

# JAPAN PREVIEW

December 2019



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WILEY

**Nickel Catalysis in Organic Synthesis**

Methods and Reactions

有機合成におけるニッケル触媒 — 方法と反応

Editor *SENSUKE OGOSHI*

P21

**Machine Learning for Future Wireless Communications**

*FA-LONG LUO*

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**Satellite Communications**

3rd Edition

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P39

**Weathering of PV Modules**

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P42

**Yamada's Handbook of Gastroenterology**

4th Edition

Editor *TADATAKA YAMADA*, Editor *JOHN M. INADOMI*, Contributions by *RENUKA BHATTACHARYA*, Contributions by *JASON A. DOMINITZ* & Contributions by *JOO HA HWANG*

P56

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8rd Edition

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**Surface Science**

Foundations of Catalysis and Nanoscience

4th Edition

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P61

**Surface and Interface Science**

Volume 9: Applications I / Volume 10: Applications II

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**The Wiley Blackwell Handbook of the Psychology of Positivity and Strengths-Based Approaches at Work**

Editor *LINDSAY G. OADES*, Editor *MICHAEL STEGER*, Editor *ANTONELLE DELLE FAVE* & Editor *JONATHAN PASSMORE*

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## JAPAN PREVIEW

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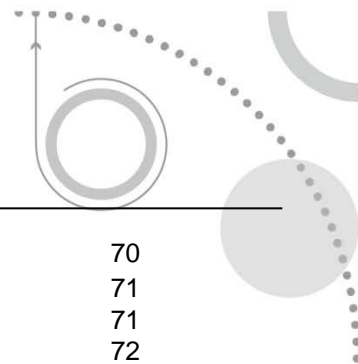
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## 会計学

**AICPA Professional Standards  
2019****Volumes 1 and 2**

AICPA



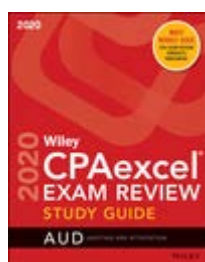
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DECEMBER 2019 3728PP

**978-1-950688-02-9 PB \$249.00 (Japan)***Auditing / External***Wiley CPAexcel Exam Review 2020  
Study Guide****Auditing and Attestation**

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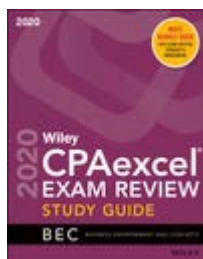


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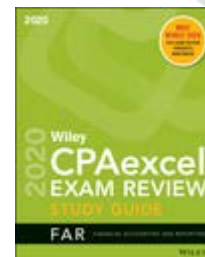


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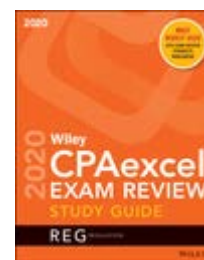


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Study Guide****Regulation**

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OCTOBER 2019 700PP

**978-1-119-63196-5 PB \$100.00****(Japan)***CPA / Review*

農業

## Horticultural Reviews

Volume 47

IAN WARRINGTON

DECEMBER 2019 300PP

**978-1-119-62533-9** CL \$245.00

(Japan)

*Horticulture*



DECEMBER 2019

**978-1-119-62540-7** [Wiley Online Library](#)



## 人類学

**Race****Are We So Different?****2nd Edition**

ALAN H. GOODMAN, YOLANDA T. MOSES & JOSEPH L. JONES

Hampshire College, USA; University of California, Riverside, USA; University of Massachusetts Amherst, USA

In this fully-updated second edition of this popular text on the anthropological study of race, Alan Goodman, Yolanda Moses, and Joseph Jones take a timely look at modern ideas surrounding race, racism and human diversity and consider the ways that ideas about race have changed over time. New material in the second edition covers recent history and emerging topics in the study of race. The second edition has also been updated to account for advancements in the study of human genetic variation, which provide further evidence that race is an entirely social phenomenon. RACE compels readers to carefully consider their own ideas about race and the role that race plays in the world around them.



- Examines the ways perceptions of race influence laws, customs, and social institutions in the US and around the world
- Explores the impact of race and racism on health, wealth, education, and other domains of life
- Includes guest essays by noted scholars, a complete bibliography, and a full glossary
- Stands as an ideal text for courses on race, racism, and cultural and economic divides Combines insights and examples from science, history, and personal narrative
- Includes engaging photos, illustrations, timelines, and diagrams to illustrate important concepts

DECEMBER 2019 290PP

**978-1-119-47247-6 PB \$32.95 (Japan)**

*Anthropology of Race, Ethnicity & Identity*

## **A Companion to the Anthropology of Environmental Health**

Editor MERRILL SINGER

University of Connecticut, USA

A Companion to the Anthropology of Environmental Health presents a collection of readings that utilize a medical anthropological approach to explore the interface of humans and the environment in the shaping of health and illness around the world.

- Features the latest ethnographic research from around the world related to the multiple impacts of the environment on health and of societies on their environments
- Includes contributions from international medical anthropologists, conservationists, environmental experts, public health professionals, health clinicians, and other social scientists
- Analyzes the conditions of cultural and social transformation that accompany environmental and ecological impacts in all areas of the world
- Offers critical perspectives on theoretical and methodological advancements in the anthropology of environmental health, along with future directions in the field



SERIES: WILEY BLACKWELL COMPANIONS TO ANTHROPOLOGY

DECEMBER 2019 576PP

**978-1-119-09665-8 PB \$54.95 (Japan)**

*Medical Anthropology*

## 建築学

## Exercises in Building Construction 7th Edition

EDWARD ALLEN, *South Natick, United States* & JOSEPH IANO, *Seattle*

Fundamentals of Building Construction, Seventh Edition, involves students in the types of everyday issues faced by professional building architects. Exercises in Building Construction, Seventh Edition offers students a hands-on way to apply material learned in the core book by featuring:

- Forty-nine real world construction problems
- Clear instructions for each exercise
- Informative, concise illustrations
- Ample space to work out answers



Complete with online resources for students and instructors, Exercises in Building Construction, Seventh Edition provides expert developmental guidance from the industry's leading authorial team.

DECEMBER 2019 176PP

**978-1-119-59727-8 PB \$41.50 (Japan)**

*Building Design*

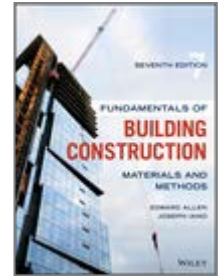
## Fundamentals of Building Construction Materials and Methods 7th Edition

EDWARD ALLEN, *South Natick, United States* & JOSEPH IANO, *Seattle*

Edward Allen and Joseph Iano's Fundamentals of Building Construction has been the go-to reference for thousands of professionals and students of architecture, engineering, and construction technology for over thirty years. The materials and methods described in this new Seventh Edition have been thoroughly updated to reflect the latest advancements in the industry. Carefully selected and logically arranged topics--ranging from basic building methods to the principles of structure and enclosure--help readers gain a working knowledge of the field in an enjoyable, easy-to-understand manner. All major construction systems, including light wood frame, mass timber, masonry, steel frame, light gauge steel, and reinforced concrete construction, are addressed.

