapt to their particular situation. Each chapter, where applicable, presents the technique discussed in that chapter and demonstrates how it is used.



OCTOBER 2019 552PP

978-1-119-48346-5 CL \$140.00 (Japan)

Chemical and Environmental Health and Safety

AUGUST 2019

978-1-119-48334-2 [Wiley Online Library](#)

Chemical Biology of Neurodegeneration

A Molecular Approach

神経変性のケミカルバイオロジー – 分子からの
アプローチ

PEDRO MERINO

Written by an experienced neurochemist, this book focuses on the main actors involved in neurodegenerative disorders at a molecular level, and places special emphasis on structural aspects and modes of action. Drawing on recent data on enzyme structure, mode of action, and inhibitor design, it describes from a biochemical point of view the six most important neurotransmitter systems and their constituent enzymes and receptors. Misfolding and aggregation of proteins within the brain is also covered. In addition, the book surveys a wide range of proven and prospective therapeutic agents that modulate key processes in the brain, from their chemical synthesis to their mode of action in model systems as well as in the patient.

Chemical Biology of Neurodegeneration: A Molecular Approach is presented in two parts. The first introduces the neurotransmitter systems and provides a general explanation of the synapse and a description of the main structures involved in neurotransmission that can be considered therapeutic targets for disorders of the central nervous system. The second part presents molecular and chemical aspects directly involved or affected in neurodegeneration, including the metabolism of neurotransmitters, enzymes processing neurotransmitters, protein misfolding, and therapeutic agents.

- Uses an interdisciplinary approach to bridge the gap between the basic biochemical events in a nerve cell and their neurological effects on the brain
- Places emphasis on the chemistry of small molecule modulators that are potential lead molecules for new drugs
- Covers six key neurotransmitter systems and their enzymes and receptors: dopaminergic, noradrenergic, serotonergic, cholinergic, GABAergic, and glutamatergic

Chemical Biology of Neurodegeneration: A Molecular Approach is a key resource for medicinal chemists, neurobiologists, neurochemists, biochemists, molecular biologists, and neurophysiologists.

OCTOBER 2019 392PP

978-3-527-34424-6 CL \$205.00 (Japan)

Pharmaceutical & Medicinal Chemistry

OCTOBER 2019

978-3-527-81342-1 [Wiley Online Library](#)

Single-Use Technology in Biopharmaceutical Manufacture

2nd Edition

バイオ医薬品製造における使い捨て器具の活用技術

第2版

REGINE EIBL & DIETER EIBL

The revised and updated second edition of Single-Use Technology in Biopharmaceutical Manufacture offers a comprehensive examination of the most commonly used disposables in the manufacture of biopharmaceuticals. The authors--noted experts on the topic--provide the essential information on the principles, characteristics, engineering aspects, economics, and applications.

This authoritative guide contains the basic knowledge and information about disposable equipment. The author also discusses biopharmaceuticals' applications through the lens of case studies that clearly illustrate the role of manufacturing, quality assurance, and environmental influences. This updated second edition revises existing information with recent developments that have taken place since the first edition was published. The book also presents the latest advances in the field of single-use technology and explores topics including applying single-use devices for microorganisms, human mesenchymal stem cells, and T-cells. This important book:

- Contains an updated and end-to-end view of the development and manufacturing of single-use biologics
- Helps in the identification of appropriate disposables and relevant vendors
- Offers illustrative case studies that examine manufacturing, quality assurance, and environmental influences
- Includes updated coverage on cross-functional/transversal dependencies, significant improvements made by suppliers, and the successful application of the single-use technologies

Written for biopharmaceutical manufacturers, process developers, and biological and chemical engineers, Single-Use Technology in Biopharmaceutical Manufacture, 2nd Edition provides the information needed for professionals to come to an easier decision for or against disposable alternatives and to choose the appropriate system.

OCTOBER 2019 400PP

978-1-119-47783-9 CL \$185.00 (Japan)

Drug Discovery & Development

AUGUST 2019

978-1-119-47789-1 **Wiley Online Library**



Synthesis of Inorganic Materials

無機材料合成法

ULRICH S. SCHUBERT & NICOLA HUSING

Eindhoven University of Technology, The Netherlands

Written from the chemist's point of view, this newly updated and completely revised fourth edition of Synthesis of Inorganic Materials provides a thorough and pedagogical introduction to the exciting and fast developing field of inorganic materials and features all of the latest developments. New to this edition is a chapter on self-assembly and self-organization, as well as all-new content on: demixing of glasses, non-classical crystallization, precursor chemistry, citrate-gel and Pechini liquid mix methods, ice-templating, and materials with hierarchical porosity.

Synthesis of Inorganic Materials, 4th Edition features chapters covering: solid-state reactions; formation of solids from the gas phase; formation of solids from solutions and melts; preparation and modification of inorganic polymers; self-assembly and self-organization; templated materials; and nanostructured materials. There is also an extensive glossary to help bridge the gap between chemistry, solid state physics and materials science. In addition, a selection of books and review articles is provided at the end of each chapter as a starting point for more in-depth reading.

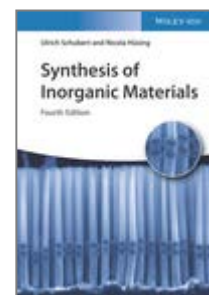
- Gives the students a thorough overview of the fundamentals and the wide variety of different inorganic materials with applications in research as well as in industry
- Every chapter is updated with new content
- Includes a completely new chapter covering self-assembly and self-organization
- Written by well-known and experienced authors who follow an intuitive and pedagogical approach

Synthesis of Inorganic Materials, 4th Edition is a valuable resource for advanced undergraduate students as well as masters and graduate students of inorganic chemistry and materials science.

OCTOBER 2019 440PP

978-3-527-34457-4 PB \$110.00 (Japan)

Inorganic Chemistry



Organic Reactions, Volume 99

有機化学反応 第99巻

Editor-in-Chief SCOTT E. DENMARK
University of Illinois, Urbana-Champaign

The 99th volume in this series for organic chemists in academia and industry presents critical discussions of widely used organic reactions or particular phases of a reaction. The material is treated from a preparative viewpoint, with emphasis on limitations, interfering influences, effects of structure and the selection of experimental techniques. The work includes tables that contain all possible examples of the reaction under consideration. Detailed procedures illustrate the significant modifications of each method



SERIES: ORGANIC REACTIONS
OCTOBER 2019 750PP

978-1-119-45662-9 CL \$295.00 (Japan)

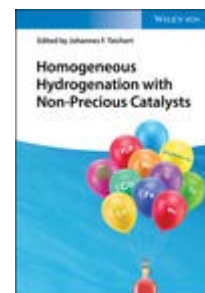
Organic Chemistry

Homogeneous Hydrogenation with Non-Precious Catalysts

卑金属触媒を用いた均一水素化反応

Editor JOHANNES F. TEICHERT

In recent years a great deal of research has been applied to homogeneous hydrogenation with non-precious catalysis. Homogeneous Hydrogenation with Non-Precious Catalysts offers a review of the latest developments and advances in the field. In addition, the book explores the transition metal catalysis and the concept of frustrated-lewis-pair (FLP) and enzymatic processes. The editor a noted expert on the topic discusses the various catalysts and puts the focus on the synthetic vantage point, highlighting the functional group transformation enabled by the respective catalyst.



Homogeneous Hydrogenation with Non-Precious Catalysts also presents the industrial view of the topic and includes an overview of the various catalysts by functional group transformations. This important book:

- Offers a comprehensive presentation of the newest development in this emerging field
- Highlights the transition metal catalysis, the frustrated-lewis-pair (FLP) concept, and enzymatic processes
- Provides an industrial perspective of the topic
- Includes an overview of the various catalysis by functional group transformations

Written for organic chemists, researchers in synthetic chemistry, and industry professionals, Homogeneous Hydrogenation with Non-Precious Catalysts offers a comprehensive and accessible guide to the most recent advances in the field.

OCTOBER 2019 296PP

978-3-527-34439-0 CL \$205.00 (Japan)

Methods - Synthesis & Techniques

OCTOBER 2019

978-3-527-81423-7 **Wiley Online Library**

Organosilicon Chemistry

Novel Approaches and Reactions

有機ケイ素科学 – 新しいアプローチと反応

TAMEJIRO HIYAMA & MARTIN OESTREICH

Institut für Organische Chemie

A must-have for all synthetic chemists, this book summarizes all of the important developments in the application of organosilicon compounds in organic synthesis and catalysis. Edited by two world leaders in the field, it describes different approaches and covers a broad range of reactions, e.g. catalytic generation of silicon nucleophiles, Si-H Bond activation, C-H bond silylation, silicon-based cross-coupling reactions, and hydrosilylation in the presence of earth-abundant metals.



In addition to the topics covered above, *Organosilicon Chemistry: Novel Approaches and Reactions* features chapters that look at Lewis base activation of silicon Lewis acids, silylenes as ligands in catalysis, and chiral silicon molecules.

- The first book about this topic in decades, covering a broad range of reactions
- Covers new approaches and novel catalyst systems that have been developed in recent years
- Written by well-known, international experts in the areas of organometallic silicon chemistry and organosilicon cross-coupling reactions

Organosilicon Chemistry: Novel Approaches and Reactions is an indispensable source of information for synthetic chemists in academia and industry, working in the field of organic synthesis, catalysis, and main-group chemistry.

OCTOBER 2019 504PP

978-3-527-34453-6 CL \$215.00 (Japan)

Methods - Synthesis & Techniques

OCTOBER 2019

978-3-527-81478-7 [Wiley Online Library](#)

Textiles and Clothing

Environmental Concerns and Solutions

織物と衣類 – 環境への懸念と解決策

MOHD SHABBIR

Greater emphasis needs to be placed on research into eco-friendly processes particularly suited for the textile industry. With this goal in mind, all environmental aspects relating to the textile and clothing industry are discussed in this book. Included in the 11 informative chapters herein are topics covering the correlation between the environment and the processing and utilization of textiles and clothing. Chapter 1 discusses the direct impact that the textile industry has on the environment. The hazardous environmental consequences that synthetic dyes used to color textiles have on the environment are highlighted in Chapter 2. Greener alternatives to dyeing are discussed in Chapters 3 through 5, and eco-friendly ways of finishing textiles are discussed in Chapters 6 and 7. Finally, solutions to address the environmental hazards associated with the textile industry are presented in Chapters 8 through 11.



OCTOBER 2019 342PP

978-1-119-52631-5 CL \$225.00 (Japan)

Sustainable Chemistry & Green Chemistry

JULY 2019

978-1-119-52659-9 [Wiley Online Library](#)

コンピューティング

CompTIA Linux + Certification Kit Exam XK0-004

CHRISTINE BRESNAHAN, Indianapolis,
RICHARD BLUM, Indianapolis &
STEVE SUEHRING



OCTOBER 2019 UnknownPP

978-1-119-63956-5 PB \$85.00

(Japan)

Operating Systems / Linux & UNIX

Energy-Efficient Computing and Data Centers

LUIGI BROCHARD

OCTOBER 2019 234PP

978-1-78630-185-7 CL \$125.00 (Japan)

Information Technologies

AUGUST 2019

978-1-119-42203-7 Wiley Online Library

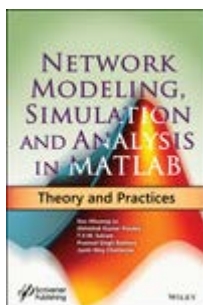
Network Modeling, Simulation and Analysis in MATLAB Theory and Practices

DAC-NHUONG LE, ABHISHEK KUMAR PANDEY, T.V.M. SAIRAM, PRAMOD SINGH RATHORE & JYOTIR MOY CHATTERJEE

The purpose of this book is first to study MATLAB programming concepts, then the basic concepts of modeling and simulation analysis, particularly focus on digital communication simulation. The book will cover the topics practically to describe network routing simulation using MATLAB tool. It will cover the dimensions' like Wireless network and WSN simulation using MATLAB, then depict the modeling and simulation of vehicles power network in detail along with considering different case studies

Key features of the book include:

- Discusses different basics and advanced methodology with their fundamental concepts of exploration and exploitation in NETWORK SIMULATION.
- Elaborates practice questions and simulations in MATLAB
- Student-friendly and Concise
- Useful for UG and PG level research scholar
- Aimed at Practical approach for network simulation with more programs with step by step comments.
- Based on the Latest technologies, coverage of wireless simulation and WSN concepts and implementations



OCTOBER 2019 376PP

978-1-119-63143-9 CL \$225.00 (Japan)

Networking

AUGUST 2019

978-1-119-63147-7 Wiley Online Library

Geographical Data Imperfection 1 From Theory to Applications

Editor MIREILLE BATTON-HUBERT, Editor FRANCOIS PINET & Editor ERIC DESJARDIN

Geographic data are modelled, analysed and used for decisions. These data are very often associated to imperfections (inaccuracy, incompleteness, ambiguity, etc.). This book will present the sources and the nature of geographical imperfections and methods to manage them. The theory will be presented and illustrated on examples. The book is intended for engineers, students, scientists who work with geographic data. The target readers consist of a broad community around geographic data, computer science, agronomy, geography, urban planning, and ecology, etc.

OCTOBER 2019 216PP

978-1-78630-297-7 CL \$145.00 (Japan)

Algorithms & Data Structures

Intelligent Pervasive Computing Systems for Smarter Healthcare

ARUN KUMAR SANGAIAH, S.P. SHANTHARAJAH & PADMA THEAGARAJAN

Intelligent Pervasive Computing Systems for Smarter Healthcare describes the innovations in healthcare made possible by computing through bio-sensors. The pervasive computing paradigm offers tremendous advantages in diversified areas of healthcare research and technology. The authors--noted experts in the field--provide the state-of-the-art intelligence paradigm that enables optimization of medical assessment for a healthy, authentic, safer, and more productive environment.



Today's computers are integrated through bio-sensors and generate a huge amount of information that can enhance our ability to process enormous bio-informatics data that can be transformed into meaningful medical knowledge and help with diagnosis, monitoring and tracking health issues, clinical decision making, early detection of infectious disease prevention, and rapid analysis of health hazards. The text examines a wealth of topics such as the design and development of pervasive healthcare technologies, data modeling and information management, wearable biosensors and their systems, and more. This important resource:

- Explores the recent trends and developments in computing through bio-sensors and its technological applications
- Contains a review of biosensors and sensor systems and networks for mobile health monitoring
- Offers an opportunity for readers to examine the concepts and future outlook of intelligence on healthcare systems incorporating biosensor applications
- Includes information on privacy and security issues on wireless body area network for remote healthcare monitoring

Written for scientists and application developers and professionals in related fields, Intelligent Pervasive Computing Systems for Smarter Healthcare is a guide to the most recent developments in intelligent computer systems that are applicable to the healthcare industry.

OCTOBER 2019 450PP

978-1-119-43896-0 CL \$135.00 (Japan)

Parallel and Distributed Computing

JULY 2019

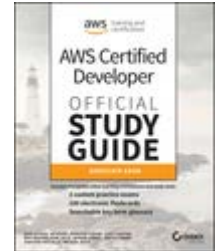
978-1-119-43900-4 Wiley Online Library

AWS Certified Developer Official Study Guide

Associate (DVA-C01) Exam

NICK ALTEEN, JENNIFER FISHER, CASEY GERENA, WES GRUVER, ASIM JALIS, HEIWAD OSMAN, MARIFE PAGAN, SANTOSH PATLOLLA & MICHAEL ROTH

The AWS Certified Developer Official Study Guide--Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS.



The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors.

- Study the AWS Certified Developer Exam objectives
- Gain expert insight on core AWS services and best practices
- Test your understanding of key concepts with challenging chapter questions
- Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more

Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed--and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide--Associate Exam is the resource you need to pass the exam with flying colors.