This Seventh Edition includes:

- 125 new or updated illustrations and photographs, as well as 40 new photorealistic renderings
- The latest in construction project delivery methods, construction scheduling, and trends in information technology affecting building design and construction
- Updated discussion of the latest LEED and Living Building Challenge sustainability standards along with expanded coverage of new methods for assessing the environmental impacts of materials and buildings
- Expanded coverage of mass timber materials, fire resistance of mass timber, and the design and construction of tall wood buildings
- Revised end-of-chapter sections, including references, websites, key terminology, review questions, and exercises
- Fully-updated collection of best-in-class ancillary materials: PowerPoint lecture slides, Instructor's Manual, Test Bank, Interactive Exercises, and more
- Companion book, Exercises in Building Construction, available in print and eBook format



DECEMBER 2019 944PP

**978-1-119-44619-4 CL \$135.00 (Japan)**

*Building Design*

## ビジネス

**Stay Positive****Encouraging Quotes and Messages to Fuel Your Life with Positive Energy**

JON GORDON, *Ponte Vedra Beach, United States* & DANIEL DECKER

Stay Positive is more than a book of positive quotes. This book is a resource—one you can turn to each day to help you improve your career, your relationships, and your life. The power of positive thoughts is not about being fake or Pollyanna Positive; it's the real stuff that makes a proven difference in our perspective and our lives. By cultivating positive thoughts, we can overcome challenges, neutralize negativity, and conquer adversity. To truly embrace positivity, and reap all of its immeasurable benefits, we must look within ourselves. Everything starts there. Pessimists don't change the world. Throughout history, we see that it's the optimists, the believers, the dreamers, the doers, and the positive leaders who change the world.

The more positivity we develop on the inside, the stronger and more resilient we become on the outside. Positivity is like any other muscle: it can either be strengthened through conscious effort, or it can atrophy from neglect. No one understands this better than Jon Gordon. Author of seven bestsellers, Gordon has inspired millions of people around the world to have the belief, resilience, positivity, and optimism to overcome challenges. In this engaging book, Gordon and his coauthor Daniel Decker share powerful insights on the things that make a proven difference in our perspectives and our lives. Stay Positive will help you:

- Build positivity within yourself
- Share your positivity with those around you
- Harness the power of resilience in all aspects of your life
- Find daily inspiration in all you do

The simple and powerful messages of encouragement in Stay Positive make this book a must-read for anyone wanting to inject a healthy dose of positivity into their life.

DECEMBER 2019 UnknownPP

**978-1-119-43023-0 CL \$20.00 (Japan)**

*Business Self-Help*

## **The Self-Reliant Entrepreneur**

### **366 Daily Meditations to Feed Your Soul and Grow Your Business**

JOHN JANTSCH

The Self-Reliant Entrepreneur offers overworked and harried entrepreneurs, and anyone who thinks like one, a much-needed guide for tapping into the wisdom that is most relevant to the entrepreneurial life. The book is filled with inspirational meditations that contain the thoughts and writings of notable American authors. Designed as a daily devotional, it is arranged in a calendar format, and features readings of transcendentalist literature and others.

Each of The Self-Reliant Entrepreneur meditations is followed by a reflection and a challenging question from John Jantsch. He draws on his lifetime of experience as a successful coach for small business and startup leaders to offer an entrepreneurial context. Jantsch shows how entrepreneurs can learn to trust their ideas and overcome the doubt and fear of everyday challenges. The book contains:

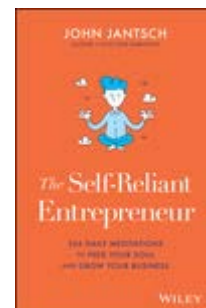
- A unique guide to meditations, especially designed for entrepreneurs
- A range of topics such as self-awareness, trust, creativity, resilience, failure, growth, freedom, love, integrity, and passion
- An inspirational meditation for each day of the year. . . including leap year
- Reflections from John Jantsch, small business marketing expert and the author of the popular book Duct Tape Marketing

Written for entrepreneurs, as well anyone seeking to find a deeper meaning in their work and life, The Self-Reliant Entrepreneur is a practical handbook for anyone seeking to embrace the practice of self-trust.

DECEMBER 2019 400PP

**978-1-119-57977-9 CL \$25.00 (Japan)**

*Business Self-Help*



## Information Governance

### Concepts, Strategies and Best Practices

#### 2nd Edition

ROBERT F. SMALLWOOD, *San Ysidro*

Information Governance is a highly practical and deeply informative handbook for the implementation of effective Information Governance (IG) procedures and strategies. A critical facet of any mid- to large-sized company, this "super-discipline" has expanded to cover the management and output of information across the entire organization; from email, social media, and cloud computing to electronic records and documents, the IG umbrella now covers nearly every aspect of your business. As more and more everyday business is conducted electronically, the need for robust internal management and compliance grows accordingly. This book offers big-picture guidance on effective IG, with particular emphasis on document and records management best practices. Step-by-step strategy development guidance is backed by expert insight and crucial advice from a leading authority in the field. This new second edition has been updated to align with the latest practices and regulations, providing an up-to-date understanding of critical IG concepts and practices.

- Explore the many controls and strategies under the IG umbrella
- Understand why a dedicated IG function is needed in today's organizations
- Adopt accepted best practices that manage risk in the use of electronic documents and data
- Learn how IG and IT technologies are used to control, monitor, and enforce information access and security policy

IG strategy must cover legal demands and external regulatory requirements as well as internal governance objectives; integrating such a broad spectrum of demands into workable policy requires a deep understanding of key concepts and technologies, as well as a clear familiarity with the most current iterations of various requirements. Information Governance distills the best of IG into a primer for effective action.

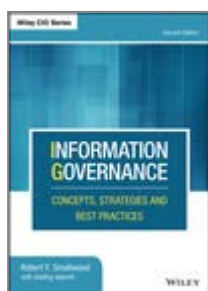
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JANUARY 2020 480PP

**978-1-119-49144-6 CL \$95.00 (Japan)**

*Business Technology*

NOVEMBER 2019

**978-1-119-49142-2** [Wiley Online Library](#)



## Supertrends in Technology

### 50 Things You Need to Know About the Future

LARS TVEDE, *Denmark*

*The Fantastic Corporation, Zug, Switzerland*

Supertrends In Technology: 50 Things You Need to Know About the Future is about how efficient futurists work, and how we can expect the world to evolve in terms of demographics, general economics, technologies, business models, resources, environment and lifestyles.

This book addresses how to predict the future, what we can expect from it, and how companies and government should adapt to the accelerating change, and will also:

- Explain the core principles of efficient forecasting
- List a number of underlying drivers and recurring social patterns which help explain and predict events
- Shows how companies and governments can become more future-proof by adopting new and innovative management principles
- Introduce new technologies and how they will be applied.

DECEMBER 2019 256PP

**978-1-119-64683-9 PB \$19.00 (Japan)**

*Business Technology*



## Information, Knowledge and Agile Creativity

STEPHANE GORIA, *PIERRE HUMBERT & BENOIT ROUSSEL*

DECEMBER 2019 284PP

**978-1-78630-402-5 CL \$145.00 (Japan)**

*Creativity & Innovation Management*

## Management of Extreme Situations

### From Polar Expeditions to Exploration Innovations

PASCAL LIEVRE, *MONIQUE AUBRY & GILLES GARAL*

DECEMBER 2019 442PP

**978-1-78630-129-1 CL \$165.00 (Japan)**

*Creativity & Innovation Management*

## Tips, Tricks, Foreclosures, and Flips of a Millionaire Real Estate Investor

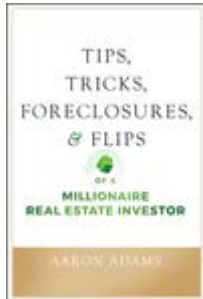
AARON ADAMS

Tips, Tricks, Foreclosures, & Flips of a Millionaire Real Estate Investor features ideas and techniques from millionaire real estate investor Aaron Adams. Inside, he details the strategies he's repeatedly used to make money--and shows you how to do the same.

Incorporating advice from Adams's mentors and experienced investors who taught him the pros and cons of investing, he details how he learned to pick an individualized strategy based on where he was living. . . so that you can do the same.

- Harness the techniques that have made Aaron Adams millions
- Discover insiders' tips on real estate investment
- Implement proven strategies with cash rewards
- Get started right away with confidence

For those with real estate investing experience, this book offers new ways to use old ideas in the contemporary market--backed by Adams's experience purchasing hundreds of properties over the years.



DECEMBER 2019 208PP

**978-1-119-62591-9 PB \$25.00 (Japan)**

*Property & Real Estate*

## Category Creation

**How to Build a Brand that Customers, Employees, and Investors Will Love**

ANTHONY KENNADA & Foreword by BRIAN HALLIGAN,  
Cambridge

There is no such thing as an original idea anymore -- right? Actually, it turns out that the world's most innovative companies have created so much more than just brand new products and technology. They've created entirely new market categories. The challenge is that successfully building new categories requires a perfect storm of luck and timing.

Or does it? Category Creation is the first and only book on the topic written by executives and marketers actively building new categories. It explains how category creation has become the Holy Grail of marketing, and more importantly, how it can be planned and orchestrated. It's not about luck. You can use the same tactics that other category-defining companies have used to delight customers, employees, and investors. There's no better strategy that results in faster growth and higher valuations for the company on top.

Author Anthony Kennada, former Chief Marketing Officer at Gainsight, explains how he led Gainsight in creating the "customer success" category, and shares success stories from fellow category-creators like Salesforce, HubSpot and others. It requires much more than just having the best product. You have to start and grow a conversation that doesn't yet exist, positioning a newly discovered problem in addition to your company and product offerings. The book explains the 7 key principles of category creation, including the importance of creating a community of early adopters who will rally around the problem they all share--especially if someone will lead them.

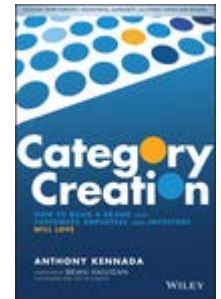
- Identify the "go" and "no go" signals for category creation in your business
- Activate customers and influencers as brand ambassadors
- Grow a community by investing in live events and experiences
- Prove the impact of category creation investments on growth, customer success, and company culture

Written for entrepreneurs, marketers, and executives from startups to large enterprises, Category Creation is the exclusive playbook for building a category defining brand in the modern economy.

DECEMBER 2019 240PP

**978-1-119-61156-1 CL \$34.00 (Japan)**

*Business & Management Special Topics*



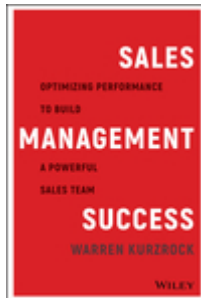


## Sales Management Success

### Optimizing Performance to Build a Powerful Sales Team

WARREN KURZROCK

Sales Management Success: Optimizing Performance to Build a Powerful Sales Team contains a leading-edge training program that is filled with state-of-the-art approaches specifically designed for sales managers. Drawing on the author's experience as the CEO of Porter Henry & Co. (the oldest sales-force training company in the world), Warren Kurzrock details the 8 most critical abilities and strategies in the sales manager's job. The Porter Henry process has proven to routinely help teams and individuals multiply their bottom-line results.



While all major companies provide basic orientations for new sales managers, these sessions are usually focused on policy, procedure, product, and marketing information. Most companies spend huge amounts of money on sales training new employees but do little for sales manager development. Written for sales executives in an appealing, upbeat tone, the book is well-grounded in research and real-world experience, as well as proven ideas and tools. The 8 strategies are supported with illustrative examples and quotes from successful sales executives. This must-have book:

- Contains the most up-to-date strategies for sales executives
- Offers compelling real-world examples
- Includes the ideas and tools that can be put into action immediately
- Draws on the experience of the CEO of Porter Henry & Co.
- Reinforces the immediate application and learning with assessments, exercises, professional toolbox

Sales Management Success: Optimizing Performance to Build a Powerful Sales Team offers a well-organized, real-world process for today's sales leader to meet the challenge of a most challenging, chaotic job.

DECEMBER 2019 240PP

**978-1-119-57592-4 CL \$25.00 (Japan)**

*Business & Management Special Topics*

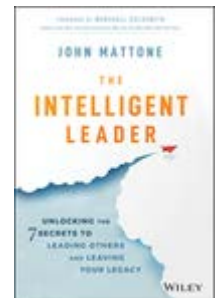
## The Intelligent Leader

### Unlocking the 7 Secrets to Leading Others and Leaving Your Legacy

JOHN MATTONE

What is great leadership? What separates the merely competent leaders from those rare individuals who leave a lasting impression on everyone around them?

As one of the world's most in-demand CEO coaches and top leadership gurus, John Mattone has worked with some of our brightest business minds--Apple's Steve Jobs, Pepsi's Roger Enrico, and Nielsen's Armando Uriegas--and he's identified the key qualities that, together, make up the mindset of great leadership.



In *The Intelligent Leader*, Mattone lays out an accessible, practical, and compelling path that anyone can take to become the kind of leader that brings enrichment to the lives of others, enjoys a more fulfilling life, and leaves a lasting legacy. Each chapter uses a variety of real-world examples, tools, and assessments to explore one of Mattone's 7 dimensions of Intelligent Leadership, including:

- Thinking differently, thinking big
- Having a mindset of duty vs. a mindset of entitlement
- Leveraging your gifts and addressing your gaps
- Having the courage to execute with pride, passion, and precision

Readers will have complimentary online access to the Mattone Leadership Enneagram Inventory (\$110 value), which offers a personalized assessment of your leadership style and maturity.

DECEMBER 2019 208PP

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*Business & Management Special Topics*

生体医用工学

## Mobile Robotics 2nd Edition

LUC JAULIN

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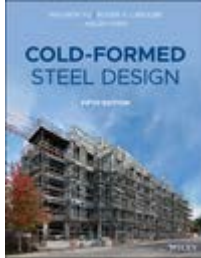
*Biomechanics*

## 土木工学

## Cold-Formed Steel Design 5th Edition

WEI-WEN YU &amp; ROGER A. LABOUBE

Hailed by professionals around the world as the definitive text on the design of cold-formed steel, this book provides descriptions of the construction and structural behavior of cold-formed steel members and connections from both theoretical and experimental points of view. Updated to reflect the 2016 AISI North American specification and 2015 North American framing standards, this all-new fifth edition offers readers a better understanding of the analysis and design of the thin-walled, cold-formed steel structures that have been widely used in building construction and other areas in recent years.



Cold-Formed Steel Design, 5th Edition has been revised and reorganized to incorporate the Direct Strength Method. It discusses the reasons and justification for the various design provisions of the North American specification and framing design standards. It provides chapter coverage of: the types of steels and their most important mechanical properties; the fundamentals of buckling modes; commonly used terms; the design of flexural members, compression members and closed cylindrical tubes, and of beam--columns using ASD, LRFD, and LSD methods; shear diaphragms and shell roof structures; standard corrugated sheets; and more.