OCTOBER 2019 504PP

978-1-119-50819-9 PB \$60.00 (Japan)

Grid & Cloud Computing

SEPTEMBER 2019

978-1-119-54945-1 Wiley Online Library

Tribe of Hackers Red Team

Tribal Knowledge from the best in Offensive Cybersecurity

MARCUS J. CAREY & JENNIFER JIN

"Tribe of Hackers" is a collection of insights from dozens of the world's top security experts. In "Tribe of Hackers: Red Team" these experts address questions that hands-on security experts and security managers will make for their "red team" exercises around:

- How can someone gain red team skills without getting in trouble with the law?
- What has been effective at explaining the value of red teaming to a reluctant or non-technical client, or even to your own organization?
- What is the least bang-for-your-buck security control that you see implemented
- What's the most important or easiest-to-implement control that can prevent you from compromising a system or network? For example, how can we help small and medium businesses who have a smaller budget and staff?
- Describe the "team" aspect of red teaming. How do you work together to get the job done, including documentation, reporting, and working with the blue team afterwards?
- And much more



OCTOBER 2019 400PP

978-1-119-64332-6 PB \$25.00 (Japan)

Computer Security & Cryptography

AUGUST 2019

978-1-119-64335-7 Wiley Online Library

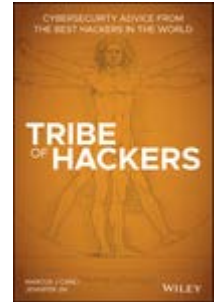
Tribe of Hackers

Cybersecurity Advice from the Best Hackers in the World

MARCUS J. CAREY & JENNIFER JIN

"Tribe of Hackers" is a collection of insights from dozens of the world's top security experts. Lesley Carhart, Ming Chow, Robert M. Lee, Davi Ottenheimer, Jayson E. Street, and many others contribute their answers to these questions and more:

- If there is one myth that you could debunk in cybersecurity, what would it be?
- How is it that cybersecurity spending is increasing but breaches are still happening?
- What is some practical cybersecurity advice you give to people at home in the age of social media and the Internet of Things?
- What is the biggest mistake you've ever made and how did you recover from it?



OCTOBER 2019 400PP

978-1-119-64337-1 PB \$25.00 (Japan)

Computer Security & Cryptography

AUGUST 2019

978-1-119-64339-5 Wiley Online Library

コミュニケーション

Data Selves

More-than-Human Perspectives

DEBORAH LUPTON

As people use self-tracking devices and other digital technologies, they generate increasing quantities of personal information online. These data have many benefits, but they can also be accessed and exploited by third parties.

In *Data Selves*, Deborah Lupton develops a fresh and intriguing perspective on how people make sense of and use their personal data, and what they know about others who use this information. Drawing on feminist new materialism theory and the anthropology of material culture, she acknowledges the importance of paying attention to practices, affects, sensory and other embodied experiences, as well as discourses, imaginaries and ideas in identifying the ways in which people make and enact data, and data make and enact people. Arguing that personal data are more-than-human phenomena, invested with diverse forms of vitalities, Lupton reveals significant implications for data futures, politics and ethics. Using rich examples from popular culture and empirical research, this book illustrates the power of data imaginaries, materializations and affects.

READERSHIP: Upper-year undergraduates and postgraduate students and academics interested in critical data studies, internet studies, platform studies, software studies, digital sociology, digital anthropology, cultural geography, media studies and cultural studies.

OCTOBER 2019 208PP

978-1-5095-3641-2 CL \$64.95 (Japan)*Media Studies*

OCTOBER 2019 80PP

978-1-5095-3642-9 PB \$22.95 (Japan)*Media Studies*

Feminist Media Studies

ALISON HARVEY

Feminist Media Studies investigates the core theories, methods, and approaches in a field that has blossomed over the past twenty-five years.

Alison Harvey provides an accessible introduction to classical and contemporary issues in media culture by exploring the past, present, and future of feminist media studies. She does this in the context of the various challenges that have arisen with changes in the media landscape, from new media technologies and globalized media systems to emergent inequalities, discourses, and practices. By engaging with research from a diverse body of scholarship, this book situates feminist media studies as vital to researching and analysing a range of timely and significant issues across disciplines.

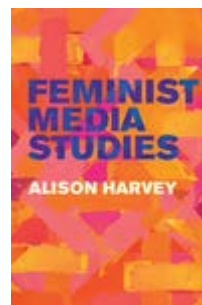
Taking a global, intersectional view of gendered practices in and around the media, *Feminist Media Studies* provides a framework for feminist critique and action. It is essential reading for students and scholars across a range of social science and humanities fields.

READERSHIP: Upper-year undergraduate and graduate students of media studies, communication studies, and cultural studies, as well as sociology and women's studies.

OCTOBER 2019 224PP

978-1-5095-2446-4 CL \$69.95 (Japan)*Media Studies*

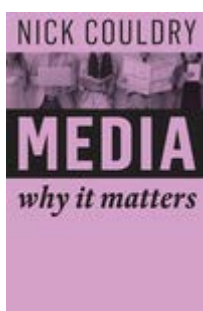
OCTOBER 2019 304PP

978-1-5095-2447-1 PB \$24.95 (Japan)*Media Studies*

Media Why It Matters

NICK COULDRY

From TV bulletins to social media newsfeeds, the media plays a massive role in shaping the world as we see it. In fact, different media have helped make possible our world of independent nations, binding together disparate communities through shared cultural touchstones, such as the press and national broadcasters. With the transfer of people's lives to the online world, the media has become crucial to almost every aspect of how human beings live. A new social order is being built through our relations with media, but what power over us does this give to corporations and governments?



Nick Couldry explains the significance of five core dimensions of media: representing, connecting, imagining, sharing and governing. He shows that understanding these dynamics is a vital skill that every person needs in the digital age, when the fate of our political worlds and social environment may rest on how we communicate with each other.

READERSHIP: A level students interested in media studies, educators and academics working in this area, activists interested in the political role of media, and the general reader interested in university reform.

SERIES: WHY IT MATTERS

OCTOBER 2019 140PP

978-1-5095-1514-1 CL \$45.00 (Japan)

Media Studies

OCTOBER 2019 164PP

978-1-5095-1515-8 PB \$12.95 (Japan)

Media Studies

The Ritual Institution of Society Traces

PASCALLARDELLIER

OCTOBER 2019 212PP

978-1-78630-314-1 CL \$135.00 (Japan)

New Media

AUGUST 2019

978-1-119-50878-6 [Wiley Online Library](#)

The Communication Manifesto

SILVIO WAISBORD

George Washington University, USA

Contemporary societies demand clear-minded, evidence-based ideas to address complex social issues. Communication scholarship has a rich trove of knowledge and experiences to help address such problems.

In this passionately argued manifesto, Silvio Waisbord examines public scholarship in communication studies and its potential for contributing to the common good. He discusses the various ways scholars seek to serve the public as practitioners, experts, advocates, activists and critics, and underscores their significant contribution which has not, to date, been properly supported or recognized. Only by tackling academic institutional politics, he argues, will it be possible to strengthen public scholarship as central to the mission of communication studies.



READERSHIP: Graduate students and communication scholars interested in understanding the options, obstacles, and courses of action for public-oriented, socially-engaged scholarship. The book could be assigned in graduate classes in communication/media studies, such as Introduction, Theory, and History

OCTOBER 2019 112PP

978-1-5095-3219-3 CL \$45.00 (Japan)

Communication Studies

OCTOBER 2019 112PP

978-1-5095-3220-9 PB \$12.95 (Japan)

Communication Studies

Use Your Difference to Make a Difference

How to Connect and Communicate in a Cross-Cultural World

TAYO ROCKSON

Recent years have seen dramatic changes to several institutions worldwide. Our increasingly interconnected, digitized, and globalized world presents immense opportunities and unique challenges. Modern businesses and schools interact with individuals and organizations from a diverse range of cultural and national backgrounds--increasing the likelihood for miscommunication, errors in strategy, and unintended consequences in the process.



This innovative and timely guide illustrates how to leverage differences to move beyond unconscious biases, manage a culturally-diverse workplace, create an environment for more tolerant schooling environments, more trusted media, communicate across borders, find and retain diverse talent, and bridge the gap between working locally and expanding globally. Expert guidance on a comprehensive range of topics--teamwork, leadership styles, information sharing, delegation, supervision, giving and receiving feedback, coaching and motivation, recruiting, managing suppliers and customers, and more--helps you manage the essential aspects of international relationships and cultural awareness. This valuable resource contains the indispensable knowledge required to:

- Develop self-awareness needed to be a cross-cultural communicator
- Develop content, messaging techniques, marketing plans, and business strategies that translate across cultural borders
- Help your employees to better understand and collaborate with clients and colleagues from different backgrounds
- Help teachers build safe environments for students to be themselves
- Strengthen cross-cultural competencies in yourself, your team, and your entire organization
- Understand the cultural, economic, and political factors surrounding our world

OCTOBER 2019 240PP

978-1-119-59069-9 CL \$28.00 (Japan)

Cultural Communication

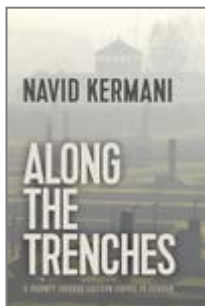
文化研究

Along the Trenches

A Journey through Eastern Europe to Isfahan

NAVID KERMANI & Translator TONY CRAWFORD

Between Germany and Russia is a region strewn with monuments to the horrors of war, genocide and disaster – the bloodlands where the murderous regimes of Hitler and Stalin unleashed the violence that scarred the twentieth century and shaped so much of the world we know today. In September 2016 the German-Iranian writer Navid Kermani set out to discover this land and to travel along the trenches that are now re-emerging in Europe, from his home in Cologne through eastern Germany to the Baltics, and from there south to the Caucasus and to Isfahan in Iran, the home of his parents.



Along the way he meets the citizens of Schwerin, in north-eastern Germany, who have gathered in a restaurant for coffee and cake at the invitation of the Alternative für Deutschland, the far-right anti-immigration party, and listens to them talking about their fears of becoming losers in their own country, their interests overlooked while their government gives priority to helping refugees and asylum seekers among others; he travels to Paneriai, 10 kilometers from the centre of Vilnius in what is now Lithuania, where, in June 1941, thousands of Jews were rounded up by the SS and Lithuanian volunteer units, taken into the woods and shot; he drives through the lands around Chernobyl where hundreds of towns and villages once stood, with their schools and shops and community centres, and now only a handful of people remain, their houses torn down when they die.

This beautifully written travel diary, enlivened by conversations with the people Kermani meets along the way, brings to life the tragic history of these troubled lands and shows how this history leaves its traces in the present.

READERSHIP: General readership interested in global politics, the Middle East and travel.

OCTOBER 2019 400PP

978-1-5095-3556-9 CL \$69.95 (Japan)

Cultural Studies General

OCTOBER 2019 256PP

978-1-5095-3557-6 PB \$26.95 (Japan)

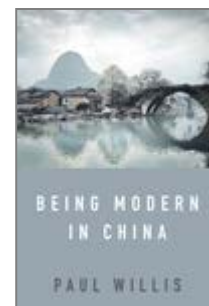
Cultural Studies General

Being Modern in China

A Western Cultural Analysis of Modernity, Tradition and Schooling in China Today

PAUL WILLIS

This book analyses modernity and tradition in China today and how they combine in striking ways in the Chinese school. Paul Willis – the leading ethnographer and author of *Learning to Labour* – shows how China has undergone an internal migration not only of masses of workers but also of a mental and ideological kind to a new cultural landscape of meaning characterized by the worship of the glorified city, devotion to consumerism and fixation with the smartphone and the internet.



Massive educational expansion has been a precondition for explosive economic growth and technical development, but at the same time it provides sites where the new meets the old in the experiences, practices and developing self-identities of students and future generations of workers and citizens. In the closed walls of the school and the inescapability of its 'scores', an astonishing drama plays out between the new and the old with a tapestry of intricate human meanings woven of small tragedies and triumphs, secret promises and felt betrayals, helping to produce not only exam results but cultural orientations and occupational destinies. Willis presents the human stories, the everyday human habitations and facilitations of how vast change comes about in local registers and feelings. The conformists and educational achievers have a particular way of relating to modernity that involves duty, delay and sacrifice – perhaps without end. Those failing or rebelling in school find their own more immediate ways of relating to modernity but it is a different and more brutal kind of modernity, arrived at with apparent enthusiasm but great cost.

By exploring the cultural dimension of everyday experience as it is lived out in the school, this book sheds new light on the enormous transformations that have swept through China and created the kind of society that it is today, a society that is obsessed with the future and at the same time structured by and in continuous dialogue with its past.

READERSHIP: Students and scholars in media and cultural studies, sociology, and education; students and scholars of contemporary China; and general readers interested in contemporary China.

OCTOBER 2019 240PP

978-1-5095-3830-0 CL \$69.95 (Japan)

Cultural Studies General

OCTOBER 2019 240PP

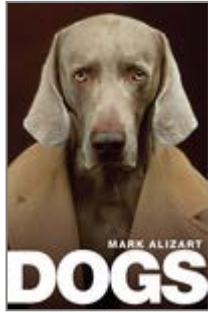
978-1-5095-3831-7 PB \$24.95 (Japan)

Cultural Studies General

Dogs

MARK ALIZART

Man's best friend, domesticated since prehistoric times, a travelling companion for explorers and artists, thinkers and walkers, equally happy curled up by the fire and bounding through the great outdoors—dogs matter to us because we love them. But is that all there is to the canine's good-natured voracity and affectionate dependency?



Mark Alizart dispenses with the well-worn clichés concerning dogs and their masters, seeing them not as submissive pets but rather as unexpected life coaches, ready to teach us the elusive recipes for contentment and joy. Dogs have faced their fate in life with a certain detachment that is not easy to understand. Unlike other animals in a similar situation, they have not become hardened, nor have they let themselves die a little inside. On the contrary, they seem to have softened. This book is devoted to understanding this miracle, the miracle of the joy of dogs – to understanding it and, if at all possible, to learning how it's done.

Weaving elegantly and eruditely between historical myth and pop-culture anecdote, between the peculiar views of philosophers and the even more bizarre findings of science, Alizart offers us a surprising new portrait of the dog as thinker—a thinker who may perhaps know the true secret of our humanity.

READERSHIP: This book should have a broad general appeal to dog owners and dog lovers everywhere, particularly those with an interest in philosophy.

OCTOBER 2019 120PP

978-1-5095-3728-0 CL \$16.95 (Japan)

Cultural Studies General

The Haitian Revolution Capitalism, Slavery and Counter-Modernity

EDUARDO GRÜNER & Translator RAMSEY MCGLAZER

It is impossible to understand capitalism without analyzing slavery, an institution that tied together three world regions: Europe, the Americas, and Africa. The exploitation of slave labor led to a form of proto-globalization in which violence was indispensable to the production of wealth. Slavery also gave rise to a culture centered on the maximization of profit, one that disregarded the exploited slave laborers, who were not considered human beings but turned into mere things owned by masters who would also own the slaves' descendants.

Against the background of this expanding circulation of capital and slave labor, the first revolution in Latin America took place: the Haitian Revolution, which began in 1791 and culminated with Haiti's declaration of independence in 1804. In addition to being the first, this revolution was also the most radical and original, and perhaps for this very reason the most forcefully repressed. Taking the Haitian Revolution as a paradigmatic case, Gruner shows that modernity is not a linear evolution from the center to the periphery but rather a co-production developed in the context of highly unequal power relations where extreme forms of conquest and exploitation were an essential part of capital accumulation. He also shows that the Haitian Revolution opened up a path to a different kind of modernity, a 'counter-modernity,' a path on which Latin America and the Caribbean have travelled ever since.

A classic work of critical theory from a Latin American perspective, this book will be of great interest to students and scholars of critical and cultural theory and of Latin American history as well as anyone concerned with the nature and global impact of capitalism, colonialism and race.

READERSHIP: Students and scholars of critical and cultural theory and of Latin American history as well as anyone concerned with the nature and global impact of capitalism, colonialism and race.

SERIES: CRITICAL SOUTH

OCTOBER 2019 256PP

978-1-5095-3547-7 CL \$69.95 (Japan)

Latino American Studies

OCTOBER 2019 240PP

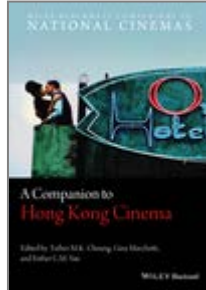
978-1-5095-3548-4 PB \$24.95 (Japan)

Latino American Studies

A Companion to Hong Kong Cinema

Editor ESTHER M. K. CHEUNG, Editor GINA MARCHETTI &
Editor ESTHER C. M. YAU
University of Hong Kong; University of Hong Kong; University of
Hong Kong

- Represents a concerted effort to examine Hong Kong cinema within an interdisciplinary context with connections between gender studies, media studies, Asian regional studies, Chinese language and cultural studies, global studies, and critical theory
- Highlights the often contentious debates that shape current thinking about film as a medium and its possible future
- Investigates how changing research on gender, the body, and sexual orientation alter the ways in which we analyze sexual difference in Hong Kong cinema
- Charts how developments in theories of colonialism, postcolonialism, globalization, neoliberalism, Orientalism, and nationalism transform our understanding of the economics and politics of the Hong Kong film industry
- Explores how the concepts of diaspora, nostalgia, exile, and trauma offer opportunities to rethink accepted ways of understanding Hong Kong's popular cinematic genres and stars



SERIES: WILEY BLACKWELL COMPANIONS TO
NATIONAL CINEMAS
OCTOBER 2019 640PP

978-1-119-06603-3 PB \$54.95 (Japan)

Film Studies

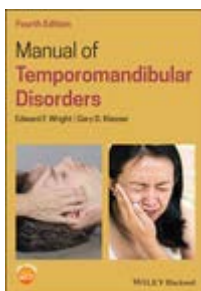
Manual of Temporomandibular Disorders

4th Edition

EDWARD F. WRIGHT & GARY D. KLASSER

University of Texas Health Science Center, San Antonio, USA;
Louisiana State University, Baton Rouge, Louisiana, USA

Fully updated with the latest information in the field, this comprehensive book provides a practical guide to diagnosing and managing temporomandibular disorders in their dental practice. Written in an accessible, user-friendly style, it offers a simplified approach to the basic concepts and management decision points for the most commonly observed temporomandibular conditions, integrating the latest advances and advice throughout. Quick Consult, Focal Point, and Technical Tip boxes provide quick access to relevant information, and study results are summarized in graphs for ease of comprehension.



Manual of Temporomandibular Disorders, Fourth Edition examines an array of medical and dental conditions that affect the temporomandibular joint (TMJ), masticatory muscles, and contiguous structures. It presents evidence-based, clinically practical information to help dentists diagnose TMD accurately, rule out disorders that mimic TMD, and provide effective therapy for most patients.

Special features include:

- Frequently Asked Questions
- Quick Consults, Technical Tips, and Focal Points
- Information on disorders that mimic TMD and factors that warrant referral
- Extensive color photographs and line drawings
- A companion website providing helpful examples and patient handouts

Manual of Temporomandibular Disorders, Fourth Edition is a must-have how-to manual for general dentists, dental students, and residents involved in this area of practice.

OCTOBER 2019 484PP

978-1-119-54884-3 PB \$129.99 (Japan)

General Dentistry

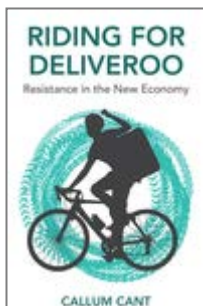
経済学

Riding for Deliveroo

Resistance in the New Economy

CALLUM CANT

What is life like for workers in the gig economy? Is it a paradise of flexibility and individual freedom? Or is it a world of exploitation and conflict? Callum Cant took a job with one of the most prominent platforms, Deliveroo, to find out.



His vivid account of the reality is grim. Workers are being tyrannised by algorithms and exploited for the profit of the few – but they are not taking it lying down. Cant reveals a transnational network of encrypted chats and informal groups which have given birth to a wave of strikes and protests. Far from being atomised individuals helpless in the face of massive tech companies, workers are tearing up the rulebook and taking back control. New developments in the workplace are combining to produce an explosive subterranean class struggle – where the stakes are high, and the risks are higher.

Riding for Deliveroo is the first portrait of a new generation of working class militants. Its mixture of compelling first-hand testimony and engaging analysis is essential for anyone wishing to understand class struggle in platform capitalism.

READERSHIP: General readers interested in and students and scholars studying the gig economy, digital labour.

OCTOBER 2019 180PP

978-1-5095-3550-7 CL \$59.95 (Japan)*Political Economics*

OCTOBER 2019 140PP

978-1-5095-3551-4 PB \$19.95 (Japan)*Political Economics*

The Political Economy of International Trade

KEN HEYDON

With protectionist sentiment and economic nationalism on the rise, international trade and how it is governed is at the heart of some of the most important contemporary economic and political debates.



Comprehensive and clear, this book skilfully outlines and analyses the dynamics of trade in the 21st century. Ken Heydon examines three broad themes: the nature and distribution of the gains from trade, the institutional and governance framework of the international trade system, and the contentious practical issues confronting policy-makers across the world. He considers pressing contemporary debates surrounding issues ranging from agriculture and food security to the links between trade and environment protection, core labour standards and intellectual property rights. He demonstrates the importance of a change of mindset in terms of how we see trade policy: it should not, he argues, be simply a question of international negotiation, but also a key component of sound domestic economic management. In short, we need to put commerce in context.

Drawing on the author's experience as a policy practitioner, trade policy analyst and teacher, the volume is informed by an extensive analysis of the literature and by relevant case studies. It is designed for students and scholars of international political economy and trade policy, trade officials, and the general public.

READERSHIP: Students and scholars of international trade, the political economy of international trade, and trade policy.

OCTOBER 2019 240PP

978-1-5095-3435-7 CL \$69.95 (Japan)*Political Economics*

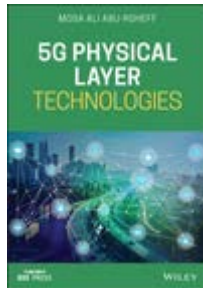
OCTOBER 2019 240PP

978-1-5095-3436-4 PB \$24.95 (Japan)*Political Economics*

5G Physical Layer Technologies

MOSA ALI ABU-RGHEFF

Written in a clear and concise manner, this book presents readers with an in-depth discussion of the 5G technologies that will help move society beyond its current capabilities. It perfectly illustrates how the technology itself will benefit both individual consumers and industry as the world heads towards a more connected state of being. Every technological application presented is modeled in a schematic diagram and is considered in depth through mathematical analysis and performance assessment.



Each chapter of 5G Physical Layer Technologies contains texts, mathematical analysis, and applications supported by figures, graphs, data tables, appendices, and a list of up to date references, along with an executive summary of the key issues. Topics covered include: the evolution of wireless communications; full duplex communications and full dimension MIMO technologies; network virtualization and wireless energy harvesting; Internet of Things and smart cities; and millimeter wave massive MIMO technology. Additional chapters look at millimeter wave propagation losses caused by atmospheric gases, rain, snow, building materials and vegetation; wireless channel modeling and array mutual coupling; massive array configurations and 3D channel modeling; massive MIMO channel estimation schemes and channel reciprocity; 3D beamforming technologies; and linear precoding strategies for multiuser massive MIMO systems. Other features include:

- In depth coverage of a hot topic soon to become the backbone of IoT connecting devices, machines, and vehicles
- Addresses the need for green communications for the 21st century
- Provides a comprehensive support for the advanced mathematics exploited in the book by including appendices and worked examples
- Contributions from the EU research programmes, the International telecommunications companies, and the International standards institutions (ITU; 3GPP; ETSI) are covered in depth
- Includes numerous tables and illustrations to aid the reader
- Fills the gap in the current literature where technologies are not explained in depth or omitted altogether

SERIES: WILEY - IEEE

OCTOBER 2019 592PP

978-1-119-52551-6 CL \$140.00 (Japan)

Mobile & Wireless Communications

SEPTEMBER 2019

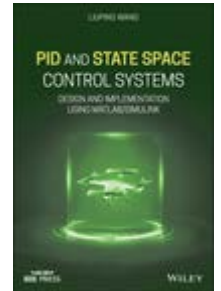
978-1-119-52554-7 Wiley Online Library

PID and State Space Control Systems

Design and Implementation using MATLAB/Simulink

LIUPING WANG

This book covers the design and implementation of PID and state space control systems with operational constraints. It provides students, researchers, and industrial practitioners with everything they need to know about PID control systems--from classical tuning rules and model-based design to constraints, automatic tuning, cascade control, and gain scheduled control. Along similar lines to PID control, state space control systems are introduced with emphasis on process control applications such as disturbance rejection, reference following, and operational constraints.



Both Part 1 and Part 2 contain many original results obtained by the author.

- Provides unique coverage of PID Control of unmanned aerial vehicles (UAVs), including mathematical models of multi-rotor UAVs, control strategies of UAVs, and automatic tuning of PID controllers for UAVs
- Provides detailed descriptions of automatic tuning of PID control systems, including relay feedback control systems, frequency response estimation, Monte-Carlo simulation studies, PID controller design using frequency domain information, and MATLAB/Simulink simulation and implementation programs for automatic tuning
- Includes 19 MATLAB tutorials, in a step-by-step manner, to illustrate the design, simulation and implementation of PID, and state space control systems
- Assists lecturers, teaching assistants, students, and other readers to learn PID and state space control with constraints and apply the control theory to various areas
- Supplemented with lecture slides and MATLAB/ Simulink programs featured on the MathWorks website and Wiley's website

SERIES: WILEY - IEEE

OCTOBER 2019 344PP

978-1-119-46934-6 CL \$135.00 (Japan)

Control Systems Technology

OCTOBER 2019

978-1-119-46941-4 Wiley Online Library

Autonomous Mobile Robots and Multi-Robot Systems

Motion-Planning, Communication and Swarming

EUGENE KAGAN, NIR SHVALB & IRAD BEN-GAL
Tel-Aviv University, Israel; Tel-Aviv University, Israel

This book covers the methods and algorithms for the navigation, motion planning, and control of mobile robots acting individually and in groups. It addresses methods of positioning in global and local coordinates systems, off-line and on-line path-planning, sensing and sensors fusion, algorithms of obstacle avoidance, swarming techniques and cooperative behavior. The book includes ready-to-use algorithms, numerical examples and simulations, which can be directly implemented in both simple and advanced mobile robots, and is accompanied by a website hosting codes, videos, and PowerPoint slides

Autonomous Mobile Robots and Multi-Robot Systems: Motion-Planning, Communication and Swarming consists of four main parts. The first looks at the models and algorithms of navigation and motion planning in global coordinates systems with complete information about the robot's location and velocity. The second part considers the motion of the robots in the potential field, which is defined by the environmental states of the robot's expectations and knowledge. The robot's motion in the unknown environments and the corresponding tasks of environment mapping using sensed information is covered in the third part. The fourth part deals with the multi-robot systems and swarm dynamics in two and three dimensions.



- Provides a self-contained, theoretical guide to understanding mobile robot control and navigation
- Features implementable algorithms, numerical examples, and simulations
- Includes coverage of models of motion in global and local coordinates systems with and without direct communication between the robots
- Supplemented by a companion website offering codes, videos, and PowerPoint slides

Autonomous Mobile Robots and Multi-Robot Systems: Motion-Planning, Communication and Swarming is an excellent tool for researchers, lecturers, senior undergraduate and graduate students, and engineers dealing with mobile robots and related issues.

OCTOBER 2019 300PP
978-1-119-21286-7 CL \$135.00 (Japan)
Robotics

SEPTEMBER 2019
978-1-119-21315-4 [Wiley Online Library](#)

Analysis, Modeling, and Stability of Fractional Order Differential System

The Infinite State Approach

JEAN-CLAUDE TRIGEASSOU & NEZHA MAAMRI

Modelling of FDEs and FDSs based on fractional integrators represents the generalization of integer order system theory to fractional systems, with important differences due to the specificities of fractional calculus. Fractional integration is performed using two equivalent techniques: frequency synthesis and a modal distributed approach. This modelling technique provides immediate solutions to different initialization problems: fractional derivatives and FDEs/FDSs. Definition of fractional integrator energy allows FDE stability analysis using Lyapunov technique.

OCTOBER 2019 316PP
978-1-78630-269-4 CL \$155.00 (Japan)
Systems Engineering & Management

Fundamentals and Applications of Acoustic Metamaterials

From Seismic to Radio Frequency

VICENTE ROMERO GARCIA & ANNE-CHRISTINE HLADKY-HENNION

OCTOBER 2019 320PP
978-1-78630-336-3 CL \$155.00 (Japan)
RF / Microwave Theory & Techniques

Real-Time Three-Dimensional Imaging of Dielectric Bodies Using Microwave/Millimeter Wave Holography

REZA K. AMINEH, NATALIA K. NIKOLOVA & MARYAM RAVAN

Real-Time Three-Dimensional Imaging of Dielectric Bodies Using Microwave/Millimeter Wave Holography offers an authoritative guide to the field of microwave holography for the specific application of imaging dielectric bodies. The authors--noted experts on the topic--review the early works in the area of optical and microwave holographic imaging and explore recent advances of the microwave and millimeter wave imaging techniques. These techniques are based on the measurement of both magnitude and phase over an aperture and then implementing digital image reconstruction.



The book presents developments in the microwave holographic techniques for near-field imaging applications such as biomedical imaging and non-destructive testing of materials. The authors also examine novel holographic techniques to gain super-resolution or quantitative images. The book also includes a discussion of the capabilities and limitations of holographic reconstruction techniques and provides recommendations for overcoming many of the limitations. This important book:

- Describes the evolution of wide-band microwave holography techniques from synthetic aperture radar principles
- Explores two major approaches to near-field microwave holography: Using the incident field and Green's function information and using point-spread function of the imaging system
- Introduces the "diffraction limit" in the resolution for techniques that are based on the Born approximation, and provides techniques to overcome this limit

Written for students and research associates in microwave and millimeter wave engineering, Real-Time Three-Dimensional Imaging of Dielectric Bodies Using Microwave/Millimeter Wave Holography reviews microwave and millimeter-wave imaging techniques based on the holographic principles and provides information on the most current developments.

SERIES: IEEE PRESS SERIES ON RF AND MICROWAVE TECHNOLOGY

OCTOBER 2019 176PP

978-1-119-53886-8 PB \$59.95 (Japan)

RF / Microwave Theory & Techniques

JULY 2019

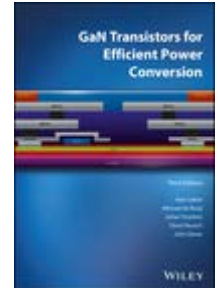
978-1-119-53887-5 Wiley Online Library

GaN Transistors for Efficient Power Conversion

3rd Edition

ALEX LIDOW, MICHAEL DE ROOIJ, JOHAN STRYDOM, DAVID REUSCH & JOHN GLASER

This updated, third edition of a popular book on GaN transistors for efficient power conversion has been substantially expanded to keep students and practicing power conversion engineers ahead of the learning curve in GaN technology advancements. Acknowledging that GaN transistors are not one-to-one replacements for the current MOSFET technology, this book serves as a practical guide for understanding basic GaN transistor construction, characteristics, and applications. Included are discussions on the fundamental physics of these power semiconductors, layout, and other circuit design considerations, as well as specific application examples demonstrating design techniques when employing GaN devices.



GaN Transistors for Efficient Power Conversion, 3rd Edition brings key updates to the chapters of Driving GaN Transistors; Modeling, Simulation, and Measurement of GaN Transistors; DC-DC Power Conversion; Envelope Tracking; and Highly Resonant Wireless Energy Transfer. It also offers new chapters on Thermal Management, Multilevel Converters, and Lidar, and revises many others throughout.

GaN Transistors for Efficient Power Conversion, 3rd Edition brings key updates to the chapters of Driving GaN Transistors; Modeling, Simulation, and Measurement of GaN Transistors; DC-DC Power Conversion; Envelope Tracking; and Highly Resonant Wireless Energy Transfer. It also offers new chapters on Thermal Management, Multilevel Converters, and Lidar, and revises many others throughout.