- Updated to the 2016 North American (AISI S100) design specification and 2015 North American (AISI S240) design standard
- Offers thorough coverage of ASD, LRFD, LSD, and DSM design methods
- Integrates DSM in the main body of design provisions
- Features a new section on Power-Actuated Fastener (PAF) Connections
- Provides new examples and explanations of design provisions

Cold-Formed Steel Design, 5th Edition is not only instructive for students, but can serve as a major source of reference for structural engineers, researchers, architects, and construction managers.

DECEMBER 2019 528PP

**978-1-119-48739-5 CL \$170.00 (Japan)***Structures*

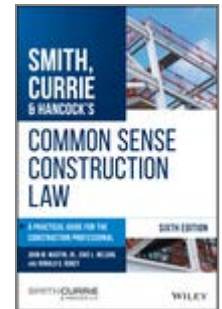
OCTOBER 2019 528PP

**978-1-119-48742-5 Wiley Online Library**

## Smith, Currie & Hancock's Common Sense Construction Law A Practical Guide for the Construction Professional 6th Edition

JOHN M. MASTIN, ERIC L. NELSON, RONALD G. ROBEY &amp; SMITH, CURRIE &amp; HANCOCK LLP

Updated and expanded to reflect the most recent changes in construction law, this practical guide teaches readers the difficult theories, principles, and established rules that regulate the construction business. It addresses the practical steps required to avoid and mitigate risks--whether the project is performed domestically or internationally, or whether it uses a traditional design-bid-build delivery system or one of the many alternative project delivery systems.



Smith, Currie & Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional provides a comprehensive introduction to the important legal topics and questions affecting the construction industry today. This latest edition features: all-new coverage of Electronically Stored Information (ESI) and Integrated Project Delivery (IPD); extended information on the civil False Claims Act; and fully updated references to current AIA, Consensus Docs, DBIA, and EJDC contract documents. Chapters cover the legal context of construction; interpreting a contract; public-private partnerships (P3); design-build and EPC; and international construction contracts. Other topics include: management techniques to limit risks and avoid disputes; proving costs and damages, including for changes and claims for delay and disruption; construction insurance, including general liability, builders risk, professional liability, OCIP, CCIP, and OPPI; bankruptcy; federal government construction contracting; and more.

- Fully updated with comprehensive coverage of the significant legal topics and questions that affect the construction industry
- Discusses new project delivery methods including Public-Private Partnerships (P3) and Integrated Project Delivery (IPD)
- Presents new coverage of digital tools and processes including Electronically Stored Information (ESI)
- Provides extended and updated coverage of the civil False Claims Act as it relates to government construction contracting

DECEMBER 2019 768PP

**978-1-119-54017-5 CL \$135.00 (Japan)***Construction Management*



## The FIDIC Contracts 2017

WILLIAM GODWIN  
Barrister at 3 Hare Court

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



The first chapter describes how the Red, Yellow and Silver Books evolved from earlier contract forms and the distinctive characteristics of each, before providing an overview of the updates, including new potential risks for both Employer and Contractor, and then examining, in the second chapter, key general provisions such as the new rules on notices and limitation of liability. Chapter 3 examines the enhanced role of the Engineer in the Red and Yellow Books/Employer's Representative's function in the Silver including the new procedure for determinations as well as the Employer's obligations and contract administration. The Contractor's obligations are considered in chapter 4 while chapter 5 examines his responsibility for design in the Yellow and Silver Books. Chapters 6 to 14 deal respectively with plant, materials and workmanship and staff and labour; time-related provisions in the three contracts including extensions of time, and the Employer's right to suspend the works; testing on and after completion and the Employer's taking over of the works; defects after taking over, acceptance of the works and unfulfilled obligations; measurement (in the Red Book), the Contract Price and payment; the new variations regime and adjustments to the Price; termination and suspension; care of the works and indemnities and Exceptional Events (previously, Force Majeure). An important feature of the new contracts is their increased emphasis on clarity in the claims process and on dispute avoidance. These topics are examined in the final two chapters, 15 and 16, which deal respectively with the new claims and dispute resolution provisions of the 2017 forms.

DECEMBER 2019 288PP

**978-1-119-51463-3 CL \$110.00 (Japan)**

*Construction law*

DECEMBER 2019

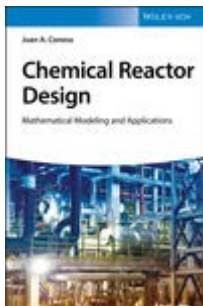
**978-1-119-51461-9** [Wiley Online Library](#)

## Chemical Reactor Design

### Mathematical Modeling and Applications

JUAN A. CONESA

Chemical Reactor Design offers a guide to the myriad aspects of reactor design including the use of numerical methods for solving engineering problems. The author—a noted expert on the topic—explores the use of transfer functions to study residence time distributions, convolution and deconvolution curves for reactor characterization, forced-unsteady-state-operation, scale-up of chemical reactors, industrial catalysis, biochemical reactors design, as well as the design of multiphase gas–liquid–solid reactors.



Chemical Reactor Design contains several examples of calculations and it gives special emphasis on the numerical solutions of differential equations by using the finite differences approximation, which offers the background information for understanding other more complex methods. The book is designed for the chemical engineering academic community and includes case studies on mathematical modeling by using of MatLab software. This important book:

- Offers an up-to-date insight into the most important developments in the field of chemical, catalytic, and biochemical reactor engineering
- Contains new aspects such as the use of numerical methods for solving engineering problems, transfer functions to study residence time distributions, and more
- Includes illustrative case studies on MatLab approach, with emphasis on numerical solution of differential equations using the finite differences approximation

Written for chemical engineers, mechanical engineers, chemists in industry, bioengineers, and process engineers, Chemical Reactor Design: Mathematical Modeling and Applications addresses the technical and calculation problems of chemical reactor analysis, scale-up, as well as catalytic and biochemical reactor design.

OCTOBER 2019 352PP

**978-3-527-34630-1 CL \$190.00 (Japan)**

*Process Engineering*

SEPTEMBER 2019

**978-3-527-82337-6** **Wiley Online Library**

## Retrosynthetic Analysis and Synthesis of Natural Products 1

### Synthetic Methods and Applications Cloth

PIVA

DECEMBER 2019 314PP

**978-1-78630-349-3 CL \$155.00 (Japan)***Analytical Chemistry*

## Soil and Groundwater Remediation

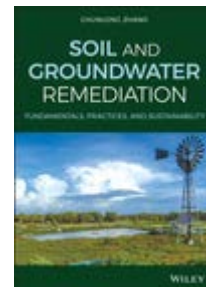
### Fundamentals, Practices, and Sustainability

土壌および地下水の修復 — 基礎と実践、持続可能性

CHUNLONG ZHANG

University of Houston-Clear Lake

Soil and Groundwater Remediation offers a comprehensive and up-to-date review of the principles, practices, and concepts of sustainability of soil and groundwater remediation. The book starts with an overview of the importance of groundwater resource/quality, contaminant sources/types, and the scope of soil and groundwater remediation. It then provides the essential components of soil and groundwater remediation with easy-to-understand design equations/calculations and the practical applications.