- Written by leaders in the power semiconductor field and industry pioneers in GaN power transistor technology and applications
- Updated with 35% new material, including three new chapters on Thermal Management, Multilevel Converters, Wireless Power, and Lidar
- Features practical guidance on formulating specific circuit designs when constructing power conversion systems using GaN transistors
- A valuable resource for professional engineers, systems designers, and electrical engineering students who need to fully understand the state-of-the-art

GaN Transistors for Efficient Power Conversion, 3rd Edition is an essential learning tool and reference guide that enables power conversion engineers to design energy-efficient, smaller, and more cost-effective products using GaN transistors.

OCTOBER 2019 384PP

978-1-119-59414-7 CL \$125.00 (Japan)

Power Electronics

SEPTEMBER 2019

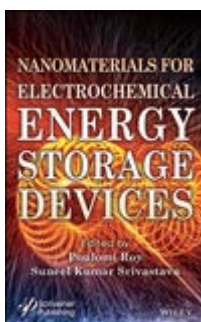
978-1-119-59440-6 Wiley Online Library

エネルギー

Nanomaterials for Electrochemical Energy Storage Devices

POULOMO ROY & S. K. SRIVASTAVA

Energy storage devices are considered to be an important field of interest for researchers worldwide. Batteries and supercapacitors are therefore extensively studied and progressively evolving. The book not only emphasizes the fundamental theories, electrochemical mechanism and its computational view point, but also discusses recent developments in electrode designing based on nanomaterials, separators, fabrication of advanced devices and their performances.



OCTOBER 2019 500PP

978-1-119-51003-1 CL \$225.00 (Japan)*Energy Storage*

JULY 2019

978-1-119-51000-0 [Wiley Online Library](#)

Advances in Natural Gas Engineering

Volume 8

JOHN J. CARROLL & ALICE WU
Gas Liquids Engineering, Ltd.

OCTOBER 2019 400PP

978-1-119-59206-8 CL \$235.00 (Japan)*Natural Gas & Petroleum Products*

AUGUST 2019

978-1-119-59332-4 [Wiley Online Library](#)

Progress in Solar Energy Technologies and Applications

UMAKANTA SAHOO

OCTOBER 2019 400PP

978-1-119-55560-5 CL \$225.00 (Japan)*Renewable Energy*

SEPTEMBER 2019

978-1-119-55565-0 [Wiley Online Library](#)

The Wind Power Story

A Century of Innovation that Reshaped the Global Energy Landscape

BRANDON OWENS

This book takes readers on a journey through the history of wind power in order to show how the technology evolved over the course of the twentieth century and where it may be headed in the twenty-first century. It introduces and examines broad themes such as government funding of wind power, the role of fossil fuels in wind power development, and the importance of entrepreneurs in wind power development. It also discusses the lessons learned from wind power technology innovation and makes them relevant to the understanding of wind power today and in the future.

Spanning the entire history of wind power (1888–2018), *The Wind Power Story: A Century of Innovation that Reshaped the Global Energy Landscape* provides balanced coverage of each decade as well as the important wind power technology innovations that occurred during that time. Compelling from the first page to the last, it offers chapters covering the pioneers of wind power; the age of small wind; wind power in the wake of war; wind power's use across Europe; government-funded research programs; how Denmark reinvented wind power in the 1970s; the California Wind Rush of the 1980s; wind power's rise in Spain; America's wind power starting in the 1990s; India's wind power path; the wind power surge in China; the globalization of wind power; and much more.

In addition, this text:

- Spans the entire global history of wind power, while weaving together both the historical context and the technical details of wind power innovation
- Provides historical context for wind power developments and explains the evolution of wind turbine technology in an easy-to-understand manner
- Discusses the policy, technology, and market evolution of wind power in commonly understood language
- Offers a review of the surrounding power technology, policy, and market environment throughout the history of wind power

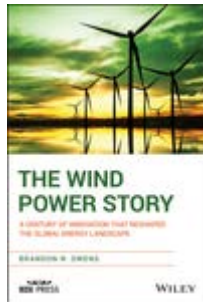
OCTOBER 2019 368PP

978-1-118-79418-0 PB \$74.95 (Japan)

Wind Energy

JULY 2019

978-1-118-79428-9 [Wiley Online Library](#)



High Voltage Direct Current Transmission

**Converters, Systems and DC Grids
2nd Edition**

DRAGAN JOVCIC

This newly updated edition covers all HVDC transmission technologies including Line Commutated Converter (LCC) HVDC; Voltage Source Converter (VSC) HVDC, and the latest VSC HVDC based on Modular Multilevel Converters (MMC), as well as the principles of building DC transmission grids.

Featuring new material throughout, *High Voltage Direct Current Transmission: Converters, Systems and DC Grids, 2nd Edition* offers several new

chapters/sections including one on the newest MMC converters. It also provides extended coverage of switchgear, DC grid protection and DC/DC converters following the latest developments on the market and in research projects. All three HVDC technologies are studied in a wide range of topics, including: the basic converter operating principles; calculation of losses; system modelling, including dynamic modelling; system control; HVDC protection, including AC and DC fault studies; and integration with AC systems and fundamental frequency analysis. The text includes:

- A chapter dedicated to hybrid and mechanical DC circuit breakers
- Half bridge and full bridge MMC: modelling, control, start-up and fault management
- A chapter dedicated to unbalanced operation and control of MMC HVDC
- The advancement of protection methods for DC grids
- Wideband and high-order modeling of DC cables
- Novel treatment of topics not found in similar books, including SimPowerSystems models and examples for all HVDC topologies hosted by the 1st edition companion site.

High Voltage Direct Current Transmission: Converters, Systems and DC Grids, 2nd Edition serves as an ideal textbook for a graduate-level course or a professional development course.

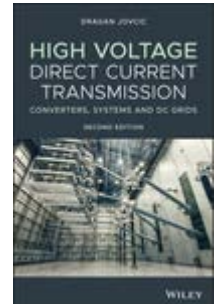
AUGUST 2019 544PP

978-1-119-56654-0 CL \$145.00 (Japan)

Power Technology & Power Engineering

AUGUST 2019

978-1-119-56663-2 [Wiley Online Library](#)



Power System Dynamics with Computer Based Modeling and Analysis

YOSHIHIDE HASE, TANUJ KHANDELWAL & KAZUYUKI KAMEDA

Derived from Yoshihide Hase's Handbook of Power Systems Engineering, 2nd Edition, this book provides readers with everything they need to know about power system dynamics. Presented in three parts, it covers power system theories, computation theories, and how prevailed engineering platforms can be utilized for various engineering works. It features many illustrations based on ETAP to help explain the knowledge within as much as possible. Recompiling all the chapters from the previous book, Power System Dynamics with Computer Based Modeling and Analysis offers nineteen new and improved content with updated information and all new topics, including two new chapters on circuit analysis which help engineers with non-electrical engineering backgrounds. Topics covered include: Essentials of Electromagnetism; Complex Number Notation (Symbolic Method) and Laplace-transform; Fault Analysis Based on Symmetrical Components; Synchronous Generators; Induction-motor; Transformer; Breaker; Arrester; Overhead-line; Power cable; Steady-State/Transient/Dynamic Stability; Control governor; AVR; Directional Distance Relay and R-X Diagram; Lightning-/Switching Surgenomina; Insulation Coordination; Harmonics; Power Electronics Applications (Devices, PE-circuit and Control) and more.

- Combines computer modeling of power systems, including analysis techniques, from an engineering consultant's perspective
- Uses practical analytical software to help teach how to obtain the relevant data, formulate 'what-if' cases, and perform data analysis into meaningful information
- Includes mathematical details of power system analysis and power system dynamics

Theory of Power System Dynamics with Computer Based Modeling and Systems Analysis will appeal to all power system engineers as well as engineering and electrical engineering students.

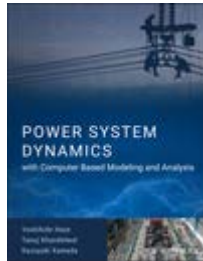
OCTOBER 2019 1112PP

978-1-119-48745-6 CL \$200.00 (Japan)

Power Technology & Power Engineering

OCTOBER 2019

978-1-119-48747-0 Wiley Online Library



Magnetic Field Measurement with Applications to Modern Power Grids

QI HUANG, ARSALAN HABIB KHAWAJA, YAFENG CHEN & JIAN LI

Department of Electrical and Computer Engineering, University of Florida

Magnetic Field Measurement with Applications to Modern Power Grids offers an authoritative review of the development of magnetic field measurement and the application of the technology to the smart grid. The authors, noted experts in the field, present the challenges to the field of magnetics and explore the use of cutting-edge magnetic technology in the development of the smart grid. In addition, the authors discussed the applications of magnetic field measurements in substations, generations systems, transmission systems and distribution systems. The specialized applications of magnetic field measurements in these venues are explored including the typical sensors used, the field strength levels and spectral frequencies involved and the mathematics that are needed to process data measurements.

The book presents the complex topic of electromagnetics in clear and understandable terms. Magnetic Field Measurement with Applications to Modern Power Grids offers researchers in the magnetic community a guide to the progress of the smart grid and helps to inspire innovation of magnetic technologies in the smart grid. The technologies of measurement are a bridge between mathematical models and application oriented practice. The book is a guide to that bridge and:

- Offers a comprehensive review of the development of magnetic field measurement
- Shows how magnetic field measurement applies to the smart grid
- Outlines the challenges, trends and needs for future magnetic measurement systems
- Includes information on the need for levels of standardisation, smart grid applications and innovative sensors

Written for researchers in smart grid, power engineers, power grid companies and professionals in the measurement and test industries, Magnetic Field Measurement with Applications to Modern Power Grids is an authoritative guide that offers a clear understanding of the relationship between the magnetic field measurement and power grids.

SERIES: WILEY - IEEE

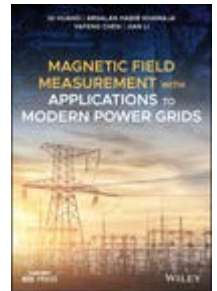
OCTOBER 2019 300PP

978-1-119-49451-5 CL \$140.00 (Japan)

Electric Power Systems

OCTOBER 2019

978-1-119-49448-5 Wiley Online Library



Earth Environments

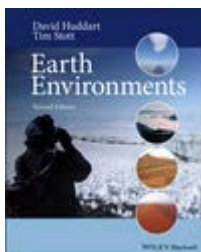
Past, Present and Future

2nd Edition

DAVID HUDDART & TIM STOTT

Liverpool John Moores University; Liverpool John Moores University

Complete with a new introduction by the authors, this updated edition helps provide an understanding of the past, present, and future processes that occur on and in our Earth--the fascinating, yet potentially lethal, set of atmospheric, surface, and internal processes that interact to produce our living environment. It introduces students to our planet's four key interdependent systems: the atmosphere, lithosphere, hydrosphere and biosphere, focusing on their key components, the interactions between them, and environmental change. The book also uses geological case studies throughout, in addition to the modern processes.



Topics covered in the Second Edition of *Earth Environments: Past, Present and Future* include: an Earth systems model; components systems and processes; atmospheric systems; oceanography; surface and internal geological systems; biogeography; and aspects of Earth's record. The book also discusses the impact of climate and environmental change in a final chapter that draws together Earth's systems and their evolution, and looks ahead to potential future changes in Earth's environments.

- Updated to include all the major developments since 2008
- Features research boxes containing summaries based on recent key journal articles
- Includes a companion web site containing multiple choice revision quizzes for students, PowerPoint slides for lecturers, useful links, and more
- Presents further reading for each topic so that students can build their knowledge base to underpin their own undergraduate research project/dissertation
- Offers additional case studies in each chapter for enhanced reader understanding

Earth Environments: Past, Present and Future is an excellent text for undergraduates in geosciences, environmental science, physical geography, natural hazards, and ecology.

OCTOBER 2019 1056PP

978-1-119-41325-7 PB \$100.00 (Japan)

General & Introductory Earth Sciences

Environmental and Low Temperature Geochemistry

2nd Edition

PETER RYAN

Environmental and Low-Temperature Geochemistry presents conceptual and quantitative principles of geochemistry in order to foster understanding of natural processes at and near the earth's surface, as well as anthropogenic impacts and remediation strategies. It provides the reader with principles that allow prediction of concentration, speciation, mobility and reactivity of elements and compounds in soils, waters, sediments and air, drawing attention to both thermodynamic and kinetic controls. The scope includes atmosphere, terrestrial waters, marine waters, soils, sediments and rocks in the shallow crust; the temporal scale is present to Precambrian, and the spatial scale is nanometers to local, regional and global.



This second edition of *Environmental and Low-Temperature Geochemistry* provides the most up-to-date status of the carbon cycle and global warming, including carbon sources, sinks, fluxes and consequences, as well as emerging evidence for (and effects of) ocean acidification. Understanding environmental problems like this requires knowledge based in fundamental principles of equilibrium, kinetics, basic laws of chemistry and physics, empirical evidence, examples from the geological record, and identification of system fluxes and reservoirs that allow us to conceptualize and understand. This edition aims to do that with clear explanations of fundamental principles of geochemistry as well as information and approaches that provide the student or researcher with knowledge to address pressing questions in environmental and geological sciences.

The interdisciplinary approach and range of topics -- including environmental contamination of air, water and soil as well as the processes that affect both natural and anthropogenic systems -- make it well-suited for environmental geochemistry courses at universities as well as liberal arts colleges.

OCTOBER 2019 424PP

978-1-119-56858-2 PB \$69.95 (Japan)

Geochemistry & Mineralogy

The Origins of Natural Diamonds

N. O. SOROKHTIN

This is not just the story of the origin, evolution, and production of diamonds, but a story about the evolution of the Earth's geology in general. Important to geologists, geophysicists, and engineers across multiple disciplines, written by an expert in the field and an expert on the Earth's geological evolution, this volume represents the state-of-the-art in major Earth geological processes. Of particular importance to mining engineers and petroleum engineers, it is also a practical guide for those who work in the mining or petroleum industry.

Valuable as either a learning tool for the student or as a reference or refresher for the veteran scientist or engineer, the author explains important geological processes, such as the Earth's origin, composition, and structure, the Earth's energy balance, continental drift, tectonic activity, the evolution of the Earth's crust, and others. It is within this geological framework that the author offers practical guidance for engineers and scientists who work in industry or academia. It is a must-have for any geologist, geophysicist, or engineer working in mining or petroleum engineering.

OCTOBER 2019 532PP

978-1-119-59344-7 CL \$249.00 (Japan)

Geochemistry & Mineralogy

JULY 2019

978-1-119-59346-1 **Wiley Online Library**

環境科学

Politicization of Ecological Issues From Environmental Forms to Environmental Motives

GABRIELLE BOULEAU

OCTOBER 2019 200PP

978-1-78630-481-0 CL \$120.00 (Japan)

Environmental Economics & Politics

ファイナンス／インベストメント

Money Without Boundaries

How Blockchain Will Facilitate the Denationalization of Money

THOMAS J. ANDERSON

Largely inspired by The Denationalization of Money by Friedrich Hayek, *Money Without Boundaries*' ideological foundation is also inspired by economists and thought leaders like Milton Friedman and Irving Fisher, advancements in capital markets over the past 50 years, and the convergence of old and new technologies. Author Thomas J. Anderson explains how blockchain acts as the filter and the glue, making it all possible.

Compared with other currencies, blockchain-managed money markets are more straightforward and transparent. It is easier to monitor, understand, and assess the quality of their "full-faith and credit." *Money Without Boundaries* shows how not only money, but also the process of borrowing and lending, will evolve to be conducted in a 100% trusted, secure, transparent, open architecture environment. Anderson begins with a history of money and discusses the rise of cryptocurrency, concluding with a comparison of decentralized money markets to all other alternatives.

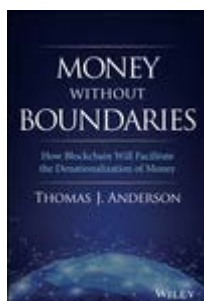
Money without Boundaries:

- Demonstrates how blockchain technology allows full transparency
- Explains how blockchain makes it possible for money to be fully commoditized
- Explains how this fully market-based, decentralized, self-regulating system has vast implications throughout the global financial system
- Shows how everyone will benefit when they have the opportunity to compete on "full faith in credit"

If you are interested in cryptocurrency, money, monetary theory, or understanding how the applied uses of blockchain technology will change your everyday life, this is essential reading.

OCTOBER 2019 256PP

978-1-119-56406-5 CL \$29.95 (Japan)

Money & Banking

Fund Managers

The Complete Guide

MATTHEW HUDSON

Fund Managers: The Complete Guide is an all-encompassing overview of fund and asset managers around the globe. The only comprehensive guide on the subject, this book covers both the fund manager and the market as a whole while providing insights from current and future fund managers and leaders in the technology industry from the UK, EU and US. Focused examination of the fund managers and their investors -- the categories of manager, the asset classes they participate in, how they are using technology and their views on the market -- complements a wider survey of the market that includes upcoming changes to regulation, taxation and political shifts in the Western world.

The asset management industry continues to undergo significant changes that rise from the Global Financial Crisis and its recovery, the recent technology boom and political fluctuations that have altered the way business is conducted in financial markets around the world. Questions concerning China and Asia's rise, Trumpian influence in America and post-Brexit UK-EU relations underscore the contemporary relevance of *Fund Managers: The Complete Guide* to current and future discourse within the industry. This important volume:

- Explains worldwide roles, purposes and operations of asset managers including how local culture influences their strategies
- Examines different types of assets and asset-management strategies
- Investigates the influence of macroeconomic and political factors such as governance and regulation, international taxation, anti-globalisation and populism
- Illustrates the impact of technology and its disruptive products and players
- Describes the different types of investor investing in the managers' funds and how they view the industry
- Future-gazes over the ten years and beyond for the industry

Fund Managers: The Complete Guide is the authoritative resource for anyone who requires an overview of the asset management industry and up-to-date insights on current and future trends and practices. The book also complements the author's earlier work *Funds: Private Equity, Hedge and All Core Structures*.

SERIES: WILEY FINANCE

OCTOBER 2019 356PP

978-1-119-51558-6 CL \$77.00 (Japan)

Financial Products

OCTOBER 2019

978-1-119-51563-0 **Wiley Online Library**

Derivatives

Theory and Practice

1st Edition

KEITH CUTHBERTSON & DIRK NITZSCHE
*Newcastle upon Tyne University and City University Business
School; Imperial College, London, UK*

OCTOBER 2019 912PP

978-1-119-59559-5 PB \$64.00 (Japan)

Financial Engineering

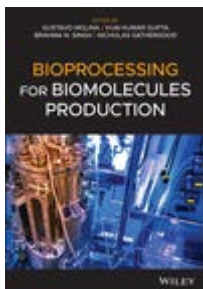
SEPTEMBER 2019

978-1-119-59566-3 **Wiley Online Library**

Bioprocessing for Biomolecules Production

Editor GUSTAVO MOLINA, Editor VIJAI KUMAR GUPTA, Editor BRAHMA N. SINGH & Editor NICHOLAS GATHERGOOD

This book tackles the challenges and potential of biotechnological processes for the production of new industrial ingredients, bioactive compounds, biopolymers, energy sources, and compounds with commercial/industrial and economic interest by performing an interface between the developments achieved in the recent worldwide research and its many challenges to the upscale process until the adoption of commercial as well as industrial scale.



Bioprocessing for Biomolecules Production examines the current status of the use and limitation of biotechnology in different industrial sectors, prospects for development combined with advances in technology and investment, and intellectual and technical production around worldwide research. It also covers new regulatory bodies, laws and regulations, and more. Chapters look at biological and biotechnological processes in the food, pharmaceutical, and biofuel industries; research and production of microbial PUFAs; organic acids and their potential for industry; second and third generation biofuels; the fermentative production of beta-glucan; and extremophiles for hydrolytic enzymes productions. The book also looks at bioethanol production from fruit and vegetable wastes; bioprocessing of cassava stem to bioethanol using soaking in aqueous ammonia pretreatment; bioprospecting of microbes for bio-hydrogen production; and more.

- Provides up to date information about the advancements made on the production of important biotechnological ingredients
- Complete visualization of the general developments of world research around diverse products and ingredients of technological, economic, commercial and social importance
- Investigates the use and recovery of agro-industrial wastes in biotechnological processes
- Includes the latest updates from regulatory bodies for commercialization feasibility

Offering new products and techniques for the industrial development and diversification of commercial products, Bioprocessing for Biomolecules Production is an important book for graduate students, professionals, and researchers involved in food technology, biotechnology; microbiology, bioengineering, biochemistry, and enzymology.

OCTOBER 2019 472PP

978-1-119-43432-0 CL \$199.99 (Japan)

Food Processing, Production & Manufacture

OCTOBER 2019

978-1-119-43443-6 [Wiley Online Library](#)

Baking Technology and Nutrition Towards a Healthier World

STANLEY P. CAUVAIN & ROSIE H. CLARK
BakeTran

The impact of bakery products upon human nutrition is an increasingly pressing concern among consumers and manufacturers alike. With obesity and other diet-related conditions on the rise, the levels of salt, fat, and sugar found in many baked goods can no longer be overlooked. Those working in the baking industry are consequently turning more and more to science and technology to provide routes toward healthier alternatives to classic cake, bread, and pastry recipes.



With Baking Technology and Nutritional Research, renowned food scientist Stanley P. Cauvain and co-author Rosie H. Clark present an innovative and much-needed study of the changes taking place in the world of baking. Their discussion focuses on the new avenues open to bakers looking to improve the nutritional value of their products and encompasses all related issues, from consumer preferences to the effects of nutritional enhancement upon shelf-life. Featuring an abundance of new research and insights into the possible future of modern baking, this unique text:

- Offers practical guidance on developing, delivering, and promoting high-nutrition bakery products
- Discusses reducing ingredients such as salt, fat, and sugar for improved nutrition while preserving quality and consumer acceptability
- Explores how wheat-based products can be ideal vehicles for improving the nutrition of major sectors of populations
- Suggests real-world solutions to problems rising from poorly defined quality guidelines and inadequate dialogue between bakers and nutritionists

Baking Technology and Nutrition is an indispensable and timely resource for technologists, manufacturers, healthcare practitioners, or anyone else working in today's food and nutrition industries.

OCTOBER 2019 232PP

978-1-119-38715-2 CL \$175.00 (Japan)

Bakery & Cereals

SEPTEMBER 2019

978-1-119-38717-6 [Wiley Online Library](#)

Political Ecology A Critical Introduction

PAUL ROBBINS
Ohio State University

The third edition of *Political Ecology* spans this sprawling field, using grounded examples and careful readings of current literature. While the study of political ecology is sometimes difficult to fathom, owing to its breadth and diversity, this resource simplifies the discussion by reducing the field down into a few core questions and arguments. These points clearly demonstrate how critical theory can make pragmatic contributions to the fields of conservation, development, and environmental management.



The latest edition of this seminal work is also more closely focused, with references to recent work from around the world. Further, *Political Ecology* raises critical questions about "traditional" approaches to environmental questions and problems. This new edition:

- Includes international work in the field coming out of Europe, Latin America, and Asia
- Explains political ecology and its tendency to disrupt the environmental research and practice by both advancing and undermining associated fields of study
- Contains contributions from a wide range of diverse backgrounds and expertise
- Offers a resource that is written in highly-accessible, straightforward language
- Outlines the frontiers of the field and frames climate change and the end of population growth with the framework of political ecology

An excellent resource for undergraduates and academics, the third edition of *Political Ecology* offers an updated edition of the guide to this diverse, quickly growing field that is at the heart of how humans shape the world and, in turn, are shaped by it.

SERIES: CRITICAL INTRODUCTIONS TO GEOGRAPHY
OCTOBER 2019 264PP

978-1-119-16744-0 PB \$49.95 (Japan)

Environmental Geography

Assistive Technologies and Environmental Interventions in Healthcare

An Integrated Approach

Editor LYNN GITLOW & Editor KATHLEEN FLECKY

Providing a holistic and client-centered approach, *Assistive Technologies and Environmental Interventions in Healthcare* explores the individual's needs within the environment, examines the relationship between disability and a variety of traditional and cutting-edge technologies, and presents a humanistic discussion of Technology-Environment Intervention (TEI).

Written by a multidisciplinary team of authors, this text introduces readers to a variety of conceptual practice models and the clinical reasoning perspectives. It also provides insight into how designers go about solving human-tech problems, discusses best practices for both face-to-face and virtual teams, and looks at the psychological, sociocultural, and cognitive factors behind the development and provision of assistive technologies.

- Examines a wide range of technologies and environmental interventions
- Demonstrates how a better understanding of the complexity of human interaction with both the physical and social environment can lead to better use of technology
- Explores the future of technology and research in TEI

Complete with a range of learning features such as keywords, case studies and review questions, this book is ideal for undergraduate and graduate students in occupational therapy and other related health professions, as well as those undertaking certification and board examinations.

OCTOBER 2019 488PP

978-1-119-48322-9 PB \$89.99 (Japan)

Occupational Therapy



歴史

A History of Modern Africa 1800 to the Present 3rd Edition

RICHARD J. REID
SOAS, University of London

A History of Modern Africa explores two centuries of the continent's political, economic, and social history. This thorough yet accessible text help readers to understand key concepts, recognize significant themes, and identify the processes that shaped the modern history of Africa. Emphasis is placed on the consequences of colonial rule, and the links between the precolonial and postcolonial eras. Author Richard Reid, a prominent scholar and historian on the subject, argues that Africa's struggle for economic and political stability in the nineteenth century escalated and intensified through the twentieth century, the effects of which are still felt in the present day.

The new third edition offers substantial updates and revisions that consider recent events and historiography. Greater emphasis is placed on African agency, particularly during the colonial period, and the importance of the long-term militarization of African political culture. Discussions of the postcolonial period have been updated to reflect recent developments, including those in North Africa. Adopting a long-term approach to current African issues, this text:

- Explores the legacies of the nineteenth century and the colonial period in the context of the contemporary era
- Highlights the role of nineteenth century and long-term internal dynamics in Africa's modern challenges
- Combines recent scholarship with concise and effective narrative
- Features maps, illustrations, expanded references, and comprehensive endnotes

A History of Modern Africa: 1800 to the Present, 3rd Edition is an excellent introduction to the subject for undergraduate students in relevant courses, and for general readers with interest in modern African history and current affairs.

SERIES: WILEY BLACKWELL CONCISE HISTORY OF THE
MODERN WORLD
OCTOBER 2019 424PP

978-1-119-38192-1 PB \$47.95 (Japan)

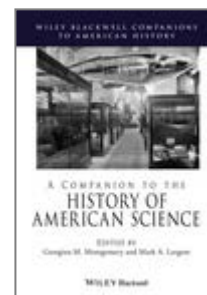
African History

A Companion to the History of American Science

Editor GEORGINA M. MONTGOMERY & Editor MARK A.
LARGENT
Largent - Michigan State University, Montgomery - Michigan State
University

A Companion to the History of American Science offers a collection of essays that give an authoritative overview of the most recent scholarship on the history of American science.

- Covers topics including astronomy, agriculture, chemistry, eugenics, Big Science, military technology, and more
- Features contributions by the most accomplished scholars in the field of science history
- Covers pivotal events in U.S. history that shaped the development of science and science policy such as WWII, the Cold War, and the Women's Rights movement



SERIES: WILEY BLACKWELL COMPANIONS TO
AMERICAN HISTORY
OCTOBER 2019 640PP

978-1-119-13070-3 PB \$59.95 (Japan)

History of Science & Medicine

法律

Intellectual Property Law for Engineers, Scientists, and Entrepreneurs 2nd Edition

HOWARD B. ROCKMAN, *Chicago, United States*
Reed Smith, *Chicago, IL*

This book informs engineering and science students, technology professionals, and entrepreneurs about the intellectual property laws that are important in their careers. It covers all of the major areas of intellectual property development and protection in non-legalistic terms that are understandable to technology and science professionals. New material includes a comprehensive discussion on the American Invents Act (AIA), coverage of many new high-profile topics, such as patent protection the mobile communications industry, and a new chapter on "The Future of Technology, Engineering, and Intellectual Property."

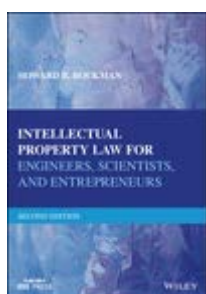
Now in its second edition, *Intellectual Property Law for Engineers, Scientists, and Entrepreneurs* enables inventors and creators to efficiently interface with an intellectual property attorney in order to obtain the maximum protection for their invention or creation, and to take steps to ensure that that invention or creation does not infringe upon the intellectual property rights of others. It includes patent, trade secret, mask work, and cybersquatting legal and procedural principles. The book also shows readers how to properly use new vehicles of intellectual property protection for novel software, biotech, and business method inventions. Additionally, it examines trademark protection for domain names, and other ancillary matters that fall within the genre of intellectual property protection. This informative text:

- Covers all of the major areas of intellectual property development and protection in clear, layman's terms so as to be easily understood by technology and science professionals
- Provides detailed outlines of patent, trademark, copyright, and unfair competition laws
- Offers essays on famous and noteworthy inventors and their inventions--and features a copy of the first page of patents resulting from these inventors' efforts
- Covers many new high-profile cases covering patent protection within the mobile communications industry

OCTOBER 2019 864PP

978-1-119-38197-6 CL \$135.00 (Japan)

Intellectual Property Law



The Encyclopedia of Women and Crime, 3 Volume Set

Editor FRANCES P. BERNAT, Editor KELLY FRAILING, Editor LORAIN GELSTHORPE, Editor SETHA KETHINENI & Editor LISA PASKO

Frances P. Bernat, *Arizona State University, USA*; Kelly Frailing, *Loyola University, USA*; University of Cambridge, *UK*

The Encyclopedia of Women and Crime is a comprehensive reference work on the pioneers and practitioners in the field of criminal justice, and an expert analysis of both female offenders and victims of crime. Offering a balanced perspective, this innovative work focuses on interdisciplinary, transnational, historical, and current perspectives on gender and offending behavior, victimization, legal and policy responses, and notable cases and individuals. Comprehensive coverage of a wide range of timely and relevant topics, historical analyses, biographies, and legal case studies provide readers with an essential resource on the intersection of race, class, and gender with both crime and victimization.

Providing a global perspective and both contemporary and historical scholarship on the subject, this multi-volume encyclopedia enables readers to assess current literature on crime, justice and gender, and understand and analyze women as both offenders of and victims of crime. Inclusive examination of topics including domestic violence, gender and human trafficking, rape and sexual offences, gender issues in policing, probation, and parole, and many others allow readers to understand the many facets of this important area of study.

- Approaches gender, crime, victimization and criminal justice employment from a global perspective
- Compares male and female offending behavior and criminal justice outcomes
- Analyzes women in their roles as criminal justice system professionals, including biographies and case studies
- Employs a transdisciplinary approach to crime by integrating sociology, law, political science, history, and literary biography
- Offers contributions from an international team of prominent scholars in fields of criminology and criminal justice, among others

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

OCTOBER 2019 1600PP

978-1-118-92979-7 CL \$475.00 (Japan) SD

Criminology

SEPTEMBER 2019

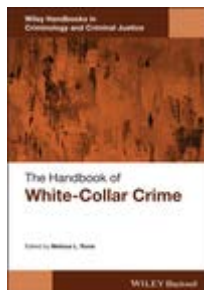
978-1-118-92980-3 [Wiley Online Library](#)



The Handbook of White-Collar Crime

MELISSA L. RORIE, *Henderson, United States & Series Editor*
CHARLES F. WELLFORD
University of Texas at Dallas, TX, USA

Law enforcement professionals and criminal justice scholars have debated the most appropriate definition of "white-collar crime" ever since Edwin Sutherland first coined the phrase in his speech to the American Sociological Society in 1939. The conceptual ambiguity surrounding the term has challenged efforts to construct a body of science that meaningfully informs policy and theory. The Handbook of White-Collar Crime is a unique re-framing of traditional discussions that discusses common topics of white-collar crime--who the offenders are, who the victims are, how these crimes are punished, theoretical explanations--while exploring how the choice of one definition over another affects research and scholarship on the subject.