The book contains information on remediation basics such as subsurface chemical behaviors, soil and groundwater hydrology and characterization, regulations, cost analysis, and risk assessment. The author explores various conventional and innovative remediation technologies, including pump-and-treat, soil vapor extraction, bioremediation, incineration, thermally enhanced techniques, soil washing/flushing, and permeable reactive barriers. The book also examines the modeling of groundwater flow and contaminant transport in saturated and unsaturated zones. This important book:

- Presents the current challenges of remediation practices
- Includes up-to-date information about the low-cost, risk-based, sustainable remediation practices, as well as institutional control and management
- Offers a balanced mix of the principles, practices, and sustainable concepts in soil and groundwater remediation
- Contains learning objectives, discussions of key theories, and example problems
- Provides illustrative case studies and recent research when remediation techniques are introduced

Written for undergraduate seniors and graduate students in natural resource, earth science, environmental science/engineering, and environmental management, Soil and Groundwater Remediation is an authoritative guide to the principles and components of soil and groundwater remediation that is filled with worked and practice problems.

DECEMBER 2019 504PP

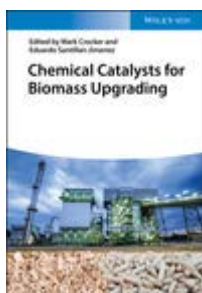
**978-1-119-39315-3 CL \$125.00 (Japan)***Water Chemistry*

## Chemical Catalysts for Biomass Upgrading

バイオマス改質のための化学触媒

MARK CROCKER & EDUARDO SANTILLAN-JIMENEZ

Focussing on innovative catalysts and catalytic processes, this book provides the reader with deep insights in biomass upgrading of the most important biomass types. Topics like hydrodeoxygenation, catalytic cracking, depolymerization and more are presented in this reference.



DECEMBER 2019 592PP

**978-3-527-34466-6 CL \$215.00 (Japan)**

*Catalysis*

DECEMBER 2019

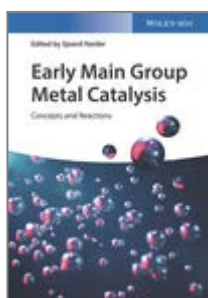
**978-3-527-81479-4 Wiley Online Library**

## Early Main Group Metal Catalysis Concepts and Reactions

第1族・第2族元素を用いた触媒 — 概念と反応

Editor SJOERD HARDER

Early Main Group Metal Catalysis gives a comprehensive overview of catalytic reactions in the presence of group 1 and group 2 metals. Chapters are ordered to reaction type, contain educational elements and deal with concepts illustrated by examples that cover the main developments. After a short introduction on polar organometallic chemistry and synthesis of early main group metal complexes, a variety of catalytic reactions are described, e.g. polymerization of alkenes, hydroamination and phosphination reactions, hydrosilylation, hydroboration and hydrogenation catalysis, as well as enantioselective and Lewis-acid catalysis. The book addresses organic chemists and researchers in industry interested in the state-of-the-art and new possibilities of early main group metal catalysis as well as newcomers to the field. Written by a team of leaders in the field, it is a very welcome addition to the area of main group metal chemistry, and to the field of catalysis.



DECEMBER 2019 386PP

**978-3-527-34448-2 CL \$205.00 (Japan)**

*Catalysis*

DECEMBER 2019

**978-3-527-81802-0 Wiley Online Library**

## Risk-Reduction Methods for Occupational Safety and Health

2nd Edition

労働安全衛生のためのリスク低減法 第2版

ROGER C. JENSEN

Filled with more theory, numerous case examples, and references to new material than the original text, this latest edition of a highly acclaimed book on occupational safety and health includes substantial updates and expanded material on management systems, risk assessment methods, and OSH-relevant concepts, principles, and models.

Risk-Reduction Methods for Occupational Safety and Health is organized into five parts: background; analysis methods; programmatic methods for managing risk; risk reduction for energy sources; and risk reduction for other than energy sources. It comprehensively covers both system safety methods and OSH management methods applicable to occupational health and safety. Suitable for worldwide applications, the author's approach avoids reliance on the thousands of rules, codes, and standards by focusing on understanding hazards and reducing risks using strategies and tactics.



- Includes more content on methods for reducing risks, citations of recent research, and deeper coverage of OSH-relevant concepts, theories, and models
- Merges methods and principles traditionally associated with occupational hygiene, ergonomics, and safety
- Provides substantial updates on management systems and theories of occupational incidents, and includes new case studies in many chapters to help demonstrate the "real world" need for identifying and implementing risk-reduction strategies
- Addresses occupational risks that go beyond current regulations and standards, taking an international approach by stressing risk-reduction strategies
- Supports adoption of the book for university courses by providing chapter-specific learning exercises and support materials for professors

Risk-Reduction Methods for Occupational Safety and Health is ideal for safety professionals, system safety engineers, safety engineers, industrial hygienists, ergonomists, and anyone with OSH responsibilities. It is also an excellent resource for students preparing for a career in OSH.

DECEMBER 2019 496PP

**978-1-119-49399-0 CL \$110.00 (Japan)**

*Chemical and Environmental Health and Safety*

## Organic Reactions Volume 100

有機反応 第100巻

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

Written by a "who is who" of leading organic chemists, this anniversary volume represent the Organic Reactions editors' choice of the most important, ground-breaking and versatile reactions in current organic synthesis. The 18 reaction types selected for this volume include reactions for carbon-carbon bond formation, cross-coupling reactions, hydro- and halofunctionalizations, among many others. In line with the successful recipe of the series, each chapter is focused on a single reaction, discussing its mechanism and stereochemistry, scope and limitations, applications to synthesis, comparison with other methods, and experimental procedures. Each chapter concludes with a tabular survey of selected key application examples, complete with reported reaction conditions and yields, to serve as a quick reference guide for synthesis planning.

SERIES: ORGANIC REACTIONS  
DECEMBER 2019 1136PP  
**978-1-119-45666-7 CL \$295.00 (Japan)**  
*Organic Chemistry*

## The Chemistry of Nitrogen-rich Functional Groups

Volume 2

多数の窒素を含む官能基の化学 Vol.2

JOEL F. LIEBMAN, ALEXANDER GREER, ILAN MAREK & ZVI RAPPOPORT, Israel  
University of Maryland, USA; Brooklyn College, USA; Department of Chemistry, Israel Institute of Technology, Haifa, Israel; The Hebrew University, Jerusalem

The understanding of functional groups is the key to understanding organic chemistry. In the tradition of Patai's Chemistry of Functional Groups each volume treats all aspects of functional groups, touching on theoretical, analytical, synthetic, biological, and industrial aspects. Nitrogen is unique among the non-carbon atoms in its ability to form single, double, and triple bonds with itself, giving rise to a wide range of organic-chemical groups containing several nitrogen atoms in different states and geometries. The present volume complements and extends the previous volume by the same editors on this class of functional groups. It surveys the properties and chemical behaviour of selected nitrogen-rich organic compounds, addresses their applications as dyes, pharmaceuticals and hard materials, as well as their safe handling. As with all new volumes, the chapters are first published online in Patai's Chemistry of Functional Groups. Once a volume is completed online, it is then published in print format. The printed book offers the traditional quality of the Patai Book Series, complete with an extensive index.

SERIES: PATAI'S CHEMISTRY OF FUNCTIONAL GROUPS  
DECEMBER 2019 848PP  
**978-1-119-35231-0 CL \$825.00 (Japan)**  
*Organic Chemistry*

## Nickel Catalysis in Organic Synthesis

Methods and Reactions

有機合成におけるニッケル触媒 — 方法と反応

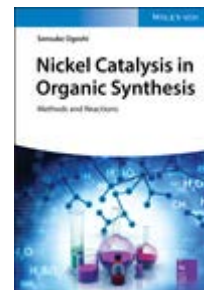
Editor SENSUKE OGOSHI

In the recent years, the field of nickel catalysis in organic synthesis has developed enormously: New reaction types and exciting reaction pathways have been discovered and new applications in organic synthesis are published each month, so that a new reference is truly needed.