Providing a one-volume overview of research on white-collar crime, this book presents diverse perspectives from an international team of both established and newer scholars that review theory, policy, and empirical work on a broad range of topics. Chapters explore the extent and cost of white-collar crimes, individual- as well as organizational- and macro-level theories of crime, law enforcement roles in prevention and intervention, crimes in Africa and South America, the influence of technology and globalization, and more. This important resource:

- Explores diverse implications for future theory, policy, and research on current and emerging issues in the field
- Clarifies distinct characteristics of specific types of offences within the general archetype of white-collar crime
- Includes chapters written by researchers from countries commonly underrepresented in the field
- Examines the real-world impact of ambiguous definitions of white-collar crime on prevention, investigation, and punishment
- Offers critical examination of how definitional decisions steer the direction of criminological scholarship

SERIES: WILEY HANDBOOKS IN CRIMINOLOGY AND CRIMINAL JUSTICE

OCTOBER 2019 544PP

978-1-118-77488-5 CL \$195.00 (Japan)

Criminology

OCTOBER 2019

978-1-118-77500-4 [Wiley Online Library](#)

ライフスタイル

Housetraining For Dummies 2nd Edition

SUSAN MCCULLOUGH, Vienna

Housetraining For Dummies (9781119610298) was previously published as Housetraining For Dummies (9780470476376). 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. The latest information and tips on making housetraining easier for your pet and yourself

Did you know that what you feed your dog can effect help or hinder the housetraining process? That's just one of the valuable tips you'll find in Housetraining For Dummies 2nd Edition, the authoritative housetraining reference for new and veteran pet owners alike.

This new edition features plenty of new and revised material on everything from the latest housetraining equipment to the latest information on diet and nutrition and the crucial role it plays in housetraining. You'll also find useful tips and techniques for creating environmentally safe cleaners from natural products found in the home and alternatives you can use if you have a sensitive pet.

- Features the latest findings on how pet nutrition can influence housetraining success
- Offers proven housetraining strategies
- Introduces new methods for housetraining multiple pets at once
- Reviews new housetraining equipment and products
- Shows you how to make environmentally safe stain and odor removers from products already in your home
- Susan McCullough is a columnist for Dog Fancy magazine and the author of several books including Beagles For Dummies; and the award-winning Senior Dogs For Dummies

Housetraining can be a difficult and stressful process for both you and your puppy, adult, or senior dog. Housetraining For Dummies 2nd Edition is the resource you need to make it faster and easier for both of you.

OCTOBER 2019 224PP

978-1-119-61029-8 PB \$19.99 (Japan)

Pet Care / Dogs



Kittens For Dummies

DUSTY RAINBOLT

Kittens For Dummies (9781119609117) was previously published as Kittens For Dummies (9780764541506). 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.

Who can resist the charm of a kitten, those energetic, curious creatures whose cuteness factors fall somewhere between adorable and irresistible? But as animal shelters across the country can attest, those enchanting balls of fluff quickly mature into full-grown cats with their own requirements for healthy, happy lives.

Kittens For Dummies is your source for understanding what you can expect if you decide to welcome a high energy and high maintenance four-legged friend into your home. You'll not only figure out if you're ready to fit a kitty into your lifestyle, but also how to go about

- Adopting or buying the right kitten for you
- Making sure your home is kitten-proof
- Introducing your new pet to children and other pets
- Preventing and treating feline illnesses
- Dealing with behavioral issues
- Rescuing an orphaned kitten

Books abound about kitten care. Unlike many of them--those that seem to require a veterinary medicine degree to figure out--Kittens For Dummies explains everything in plain, everyday English. And like the subject itself, this handy reference is full of fun. In entertaining, informative language, the friendly guide gives you the real deal on

- Doling out plenty of love, attention, and patience
- Deciding whether kitty will be allowed to explore the outdoors
- Making your kitten comfy with the right supplies and accessories
- Knowing how often to ring the dinner bell
- Recognizing emergencies that call for quick trips to the veterinarian
- Locating qualified caretakers when you travel
- Nurturing kitty into adulthood

OCTOBER 2019 304PP

978-1-119-60911-7 PB \$19.99 (Japan)

Pet Care / Cats



The Model Legume *Medicago truncatula*

FRANS J. DE BRUIJN

Model plant species are valuable not only because they lead to discoveries in basic biology, but also because they provide resources that facilitate translational biology to improve crops of economic importance. Plant scientists are drawn to models because of their ease of manipulation, simple genome organization, rapid life cycles, and the availability of multiple genetic and genomic tools. This reference provides comprehensive coverage of the Model Legume *Medicago truncatula*. It features review chapters as well as research chapters describing experiments carried out by the authors with clear materials and methods. Most of the chapters utilize advanced molecular techniques and biochemical analyses to approach a variety of aspects of the Model.

The Model Legume *Medicago truncatula* starts with an examination of *M. truncatula* plant development; biosynthesis of natural products; stress and *M. truncatula*; and the *M. truncatula*-*Sinorhizobium meliloti* symbiosis. Symbiosis of *Medicago truncatula* with arbuscular mycorrhiza comes next, followed by chapters on the common symbiotic signaling pathway (CSSP or SYM) and infection events in the *Rhizobium*-legume symbiosis. Other sections look at hormones and the rhizobial and mycorrhizal symbioses; autoregulation of nodule numbers (AON) in *M. truncatula*; *Medicago truncatula* databases and computer programs; and more.

- Contains reviews, original research chapters, and methods
- Covers most aspects of the *M. truncatula* Model System, including basic biology, biochemistry, genetics, and genomics of this system
- Offers molecular techniques and advanced biochemical analyses for approaching a variety of aspects of the Model Legume *Medicago truncatula*
- Includes introductions by the editor to each section, presenting the summary of selected chapters in the section
- Features an extensive index, to facilitate the search for key terms

The Model Legume *Medicago truncatula* is an excellent book for researchers and upper level graduate students in microbial ecology, environmental microbiology, plant genetics and biochemistry. It will also benefit legume biologists, plant molecular biologists, agrobiologists, plant breeders, bioinformaticians, and evolutionary biologists.

OCTOBER 2019 1328PP

978-1-119-40916-8 CL \$550.00 (Japan)

Molecular Microbiology

OCTOBER 2019

978-1-119-40914-4 **Wiley Online Library**

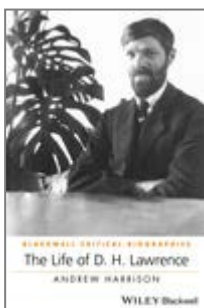
The Life of D. H. Lawrence

A Critical Biography

ANDREW HARRISON
University of Nottingham, UK

Complete with fresh perspectives, and drawing on the latest scholarship and biographical sources, *The Life of D. H. Lawrence* spans the full range of his intellectual interests and creative output to offer new insights into Lawrence's life, work, and legacy.

- Addresses his major works, but also lesser-known writings in different genres and his late paintings, in order to reassess the innovative, challenging, and subversive aspects of Lawrence's personality and writing
- Incorporates newly-discovered sources, including correspondence, a manuscript written in 1923-4, new evidence for important influences on his major novels and two previously unpublished images of the author
- Emphasizes Lawrence's gregarious nature, his desire to collaborate with others, and his adaptability to different social situations
- Pays particular attention to the many interactions with literary advisors, editors, agents, publishers, and printers that were required for him to work as a professional writer
- Combines new material with astute commentary to provide a nuanced understanding of one of the most prolific and controversial authors of the twentieth century



SERIES: WILEY BLACKWELL CRITICAL BIOGRAPHIES
OCTOBER 2024 472PP

978-1-119-22463-1 PB \$27.99 (Japan)

20th Century English Literature

Cochrane Handbook for Systematic Reviews of Interventions

2nd Edition

JULIAN P. T. HIGGINS & JAMES THOMAS
Medical Research Council, UK

The second edition of The Cochrane Handbook for Systematic Reviews of Interventions contains essential guidance for preparing and maintaining Cochrane Reviews of the effects of health interventions. Designed to be an accessible resource, the Handbook will also be of interest to anyone undertaking systematic reviews of interventions outside Cochrane, and many of the principles and methods presented are appropriate for systematic reviews addressing research questions other than effects of interventions.

This fully updated edition contains extensive new material on systematic review methods addressing a wide-range of topics including network meta-analysis, equity, complex interventions, narrative synthesis, and automation. Also new to this edition, integrated throughout the Handbook, is the set of standards Cochrane expects its reviews to meet.

Written for review authors, editors, trainers and others with an interest in Cochrane Reviews, the second edition of The Cochrane Handbook for Systematic Reviews of Interventions continues to offer an invaluable resource for understanding the role of systematic reviews, critically appraising health research studies and conducting reviews.

SERIES: WILEY COCHRANE SERIES

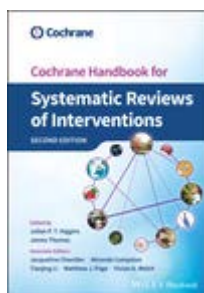
OCTOBER 2019 728PP

978-1-119-53662-8 CL \$70.00 (Japan)

General & Introductory Medical Science

SEPTEMBER 2019

978-1-119-53660-4 [Wiley Online Library](#)



Common Contact Allergens

A Practical Guide to Detecting Contact Dermatitis

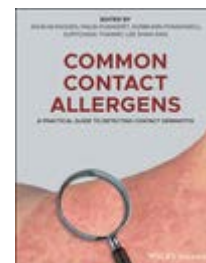
Editor JOHN MCFADDEN, Editor PAILIN PUANGPET, Editor KORBKARN PONGPAIROJ, Editor SUPITCHAYA THAIWAT & Editor SHAN XIAN LEE

Senior Consultant Dermatologist, Cutaneous Allergy Department, St John's Institute of Dermatology, London, UK

Written for a broad range of dermatologic professionals, Common Contact Allergens is a straightforward and useful guide that bridges the gap between detailed reference texts and basic handbooks on contact allergy, making it an ideal addition to general dermatology practices for practical use in the office.

The first section of the book leads practitioners through the steps necessary to effectively and accurately perform patch testing. This covers basic immunological knowledge, various ways in which contact allergy can present, patch test techniques, and how to diagnose allergic contact dermatitis. Giving attention to all standard allergens, the second section offers an overview of the current literature on each, with detailed analysis on determining the clinical relevance of a positive patch test reaction. This convenient companion:

- Offers universally applicable guidance on when and how to perform patch testing, as well as how to interpret test reactions and arrive at accurate diagnoses
- Characterizes allergens from the Standard 'Baseline' Series, the International Series, and the T.R.U.E. Test Series
- Profiles allergens such as metals, fragrances, medicaments, rubber chemicals, plant chemicals, hair and clothing dyes, excipients, and resins
- Contains case reports, clinical images, patch test tips, and more
- Features color-coded exposure templates for easy consultation
- Provides key pointers on how to take patient histories and handle challenging cases
- Introduces new concepts such as 'microhistory' and 'microexamination'
- Allows access to online supplementary material featuring CAS numbers, toxicology, immunology, prevalence rates, chemical structures, additional case reports, and more



OCTOBER 2019 384PP

978-1-119-40566-5 CL \$130.00 (Japan)

Dermatology

SEPTEMBER 2019

978-1-119-40570-2 [Wiley Online Library](#)

Dermatology at a Glance 2nd Edition

MAHBUB M. U. CHOWDHURY, RUWANI P. KATUGAMPOLA &
ANDREW Y. FINLAY
*University Hospital of Wales, Cardiff; University Hospital of Wales,
Cardiff; Cardiff University School of Medicine*

The market-leading at a Glance series is popular among healthcare students and newly qualified practitioners for its concise, simple approach and excellent illustrations. Each bite-sized chapter is covered in a double-page spread with clear, easy-to-follow diagrams, supported by succinct explanatory text. Covering a wide range of topics, books in the at a Glance series are ideal as introductory texts for teaching, learning and revision, and are useful throughout university and beyond.



SERIES: AT A GLANCE
OCTOBER 2019 168PP
978-1-119-39261-3 PB \$45.00 (Japan)
Dermatology

Harper's Textbook of Pediatric Dermatology, 2 Volume Set 4th Edition

Editor PROF. DR. PETER H. HOEGER, Editor DR. VERONICA KINSLER, Editor ALBERT C. YAN, Advisory Editor PROF. JOHN HARPER, Advisory Editor PROF. DR. ARNOLD P. ORANJE, Associate Editor CHRISTINE BODEMER, Associate Editor DR. MARGARITA LARRALDE, Associate Editor DAVID LUK, Associate Editor VIBHU MENDIRATTA & Associate Editor DIANA PURVIS

Children's skin is different. Maturation affects the epidermal barrier, the cutaneous microbiome, adnexal structures, vasculature, and transcutaneous absorption of drugs. The immature skin is more susceptible to pathogens and environmental disruption. Many genetic disorders are either present at birth or manifest early in childhood. Skin diseases thus present differently in children than in adults. Pediatric dermatology has seen significant advances over the last decade, particularly in the field of molecular genetics research, which has furthered our understanding of the pathogenesis of many skin diseases and the development of new approaches to treatment.



This fourth edition of the Harper classic provides state-of-the-art information on all aspects of skin disease in children. It covers the diagnosis and treatment of all conditions - both common and rare - with a consistently evidence-based approach. Existing content has been refreshed and fully updated to reflect emerging thinking and to incorporate the latest in research and clinical data - especially at the genetic level.

This new fourth edition includes:

- Greater focus on the genetics behind skin disease, including new genes/genodermatoses, progress in genetic analysis, and stem cell transplants
- Increased coverage of lasers and other technologies used to treat skin disease
- More summary tables, learning points, tables of differential diagnosis, and clinical algorithms for diagnosis and management
- Additional online features, including patient information links and multiple choice questions

Harper's Textbook of Pediatric Dermatology delivers crucial clinical insights and up-to-date research information that spans the breadth of the field. As the most comprehensive reference book on this subject available, this revised fourth edition will support and guide the daily practice of both dermatologists and pediatricians across the world.

OCTOBER 2019 2816PP
978-1-119-14219-5 CL \$415.00 (Japan)
Dermatology

SEPTEMBER 2019
978-1-119-14281-2 Wiley Online Library

Myasthenia in Children

SANDEEP JAYAWANT

Myasthenia is a rare, but underdiagnosed and sometimes life-threatening disorder in children. There are no guidelines for diagnosing and managing these children, especially those with congenital myasthenia, a more recently recognised genetic condition, but there have been significant developments in identification and treatment of myasthenia in recent years. This book will help clinicians and families of children with this rare condition direct management effectively.

Myasthenia in Children describes the various genotypes and phenotypes of congenital myasthenic syndromes, their clinical features and management. Autoimmune myasthenia gravis and newly recognised myopathies with neuromuscular transmission defects are also covered. The book includes a client perspective and is full of practical tips from carers, service users and therapists with a broad multi-disciplinary treatment approach. This book will guide future holistic management of this rare but life changing condition for some children and their families.

OCTOBER 2019 144PP

978-1-911612-29-2 CL \$80.00 (Japan)

Neurology

Rad Tech's Guide to Radiation Protection

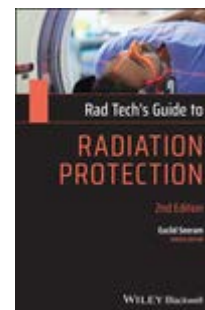
2nd Edition

EUCLID SEERAM

British Columbia Institute of Technology Medical Imaging, School of Health Sciences, Canada

The Rad Tech's Guides are specifically designed to cover the essential basics for those preparing for their certifying examinations and those already in practice.

- Fully updated, with additional content and illustrations
- Designed for student radiographers and MRI technologists, especially those undertaking the American Registry of Radiation Technologist (ARRT) examinations
- Easy to read text for quick referencing and smooth navigation
- Concise presentation with a quick-reference bullet format
- Pocket size – take it anywhere!