DECEMBER 2019 336PP  
**978-3-527-34407-9 CL \$230.00 (Japan)**

*Methods - Synthesis & Techniques*

DECEMBER 2019  
**978-3-527-81382-7 Wiley Online Library**



## Molecular Interactions

Concepts and Methods

分子相互作用 — 概念と方法

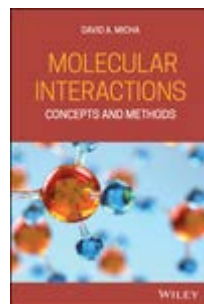
DAVID A. MICHA

- A modern, comprehensive text/reference describing intermolecular forces; it begins at atomic structure and advances through molecular and systemic structures.
- Proceeds from introductory material to advanced modern treatments
- Contains applications to many physical systems and worked examples
- Concepts, models, theoretical and computational tools are included to describe specific physical systems such as excited states in photoinduced phenomena, forces at catalyst surfaces as well as applications in photovoltaics and photoelectrochemistry.
- Relevant to technologies for new materials, biological phenomena, and energy and fuels production

READERSHIP: Advanced undergraduate, graduate students, researchers in the molecular sciences, computational chemists, and mechanical engineers. Professional engineers and biologists in energy, fuels and pharmaceutical industry.

DECEMBER 2019 400PP  
**978-0-470-29074-3 CL \$175.00 (Japan)**  
*Physical Chemistry*

OCTOBER 2019  
**978-1-119-31908-5 Wiley Online Library**



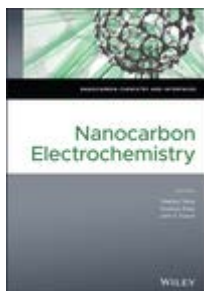


## Nanocarbon Electrochemistry

ナノカーボンの電気化学

Editor NIANJUN YANG, Editor GUOHUA ZHAO & Editor JOHN S FOORD  
University of Oxford, UK

The discoveries of new carbon materials such as fullerene, graphene, carbon nanotubes, graphene nanoribbon, carbon dots, and graphdiyne have triggered numerous research advances in the field of electrochemistry. This book brings together up-to-date accounts of the recent progress, developments, and achievements in the electrochemistry of different carbon materials, focusing on their unique properties and various applications.



Nanocarbon Electrochemistry begins by looking at the studies of heterogeneous electron transfer at various carbon electrodes when redox-active molecules are reversibly and specifically adsorbed on the carbon electrode surface. It then covers electrochemical energy storage applications of various carbon materials, particularly the construction and performance of supercapacitors and batteries by use of graphene and related materials. Next, it concentrates on electrochemical energy conversion applications where electrocatalysis at 0D, 1D, 2D, and 3D carbon materials nanocarbon materials is highlighted. The book finishes with an examination of the contents of electrogenerated chemiluminescence and photoelectrochemical pollutant degradation by use of diamond and related carbon materials.

- Covers the fundamental properties of different carbon materials and their applications across a wide range of areas
- Provides sufficient background regarding different applications, which contributes to the understanding of specialists and non-specialists
- Examines nanoelectrochemistry of adsorption-coupled electron transfer at carbon electrodes; graphene and graphene related materials; diamond electrodes for the electrogenerated chemiluminescence; and more
- Features contributions from an international team of distinguished researchers

Nanocarbon Electrochemistry is an ideal book for students, researchers, and industrial partners working on many diverse fields of electrochemistry, whether they already make frequent use of carbon electrodes in one form or another or are looking at electrodes for new applications.

SERIES: NANOCARBON CHEMISTRY AND INTERFACES  
DECEMBER 2019 400PP

**978-1-119-46823-3 CL \$185.00 (Japan)**

*Electrochemistry*

NOVEMBER 2019

**978-1-119-46828-8** [Wiley Online Library](#)

## 西洋古典

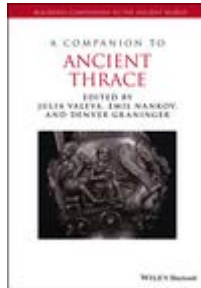
**A Companion to Ancient Thrace**

Editor JULIA VALEVA, Editor EMIL NANKOV & Editor DENVER GRANINGER

Bulgarian Academy of Sciences, Bulgaria; American Research Center, USA; American Research Center, USA

A Companion to Ancient Thrace presents a series of essays that reveal the newly recognized complexity of the social and cultural phenomena of the peoples inhabiting the Balkan periphery of the Classical world.

- Features a rich and detailed overview of Thracian history from the Early Iron Age to Late Antiquity
- Includes contributions from leading scholars in the archaeology, art history, and general history of Thrace
- Balances consideration of material evidence relating to Ancient Thrace with more traditional literary sources
- Integrates a study of Thrace within a broad context that includes the cultures of the eastern Mediterranean, southwest Asia, and southeast Europe/Eurasia
- Reflects the impact of new theoretical approaches to economy, ethnicity, and cross-cultural interaction and hybridity in Ancient Thrace



SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

DECEMBER 2019 512PP

**978-1-119-01618-2 PB \$49.95 (Japan)**

*Ancient & Classical Studies*

## コンピューティング

## Instagram For Dummies

JENNIFER HERMAN, COREY WALKER &amp; ERIC BUTOW

Instagram is the fastest-growing social network in the world, soaring from 500 million to 1 billion active users in just two years. Users flock to the site thanks to its simplicity and use of the most popular social media features--image and video sharing, community, and personal insight.

Instagram For Dummies is here if you're ready to get acquainted with the platform or want to find ways to do more with your Instagram account. Written by an team led by top Instagram trainer Jenn Herman, this book gives you tips for creating great Instagram images, personalizing your posts, connecting with the Instagram community, and working with Stories and IGTV.

- Access Instagram on a computer or mobile device
- Set up your profile
- Connect with others
- Share your stories
- Shoot better Instagram images

From handling core functions to connecting with the Instagram community, this book shares the secrets you need to shine on social media like no other!

DECEMBER 2019 UnknownPP

**978-1-119-59393-5 PB \$24.99 (Japan)***Internet General*

## Beginning Flutter

A Hands On Guide To App Development

MARCO L. NAPOLI

Beginning Flutter: A Hands-On Guide to App Development is the essential resource for both experienced and novice developers interested in getting started with Flutter--the powerful new mobile software development kit. With Flutter, you can quickly and easily develop beautiful, powerful apps for both Android and iOS, without the need to learn multiple programming languages or juggle more than one code base. This book walks you through the process step by step.

In Flutter, you'll be working with Dart, the programming language of choice for top app developers. Even if you're just starting out in your development career, you can learn Dart quickly, eliminating the barrier to entry for building apps. This is a more efficient way to develop and maintain cross-platform mobile apps, and this book makes the process even easier with a teach-by-example approach.