SERIES: RAD TECH'S GUIDES'

OCTOBER 2019 136PP

978-1-119-64083-7 PB \$50.00 (Japan)

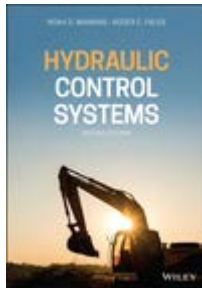
Radiology & Imaging

機械工学

Hydraulic Control Systems 2nd Edition

NOAH D. MANRING & ROGER C. FALES
Mechanical and Aerospace Engineering Department University of
Missouri - Columbia

This fully updated, second edition offers students and professionals a reliable and comprehensive guide to the hows and whys of today's hydraulic control system fundamentals. Complete with insightful industry examples, it features the latest coverage of modeling and control systems with a widely accepted approach to systems design. The book also offers all new information on: advanced control topics; auxiliary components (reservoirs, accumulators, coolers, filters); hybrid transmissions; multi-circuit systems; and digital hydraulics.



Chapters in Hydraulic Control Systems, 2nd Edition cover: fluid properties; fluid mechanics; dynamic systems and control; hydraulic valves, pumps, and actuators; auxiliary components; and both valve and pump controlled hydraulic systems. The book presents illustrative case studies throughout that highlight important topics and demonstrate how equations can be implemented and used in the real world. It also features end-of-chapter exercises to help facilitate learning. It is a powerful tool for developing a solid understanding of hydraulic control systems that will serve all practicing engineers in the field.

- Provides a useful review of fluid mechanics and system dynamics
- Offers thorough analysis of transient fluid flow forces within valves
- Adds all new information on: advanced control topics; auxiliary components; hybrid transmissions; multi-circuit systems; and digital hydraulics
- Discusses flow ripple for both gear pumps and axial piston pumps
- Presents updated analysis of the pump control problems associated with swash plate type machines
- Showcases a successful methodology for hydraulic system design
- Features reduced-order models and PID controllers showing control objectives of position, velocity, and effort

OCTOBER 2019 550PP
978-1-119-41647-0 CL \$130.00 (Japan)
Fluid Mechanics

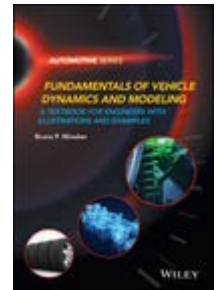
SEPTEMBER 2019
978-1-119-41852-8 [Wiley Online Library](#)

Fundamentals of Vehicle Dynamics and Modelling

A Textbook for Engineers With Illustrations and Examples

BRUCE P. MINAKER

Fundamentals of Vehicle Dynamics and Modeling is a student-focused textbook providing an introduction to vehicle dynamics, and covers the fundamentals of vehicle model development. It illustrates the process for construction of a mathematical model through the application of the equations of motion. The text describes techniques for solution of the model, and demonstrates how to conduct an analysis and interpret the results. A significant portion of the book is devoted to the classical linear dynamic models, and provides a foundation for understanding and predicting vehicle behaviour as a consequence of the design parameters.



Modeling the pneumatic tire is also covered, along with methods for solving the suspension kinematics problem, and prediction of acceleration and braking performance. The book introduces the concept of multibody dynamics as applied to vehicles and provides insight into how large and high fidelity models can be constructed. It includes the development of a method suitable for computer implementation, which can automatically generate and solve the linear equations of motion for large complex models.

Key features:

- Accompanied by a website hosting MATLAB® code.
- Supported by the Global Education Delivery channels.

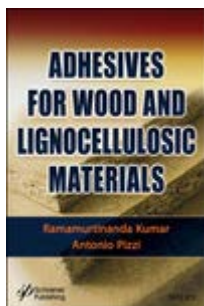
Fundamentals of Vehicle Dynamics and Modeling is an ideal textbook for senior undergraduate and graduate courses on vehicle dynamics.

SERIES: AUTOMOTIVE SERIES
OCTOBER 2019 300PP
978-1-118-98009-5 CL \$100.00 (Japan)
Automotive Engineering

Adhesives for Wood and Lignocellulosic Materials

RAMAMURTINANDA KUMAR & ANTONIO PIZZI
National Timber Research Institute, Pretoria, South Africa

The book is a comprehensive treatment of the subject covering a wide range of subjects uniquely available in a single source for the first time. A material science approach has been adopted in dealing with wood adhesion and adhesives. The approach of the authors was to bring out hierarchical cellular and porous characteristics of wood with polymeric cell wall structure, along with the associated non-cell wall extractives, which greatly influence the interaction of wood substrate with polymeric adhesives in a very unique manner not existent in the case of other adherends. Environmental aspects, in particular formaldehyde emission from adhesive bonded wood products, has been included. A significant feature of the book is the inclusion of polymeric matrix materials for wood polymer composites.



OCTOBER 2019 516PP

978-1-119-60543-0 CL \$225.00 (Japan)

Joining, Welding and Adhesion

JULY 2019

978-1-119-60558-4 [Wiley Online Library](#)

Glass-Ceramic Technology 3rd Edition

WOLFRAM HOLAND & GEORGE H. BEALL
Ivoclar Vivadent AG; Corning Incorporated

Glass-ceramic materials share many properties with both glass and more traditional crystalline ceramics. The revised third edition of Glass-Ceramic Technology offers a comprehensive and updated guide to the various types of glass-ceramic materials, the methods of development, and the myriad applications for glass-ceramics. Written in an easy-to-use format, the book includes an explanation of the new generation of glass-ceramics.



The updated third edition explores glass-ceramics new materials and properties and reviews the expanding regions for applying these materials. The new edition contains current information on glass/glass-ceramic forming in general and explores specific systems, crystallization mechanisms and products such as: ion exchange strengthening of glass-ceramics, glass-ceramics for mobile phones, new glass-ceramics for energy, and new glass-ceramics for optical and architectural application. It also contains a new section on dental materials and twofold controlled crystallization. This revised guide:

- Offers an important new section on glass/glass ceramic forming
- Includes the fundamentals and the application of nanotechnology as related to glass-ceramic technology
- Reviews the development of the various types of glass-ceramic materials
- Covers information on new glass-ceramics with new materials and properties and outlines the opportunities for applying these materials

Written for ceramic and materials engineers, managers, and designers in the ceramic and glass industry, the third edition of Glass-Ceramic Technology features new sections on Glass/Glass-Ceramic Forming and new Glass-Ceramics as well as expanded sections on dental materials and twofold controlled crystallization.

OCTOBER 2019 432PP

978-1-119-42369-0 CL \$195.00 (Japan)

Ceramics

AUGUST 2019

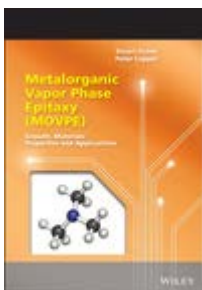
978-1-119-42373-7 [Wiley Online Library](#)

Metalorganic Vapor Phase Epitaxy (MOVPE)

Growth, Materials Properties and Applications

STUART IRVINE, PETER CAPPER, SAFA KASAP & ARTHUR WILLOUGHBY
BAE Systems Ltd, UK; University of Saskatchewan; University of Southampton

MOVPE is a chemical vapor deposition technique that produces single or polycrystalline thin films. As one of the key epitaxial growth technologies, it produces layers that form the basis of many optoelectronic components including mobile phone components (GaAs), semiconductor lasers and LEDs (III-Vs, nitrides), optical communications (oxides), infrared detectors, photovoltaics (II-IV materials), etc. Featuring contributions by an international group of academics and industrialists, this book looks at the fundamentals of MOVPE and the key areas of equipment/safety, precursor chemicals, and growth monitoring. It covers the most important materials from III-V and II-VI compounds to quantum dots and nanowires, including sulfides and selenides and oxides/ceramics.



Sections in every chapter of Metalorganic Vapor Phase Epitaxy (MOVPE): Growth, Materials Properties and Applications cover the growth of the particular materials system, the properties of the resultant material, and its applications. The book offers information on arsenides, phosphides, and antimonides; nitrides; lattice-mismatched growth; CdTe, MCT (mercury cadmium telluride); ZnO and related materials; equipment and safety; and more. It also offers a chapter that looks at the future of the technique.

- Covers, in order, the growth method, material properties, and applications for each material
- Includes chapters on the fundamentals of MOVPE and the key areas of equipment/safety, precursor chemicals, and growth monitoring
- Looks at important materials such as III-V and II-VI compounds, quantum dots, and nanowires
- Provides topical and wide-ranging coverage from well-known authors in the field
- Part of the Materials for Electronic and Optoelectronic Applications series

Metalorganic Vapor Phase Epitaxy (MOVPE): Growth, Materials Properties and Applications is an excellent book for graduate students, researchers in academia and industry, as well as specialist courses at undergraduate/postgraduate level in the area of epitaxial growth (MOVPE/ MOCVD/ MBE).

SERIES: WILEY SERIES IN MATERIALS FOR ELECTRONIC & OPTOELECTRONIC APPLICATIONS
OCTOBER 2019 424PP

978-1-119-31301-4 CL \$225.00 (Japan)

Optical and Non-Linear Optical Materials

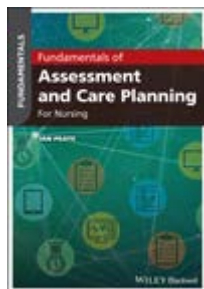
OCTOBER 2019

978-1-119-31302-1 [Wiley Online Library](#)

Fundamentals of Assessment and Care Planning for Nurses

PROFESSOR IAN PEATE OBE, Gibraltar
Professor of Nursing, Head of School, School of Health Studies,
Gibraltar. Editor in Chief British Journal of Nursing

All nursing students are required to meet the seven standards produced by the Nursing & Midwifery Council (NMC) before being entered onto the professional register. Fundamentals of Assessment and Care Planning for Nurses addresses two of these important standards, helping readers become proficient in assessing patient needs and planning, providing and evaluating care.



This timely publication adopts a practical approach with NMC proficiencies at its core, providing guidance and insight into the application of key skills and demonstrating competency in real-life settings.

- Centres around a fictitious nuclear family to provide a practical basis to the various chapters and assessment
- Offers mnemonics to enable comprehensive history taking and systematic physical assessment
- Helps readers address socio-cultural considerations they may face in practice
- Includes links to literature that provides further support and additional information

Fundamentals of Assessment and Care Planning for Nurses is an important resource for pre-registration nursing students and Nursing Associates who are required to demonstrate proficiency in the new NMC standards and other registered practitioners seeking to update their knowledge.

SERIES: FUNDAMENTALS
OCTOBER 2019 416PP

978-1-119-49175-0 PB \$50.00 (Japan)

Introductions to Nursing

Rapid Medicines Management for Nurses

PAUL DESLANDES, SIMON YOUNG & BEN PITCHER
University of South Wales; University of South Wales

Rapid Medicines Management for Healthcare Professionals is an accessible, easy-to-use reference guide to safe and effective use of medicines in clinical practice. Introducing readers to the key principles of pharmacology and medicines management, this book addresses the essential elements encountered in nursing practice.

Clear, concise chapters explain the principles of clinical pharmacology, examine the formulation, administration, and monitoring of medicines, outline the characteristics of common drugs, and explore practical considerations such as vaccinations and evidence-based medicine. Blank templates allow readers to create customised drug information sheets, whilst a glossary enables easy access to explanations of key pharmacological concepts and terminology.

- Offers quick reference to essential pharmacological knowledge
- Covers both pharmacological theory and real-world applications of managing medicines
- Includes practical information on commonly prescribed drugs
- Complements standard reference sources such as the British National Formulary (BNF)



Helping readers make informed medicines management decisions and render the best possible care, Rapid Medicines Management for Healthcare Professionals is a valuable resource for student and qualified nurses, as well as other healthcare professionals with an interest in medicine management.

SERIES: RAPID
OCTOBER 2019 200PP

978-1-119-39772-4 PB \$37.50 (Japan)

Introductions to Nursing

Fundamentals of Paramedic Practice

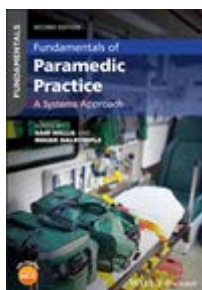
A Systems Approach

2nd Edition

SAM WILLIS & ROGER DALRYMPLE

University of Tasmania, Sydney, Australia; St Hugh's College, Oxford

Driven by changes to clinical practice, new evidence-based research, and shifts in global economics and politics, the field of paramedic science is rapidly evolving. This new edition of *Fundamentals of Paramedic Practice* offers students and recently qualified practitioners an accessible and comprehensive introduction to paramedic science and pre-hospital care, providing expert and up-to-date guidance on the essential theories and real-world practice of this dynamic area of emergency medicine.



SERIES: FUNDAMENTALS

OCTOBER 2019 304PP

978-1-119-46295-8 PB \$50.00 (Japan)

Acute, Critical & Emergency Care

Disney and Philosophy

Truth, Trust, and a Little Bit of Pixie Dust

RICHARD BRIAN DAVIS & WILLIAM IRWIN, *Wilkes-Barre, United States*

Tyndale University College in Toronto; Wilkes-Barre, Pennsylvania

- The first book dedicated to the philosophy of Disney, one of the largest media and cultural institutions of the 20th and 21st century
- Explores the philosophical questions around Disney's cultural production, from its theme parks, cartoons, television, and film to the global impact of its product and content
- Explores topics including Disney's feminist transformation, dilemmas of disability, hierarchy and equality in Disney's theme parks, the art of imagineering, Disney's intelligent machines, tolerance and inclusion in a world of differences, alienation and consumption at Disney World, and the philosophy of wonder
- Led by Richard B. Davis, seasoned editor of *Alice and Wonderland and Philosophy*
- Enriches favorite Disney and Pixar moments and characters—including *Mulan*, *Moana*, *Goofy*, *Sleeping Beauty*, *Wall-E* and the cast of *Toy Story*—with new meaning and fun ahead of the release of Disney's highly-anticipated *Frozen 2*

SERIES: THE BLACKWELL PHILOSOPHY AND POP CULTURE SERIES

OCTOBER 2019 304PP

978-1-119-53831-8 PB \$19.95 (Japan)

Introductions to Philosophy

SEPTEMBER 2019

978-1-119-53837-0 [Wiley Online Library](#)

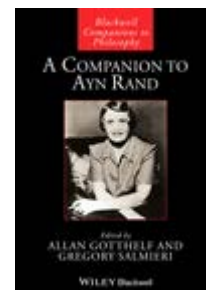
A Companion to Ayn Rand

Editor ALLAN GOTTHELF & Editor GREGORY SALMIERI

University of Pittsburgh; University of North Carolina, Chapel Hill

The first volume to offer a comprehensive scholarly treatment of Rand's entire corpus (including her novels, her philosophical essays, and her analysis of the events of her times), this Companion provides vital orientation and context for scholars and educated readers grappling with a controversial and understudied thinker whose enduring influence on American (and world) culture is increasingly recognized.

- The first publication to provide an in-depth scholarly treatment ranging over the whole of Rand's corpus
- Provides informed contextual analysis for scholars in a variety of disciplines
- Presents original research on unpublished material and drafts from the Rand archives in California
- Features insightful and fair-minded interpretations of Rand's controversial positions



SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

OCTOBER 2019 544PP

978-1-119-09902-4 PB \$45.00 (Japan)

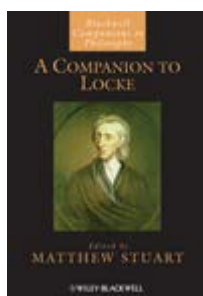
Ethics

A Companion to Locke

Editor **MATTHEW STUART**
Bowdoin College, USA

This collection of 28 original essays examines the diverse scope of John Locke's contributions as a celebrated philosopher, empiricist, and father of modern political theory.

- Explores the impact of Locke's thought and writing across a range of fields including epistemology, metaphysics, philosophy of science, political theory, education, religion, and economics
- Delves into the most important Lockean topics, such as innate ideas, perception, natural kinds, free will, natural rights, religious toleration, and political liberalism
- Identifies the political, philosophical, and religious contexts in which Locke's views developed, with perspectives from today's leading philosophers and scholars
- Offers an unprecedented reference of Locke's contributions and his continued influence



READERSHIP: Students and scholars of Locke, 17th Century philosophy, History of Modern Philosophy and History of Modern Political Thought.