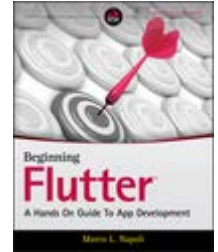
- Focus on providing quality content by eliminating the need to switch between multiple coding languages
- Learn the ins and outs of Flutter, including all the frameworks, widgets, and tools available to developers
- Accelerate your app development pace, keeping all the code for your cross-platform app in a single code base
- Leapfrog barriers to entry to the mobile software market, creating your first app with no experience necessary

The Flutter community is growing rapidly and transforming the way Android and iOS apps get made. Beginning Flutter allows you to get on board with the latest app development technology, giving your mobile development career a big head start.

DECEMBER 2019 300PP

**978-1-119-55082-2 PB \$40.00 (Japan)***Graphics & Design software (Non-Microsoft)*

OCTOBER 2019

**978-1-119-55086-0** **Wiley Online Library**



## Mastering Autodesk Revit 2020

ROBERT YORI, MARCUS KIM & LANCE KIRBY

Mastering Autodesk Revit 2020 is packed with focused discussions, detailed exercises, and real-world examples to help you get up to speed quickly on the latest version of Autodesk Revit. Organized according to how you learn and implement the software, this book provides expert guidance for all skill levels. Hands-on tutorials allow you to dive right in and start accomplishing vital tasks, while compelling examples illustrate how Revit for Architecture is used in every project. Available online downloads include before-and-after tutorial files and additional advanced content to help you quickly master this powerful software. From basic interface topics to advanced visualization techniques and documentation, this invaluable guide is your ideal companion through the Revit workflow.

Whether you're preparing for Autodesk certification exams or just want to become more productive with the architectural design software, practical exercises and expert instruction will get you where you need to be.

- Understand key BIM and Revit concepts and master the Revit interface
- Delve into templates, work-sharing, and managing Revit projects
- Master modeling and massing, the Family Editor, and visualization techniques
- Explore documentation, including annotation, detailing, and complex structures

BIM software has become a mandatory asset in today's architecture field; automated documentation updates reduce errors while saving time and money, and Autodesk's Revit is the industry leader in the BIM software space.

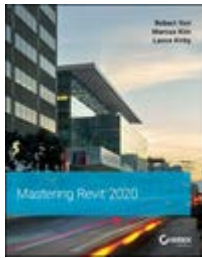
JANUARY 2020 1056PP

**978-1-119-57012-7 PB \$70.00 (Japan)**

*Graphics & Design software (Non-Microsoft)*

NOVEMBER 2019

**978-1-119-57018-9 Wiley Online Library**



## Microsoft Azure Infrastructure Services for Architects Designing Cloud Solutions

JOHN SAVILL

With Microsoft Azure challenging Amazon Web Services (AWS) for market share, there has been no better time for IT professionals to broaden and expand their knowledge of Microsoft's flagship virtualization and cloud computing service. Microsoft Azure Infrastructure Services for Architects: Designing Cloud Solutions helps readers develop the skills required to understand the capabilities of Microsoft Azure for Infrastructure Services and implement a public cloud to achieve full virtualization of data, both on and off premise. Microsoft Azure provides granular control in choosing core infrastructure components, enabling IT administrators to deploy new Windows Server and Linux virtual machines, adjust usage as requirements change, and scale to meet the infrastructure needs of their entire organization.

This accurate, authoritative book covers topics including IaaS cost and options, customizing VM storage, enabling external connectivity to Azure virtual machines, extending Azure Active Directory, replicating and backing up to Azure, disaster recovery, and much more. New users and experienced professionals alike will:

- Get expert guidance on understanding, evaluating, deploying, and maintaining Microsoft Azure environments from Microsoft MVP and technical specialist John Savill
- Develop the skills to set up cloud-based virtual machines, deploy web servers, configure hosted data stores, and use other key Azure technologies
- Understand how to design and implement serverless and hybrid solutions
- Learn to use enterprise security guidelines for Azure deployment

Offering the most up to date information and practical advice, Microsoft Azure Infrastructure Services for Architects: Designing Cloud Solutions is an essential resource for IT administrators, consultants and engineers responsible for learning, designing, implementing, managing, and maintaining Microsoft virtualization and cloud technologies.

DECEMBER 2019 448PP

**978-1-119-59657-8 PB \$60.00 (Japan)**

*Operating Systems (General)*

OCTOBER 2019

**978-1-119-59660-8 Wiley Online Library**



## PHTS '2020' For Dummies

### 2nd Edition

BARBARA OBERMEIER & TED PADOVA, *Ventura*  
*Ventura, CA, Obermeier Design; Ventura, California*

Photoshop Elements offers the tools to make quick, simple fixes to photos or to turn your images into completely different pieces of art. Digital imaging pros Barbara Obermeier and Ted Padova walk you step-by-step through the tools that help you take control of this powerful software. Discover simple one-click fixes that repair the most basic photo problems then dive into creative editing and adding artistic touches. You'll also find tips on shooting better photos and managing common photo projects.

- The basics of image editing
- Organizing your photos
- Editing specific parts of an image
- Using Quick Mode for quick fixes
- Improving brightness and clarity
- Applying artistic filters
- Creating a frame-worthy print
- Tips for completing fun projects

DECEMBER 2019 UnknownPP

**978-1-119-60551-5 PB \$29.99 (Japan)**

*Digital Cameras & Photography*

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## コンピュータサイエンス

## Programming Interviews For Dummies

ERIC T. JONES & ERIC BUTOW

Programming jobs are on the rise, and the field is predicted to keep growing, fast. Landing one of these lucrative and rewarding jobs requires more than just being a good programmer. *Programming Interviews For Dummies* explains the skills and knowledge you need to ace the programming interview.

Interviews for software development jobs and other programming positions are unique. Not only must candidates demonstrate technical savvy, they must also show that they're equipped to be a productive member of programming teams and ready to start solving problems from day one. This book demystifies both sides of the process, offering tips and techniques to help candidates and interviewers alike.

- Prepare for the most common interview questions
- Understand what employers are looking for
- Develop the skills to impress non-technical interviewers
- Learn how to assess candidates for programming roles
- Prove that you (or your new hires) can be productive from day one



*Programming Interviews For Dummies* gives readers a clear view of both sides of the process, so prospective coders and interviewers alike will learn to ace the interview.

DECEMBER 2019 UnknownPP

**978-1-119-56502-4 PB \$24.99 (Japan)**

*Programming & Software Development*

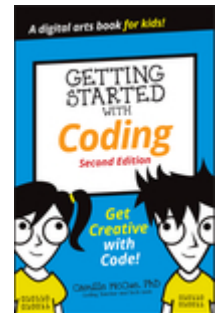
## Getting Started with Coding Get Creative with Code! 2nd Edition

CAMILLE MCCUE PH.D, Las Vegas, United States

Coding know-how is the coolest new tool kids can add to their creativity toolboxes--and all they need to get started is a computer connected to the internet and the lessons in this book. Easy!

The book offers fun step-by-step projects to create games, animations, and other digital toys while teaching a bit about coding along the way. Plus, each project has an end goal to instill confidence and a sense of accomplishment in young coders once the project comes to life.

- Create simple applications in Scratch to learn how to build things with coding
- Experiment with "real" coding with tools built in JavaScript
- Use free online tools
- Share what you build with friends, family, and teachers



SERIES: DUMMIES JUNIOR

DECEMBER 2019 144PP

**978-1-119-64162-9 PB \$9.99 (Japan)**

*Programming & Software Development*

## Making YouTube Videos 2nd Edition

NICK WILLOUGHBY, Contributions by WILL EAGLE &  
Contributions by TEE MORRIS

YouTube has won the hearts, minds, and eyes of kids around the globe. Young people everywhere are making their mark on this popular platform--some of them even gaining massive followings, worldwide recognition, and the paychecks that come along with it. While lots of youngsters are happy to be spectators, others are hungry to create and star in YouTube content of their own--and this book shows them how.