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY
OCTOBER 2019 544PP

978-1-119-10990-7 PB \$45.00 (Japan)

17th & 18th Century Philosophy

Correspondence

1923 - 1966

THEODOR W. ADORNO, SIEGFRIED KRACAUER & Translator
SUSAN HALSTEAD
Frankfurt School

Theodor W. Adorno and Siegfried Kracauer were two of the most influential philosophers and cultural critics of the 20th century. While Adorno became the leading intellectual figure of the Frankfurt School, Kracauer's writings on film, photography, literature and the lifestyle of the middle classes opened up a new and distinctive approach to the study of culture and everyday life in modern societies.

This volume brings together for the first time the long-running correspondence between these two major figures of German intellectual culture. As left-wing German Jews who were forced into exile with the rise of Nazism, Adorno and Kracauer shared much in common, but their worldviews were in many ways markedly different. These differences become clear in a correspondence that ranges over a great diversity of topics, from the nature of criticism and the meaning of utopia to the work of their contemporaries, including Bloch, Brecht and Benjamin. Where Kracauer embraced the study of new mass media, above all film, Adorno was much more sceptical. This is borne out in his sharp criticism of Kracauer's study of the composer Offenbach, which Adorno derided as musically illiterate, as well as his later criticism of Kracauer's Theory of Film. Exposing the very different ways that both men were grappling intellectually with the massive transformations of the 20th century, these letters shed fresh light on the principles shaping their work at the same time as they reveal something of the intellectual brilliance and human frailties of these two towering figures of 20th century thought.

This unique volume will be of great value to anyone interested in critical theory and in 20th century intellectual and cultural history.

READERSHIP: Graduates and academics in sociology and social theory, cultural studies and cultural theory, literary theory, philosophy

OCTOBER 2019 450PP

978-0-7456-4923-8 CL \$45.00 (Japan)

20th Century Philosophy



Running For Local Office For Dummies

TA/TK DUMMIES, Hoboken, United States

In the land of opportunity, just about anyone who qualifies as an elector can seek public office. Some do it on a whim, some are urged to run, and some want to use their time and talents to make a difference in their local community.

If you want to know how to prepare for a run, which steps to take beforehand, and how the process goes from announcement to campaigning to election day to the swearing-in ceremony--this book has you covered.



- Find out what it's like to run for local office as a first-time candidate
- Explore the introspection required and the study necessary to make such a run effective
- Deal with marketing, fundraising, interacting with the public, and dealing with opponents
- Encourage and help others to make a run for local office

Though only one person ultimately wins a seat, nobody does it without a wide network of support. *Running For Local Office For Dummies* is your ticket to navigating every step on the road to winning that election.

OCTOBER 2019 352PP

978-1-119-58817-7 PB \$22.99 (Japan)

General & Introductory Political Science

The Wiley Handbook on What Works in Offenders with Intellectual and Developmental Disabilities

Theory, Research and Practice

WILLIAM R. LINDSAY, LEAM A. CRAIG & DOROTHY GRIFFITHS

The State Hospital, NHS Tayside and University of Abertay Dundee, Dundee, UK; Forensic Psychology Practice Ltd, UK

Written by a team of international experts, this comprehensive and informative book provides a contemporary picture of evidence-based practice for offenders with intellectual and developmental disabilities. By adopting a scientist-practitioner position directed at an academic level with practitioner guidelines, it provides a valuable reference source for professionals from allied disciplines who are using or seeking to apply research for this client group.

The Wiley Handbook of What Works for Offenders with Intellectual and Developmental Disabilities: An Evidence Based Approach to Theory, Assessment and Treatment is divided into five sections: Introduction, Phenotypes & Genotypes and Offending Behavior, Validated Assessments, Treatment, and Conclusions. The Introduction offers an overview of the entire book and is followed by a second overview covering the ethics of evidence-based practice. After that come chapters on protecting the rights of people with intellectual disabilities in correctional settings, and behavioral and cognitive phenotypes in genetic disorders associated with offending. The third part of the book studies the assessment of individuals with anger and violence issues, inappropriate sexual behavior, alcohol abuse, and emotional difficulties. Next comes a section that looks how to offenders can be treated. The final section discusses future directions and requirements for offenders with intellectual and developmental disabilities.

- Provides an overview of the ethical challenges and issues faced by those who work with intellectually and developmentally disabled offenders
- Focuses on proof of treatment effectiveness and validation of assessment methods to direct readers toward "What Works"
- Features contributions from authors across the entire English-speaking world including the UK, US, Canada, Australia, and New Zealand

The Wiley Handbook of What Works for Offenders with Intellectual and Developmental Disabilities: An Evidence Based Approach to Theory, Assessment and Treatment will appeal to all who work in the field of offenders with intellectual and developmental disabilities, including nursing staff, social workers and probation officers, medical and psychology staff, and more.

OCTOBER 2019 320PP

978-1-119-31625-1 CL \$160.00 (Japan)

Forensic Psychology

OCTOBER 2019

978-1-119-31626-8 **Wiley Online Library**

ポリマーサイエンス

Liquid Silicone Rubber
Chemistry, Materials, and
Processing

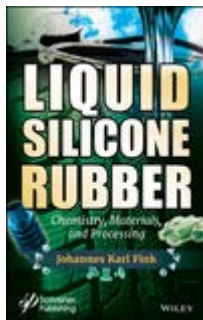
JOHANNES KARL FINK

OCTOBER 2019 324PP

978-1-119-63133-0 CL \$195.00

(Japan)

Polymer Science & Technology General



JULY 2019

978-1-119-63140-8 **Wiley Online Library**

Buddhism For Dummies REFRESH 2nd Edition

JONATHAN LANDAW, STEPHAN BODIAN & GUDRUN
BUHNEMANN

Buddhism, one of the world's most widely practiced religions, is a fascinating yet complex eastern religion that is rapidly spreading throughout western civilization. What does it mean to be a Buddhist? What are the fundamental beliefs and history behind this religion? Buddhism For Dummies explores these questions and more in this updated guide to Buddhist culture. You'll gain an understanding of the origins of this ancient practice and how they're currently applied to everyday life.

Whether you're a searcher of truth, a student of religions, or just curious about what makes Buddhism such a widely practiced religion, this guide is for you. In plain English, it defines the important terms, explains the key concepts, and explores in-depth a wide range of fascinating topics.

- New and expanded coverage on all the schools of Buddhism, including Theravada, Tibetan, and Mahayana
- The continuing relevance of the Dalai Lama
- Updated coverage on daily observances, celebrations, styles, practices, meditation, and more

Continuing the Dummies tradition of making the world's religions engaging and accessible to everyone, Buddhism For Dummies is your essential guide to this fascinating religion.

Buddhism For Dummies (9781119643265) was previously published as Buddhism For Dummies (9781118023792). 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.

OCTOBER 2019 384PP

978-1-119-64326-5 PB \$22.99 (Japan)

Buddhism

Islam For Dummies REFRESH

MALCOLM CLARK

Many non-Muslims have no idea that Muslims worship the same God as Christians and Jews, and that Islam preaches compassion, charity, humility, and the brotherhood of man. And the similarities don't end there. According to Islamic teaching, Muhammad founded Islam in 610 CE after the angel Gabriel appeared to him at Mecca and told him that God had entered him among the ranks of such great biblical prophets as Abraham, Moses, and Christ.

Whether you live or work alongside Muslims and want to relate to them better, or you simply want to gain a better understanding of the world's second largest religion, Islam For Dummies can help you make sense of this religion and its appeal. From the Qur'an to Ramadan, this friendly guide introduces you to the origins, practices and beliefs of Islam, including:

- Muhammad, the man and the legend
- The Five Pillars of Wisdom
- The Five Essentials beliefs of Islam
- The different branches of Islam and Islamic sects
- The Qur'an and Islamic law
- Islam throughout history and its impact around the world

Professor Malcolm Clark explores the roots of Islam, how it has developed over the centuries, and it's long and complex relationship with Christianity. He helps puts Islam in perspective as a major cultural and geopolitical force. And he provided helpful insights into, among other things:

- Muhammad, the Qur'an and the ethical teachings of Islam
- Muslim worship, customs, and rituals surrounding birth, marriage, and death
- Shi'ites, Sunnis, Sufis, Druze, and other important Muslim groups
- Islam in relation to Judaism and Christianity

In these troubled times, it is important that we try to understand the belief systems of others, for through understanding comes peace. Islam For Dummies helps you build bridges of understanding between you and your neighbors in the global village.

Islam For Dummies (9781119642978) was previously published as Islam For Dummies (9780764555039). 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.

OCTOBER 2019 384PP

978-1-119-64297-8 PB \$22.99 (Japan)

Islam

Digital Social Research

GIUSEPPE A. VELTRI

To analyse social and behavioral phenomena in our digitalized world, it's necessary to understand the main research opportunities and challenges specific to online and digital social research. This book presents an overview of the many techniques that are part of the fundamental toolbox of the digital social scientist.



Placing online methods within the wider tradition of social research methods, Giuseppe Veltri discusses the methodological principles and related frameworks that underlie each technique of digital research. This useful guide covers methodological issues such as different digital data types, sampling for big data, construct validity, and representativeness. It looks at different forms of unobtrusive data collection methods (web scraping, social media mining) as well as obtrusive methods (qualitative methods, web surveys, and experiments). Special attention is given to three key analytical approaches, explored in more detail: computational approaches to statistical analysis, text mining, and network analysis.

READERSHIP: upper-level undergraduate and graduate students taking courses in digital sociology, computational social science, and research methods courses which engage digital methods

OCTOBER 2019 224PP

978-1-5095-2930-8 CL \$69.95 (Japan)

Research Methodologies

OCTOBER 2019 224PP

978-1-5095-2931-5 PB \$24.95 (Japan)

Research Methodologies

Why Austerity Persists

JON SHEFNER & CORY BLAD

In the wake of the 2008 crisis, many nations in the Global North turned to austerity policies in an effort to resolve financial ills. What many failed to recognize is the longer history and varied pattern of such policies in the Global South over the preceding decades – policies which had largely proven to fail.



In this book, Shefner and Blad trace the 45-year history of austerity policies and how they became the go-to policy to resolve a host of economic problems. The authors use a variety of cases from the Global North and South to address how austerity has been implemented, who has been hurt, and who has benefited. The authors argue that because the powers that impose austerity have changed over time, the policy has been used to address different kinds of crises, making states and polities responsible for a variety of errors and misdeeds of private actors. The book answers a number of important questions: why austerity persisted as a policy aimed at resolving national crises, despite evidence that it often does not work; how the policy itself evolved over recent decades; and who and what the powerful people and institutions are that have helped impose it across the globe.

READERSHIP: advanced undergraduate and graduate students of sociology, globalization studies, political economy, developments studies and geography.

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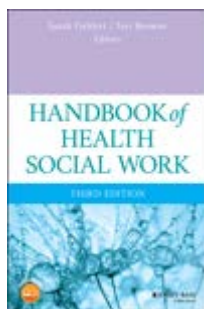
ソーシャルサイエンス

Handbook of Health Social Work

3rd Edition

SARAH GEHLERT, *St. Louis* & TERI BROWNE, *Columbia*
University of Chicago, Chicago, IL; University of Chicago, Chicago, IL

Thoroughly revised and updated, the third edition of *Handbook of Health Social Work* is an authoritative text that offers a comprehensive review of the diverse field of health social work. With contributions from a panel of international experts in the field, the book is theory driven and solidly grounded in evidence-based practice. The contributors explore both the foundation of social work practice and offer guidance on effective strategies, policies, and program development.



The text provides information that is essential to the operations of social workers in health care including the conceptual underpinnings and the development of the profession. The authors explore the practice issues such as theories of health behavior, assessment, communication and the intersections between health and mental health. The authors also examine a wide range of examples of social work practices including settings that involve older adults, nephrology, oncology, and chronic diseases such as diabetes, heart disease, HIV/AIDS, genetics, end of life care, pain management and palliative care, as well as alternative treatments, and traditional healers. This is the only handbook of its kind to unite the body of health social work and:

- Offers a wellness, rather than psychopathological perspective and contains treatment models that are evidence-based
- Includes learning exercises, further resources, research suggestions, and life-course information.
- Contains new chapters on topics such as international health, insurance and payment systems, and implementation of evidence-based practice
- Presents information on emerging topics such as health policy in an age of reform, and genomics and the social environment
- Reviews new trends in social work and health care including genetics, trans-disciplinary care, and international, national, and state changes in policy

Written for social work educators, administrators, students, and practitioners, the revised third edition of *Handbook of Health Social Work* offers in one volume the entire body of health social work knowledge.

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Social Work

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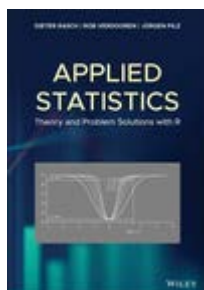
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Applied Statistics Theory and Problem Solutions with R

DIETER RASCH

University of Natural Resources and Applied Life Sciences, Austria

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- Includes 300 different procedures with R and examples with R-programs for the analysis and for determining minimal experimental sizes

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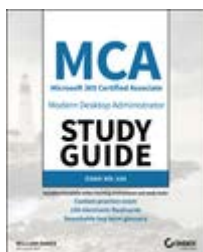
テストプレップ

MCA Modern Desktop Administrator Study Guide

Exam MD-100

WILLIAM PANEK

The new Microsoft 365 Certified Associate (MCA) Modern Desktop certification exam measures a candidate's ability to deploy Windows, manage devices and data, configure connectivity, and maintain Windows. MCA certification, sought by a growing number of employers, is an important part of any IT professional's resume.



The MCA Modern Desktop Administrator Study Guide: Exam MD-100 is a must-have book for anyone preparing for certification. This clear and accurate study guide covers 100% of exam objectives--providing hands-on exercises, challenging review questions, full explanations, and real-world examples. From the intricacies of Windows deployment to advanced security and enterprise capabilities, each chapter explains everything candidates need to know for passing the exam and earning MCA certification. This accurate, up-to-date study guide is designed to prepare administrators to deploy, configure, secure, manage, and monitor devices and client applications in an enterprise environment. Access to Sybex's comprehensive online learning environment--comprising a self-assessment test, a bonus practice exam, flashcards, a searchable glossary, and chapter exercise videos--is included to fully prepare for exam day. This study guide:

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- Helps readers learn new skills or upgrade existing skills to Microsoft's latest desktop client

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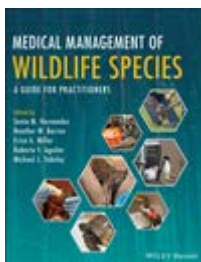
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Medical Management of Wildlife Species

A Guide for Veterinary Practitioners

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This book offers an all-encompassing resource for reliable information on the medical management of wild birds, mammals, amphibians, and turtles. Focusing on the medical information relevant to the wildlife setting, it covers triage, emergency care, and other key considerations in handling, diagnosing, and treating wild animals. The book's population-based approach encourages practitioners to understand individual animal care within the broader context.



Medical Management of Wildlife Species: A Guide for Practitioners begins with a brief summary of natural history, and introductory chapters address general topics such as pre-release conditioning, post-release monitoring, and legal issues associated with handling wildlife species. Species-specific chapters provide practical information on medical management, including the most prevalent concerns for each species and the epidemiology of infectious diseases.

- Provides a complete reference to handling, diagnosing, and treating wild species
- Covers the full range of North American wildlife
- Includes concepts that can be applied to species globally
- Emphasizes information relevant to the wildlife setting
- Focuses on individual medicine, firmly grounded within population medicine for a broader approach
- Targeted at wildlife veterinarians, veterinary clinicians that will be presented with wildlife, veterinary technicians, and wildlife rehabilitators

Medical Management of Wildlife Species is a must-have addition to the bookshelf of wildlife veterinarians and any veterinarian seeing occasional wild animals, as well as wildlife biologists and researchers.

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Veterinary Medicine - Zoo & Wildlife

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