Written for kids in a language they can understand, this book helps budding filmmakers and producers create their own videos--no matter the subject. It offers creators the insight on how to plan and shoot quality videos, install and use video editing tools, and post the final product to YouTube.

- Apply tricks that pro filmmakers use for better shots, lighting, and sound
- Edit your video, add transitions, insert a soundtrack, and spice things up with effects
- Shoot and share your video gaming exploits
- Share finished videos with family, friends, and the world

For any kid interested in joining the YouTube revolution, this book is the perfect place to start!

SERIES: DUMMIES JUNIOR  
DECEMBER 2019 192PP

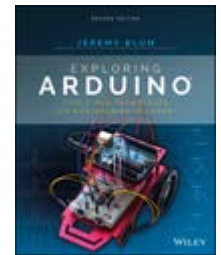
**978-1-119-64150-6 PB \$9.99 (Japan)**

*Programming & Software Development*

## Exploring Arduino Tools and Techniques for Engineering Wizardry 2nd Edition

JEREMY BLUM

Exploring Arduino makes electrical engineering and embedded software accessible. Learn step by step everything you need to know about electrical engineering, programming, and human-computer interaction through a series of increasingly complex projects. Arduino guru Jeremy Blum walks you through each build, providing code snippets and schematics that will remain useful for future projects. Projects are accompanied by downloadable source code, tips and tricks, and video tutorials to help you master Arduino. You'll gain the skills you need to develop your own microcontroller projects!



This new 2nd edition has been updated to cover the rapidly-expanding Arduino ecosystem, and includes new full-color graphics for easier reference. Servo motors and stepper motors are covered in richer detail, and you'll find more excerpts about technical details behind the topics covered in the book. Wireless connectivity and the Internet-of-Things are now more prominently featured in the advanced projects to reflect Arduino's growing capabilities. You'll learn how Arduino compares to its competition, and how to determine which board is right for your project. If you're ready to start creating, this book is your ultimate guide!

- Get up to date on the evolving Arduino hardware, software, and capabilities
- Build projects that interface with other devices--wirelessly!
- Learn the basics of electrical engineering and programming
- Access downloadable materials and source code for every project

Whether you're a first-timer just starting out in electronics, or a pro looking to mock-up more complex builds, Arduino is a fantastic tool for building a variety of devices. This book offers a comprehensive tour of the hardware itself, plus in-depth introduction to the various peripherals, tools, and techniques used to turn your little Arduino device into something useful, artistic, and educational. Exploring Arduino is your roadmap to adventure--start your journey today!

DECEMBER 2019 408PP

**978-1-119-40537-5 PB \$35.00 (Japan)**

*Computer Hardware*

OCTOBER 2019

**978-1-119-40532-0** **Wiley Online Library**

## Storytelling with Data Let's Practice!

COLE NUSSBAUMER KNAFLIC

This is not a book. It is a one-of-a-kind immersive learning experience through which you can become--or teach others to be--a powerful data storyteller.

Let's practice! helps you build confidence and credibility to create graphs and visualizations that make sense and weave them into action-inspiring stories. Expanding upon best seller *storytelling with data*, *Let's practice!* delivers fresh content, a plethora of new examples, and over 100 hands-on exercises. Author and data storytelling maven Cole Nussbaumer Knaflc guides you along the path to hone core skills and become a well-practiced data communicator. Each chapter includes:



- Practice with Cole: exercises based on real-world examples first posed for you to consider and solve, followed by detailed step-by-step illustration and explanation
- Practice on your own: thought-provoking questions and even more exercises to be assigned or worked through individually, without prescribed solutions
- Practice at work: practical guidance and hands-on exercises for applying storytelling with data lessons on the job, including instruction on when and how to solicit useful feedback and refine for greater impact

The lessons and exercises found within this comprehensive guide will empower you to master--or develop in others--data storytelling skills and transition your work from acceptable to exceptional. By investing in these skills for ourselves and our teams, we can all tell inspiring and influential data stories!

DECEMBER 2019 448PP

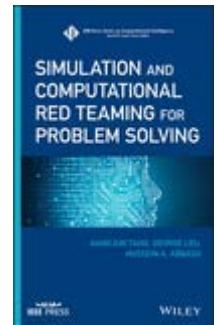
**978-1-119-62149-2 PB \$39.95 (Japan)**

*Business Data Processing*

## Simulation and Computational Red Teaming for Problem Solving

JIANGJUN TANG, GEORGE LEU & HUSSEIN A ABBASS

Simulation and Computational Red Teaming for Problem Solving offers a review of computer simulation that is grounded in a multi-disciplinary approach. The authors present the theoretical foundations of simulation and modeling paradigms from the perspective of an analyst. The book provides the fundamental background information needed for designing and developing consistent and useful simulations. In addition to this basic information, the authors explore several advanced topics.



The book's advanced topics demonstrate how modern artificial intelligence and computational intelligence concepts and techniques can be combined with various simulation paradigms for solving complex and critical problems. Authors examine the concept of Computational Red Teaming to reveal how the combined fundamentals and advanced techniques are used successfully for solving and testing complex real-world problems. This important book:

- Demonstrates how computer simulation and Computational Red Teaming support each other for solving complex problems
- Describes the main approaches to modeling real-world phenomena and embedding these models into computer simulations
- Explores how a number of advanced artificial intelligence and computational intelligence concepts are used in conjunction with the fundamental aspects of simulation

Written for researchers and students in the computational modelling and data analysis fields, *Simulation and Computational Red Teaming for Problem Solving* covers the foundation and the standard elements of the process of building a simulation and explores the simulation topic with a modern research approach.

SERIES: IEEE PRESS SERIES ON COMPUTATIONAL INTELLIGENCE

DECEMBER 2019 496PP

**978-1-119-52717-6 CL \$145.00 (Japan)**

*Artificial Intelligence*

OCTOBER 2019

**978-1-119-52718-3** [Wiley Online Library](#)

## Cybersecurity Law

### 2nd Edition

JEFF KOSSEFF

The revised and updated second edition of *Cybersecurity Law* offers an authoritative guide to the key statutes, regulations, and court rulings that pertain to cybersecurity. Written by an experienced cybersecurity lawyer and law professor, the second edition includes new and expanded information that reflects the latest changes in laws and regulations. The book includes material on recent FTC data security consent decrees and data breach litigation.



Topics covered reflect new laws, regulations, and court decisions that address financial sector cybersecurity, the law of war as applied to cyberspace, and recently updated guidance for public companies' disclosure of cybersecurity risks. This important guide:

- Provides a new appendix, with 15 edited opinions covering a wide range of cybersecurity-related topics, for students learning via the caselaw method
- Includes new sections that cover topics such as: compelled access to encrypted devices, New York's financial services cybersecurity regulations, South Carolina's insurance sector cybersecurity law, the Internet of Things, bug bounty programs, the vulnerability equities process, international enforcement of computer hacking laws, the California Consumer Privacy Act, and the European Union's Network and Information Security Directive
- Contains a new chapter on the critical topic of law of cyberwar
- Presents a comprehensive guide written by a noted expert on the topic
- Offers a companion Instructor-only website that features discussion questions for each chapter and suggested exam questions for each chapter

Written for students and professionals of cybersecurity, cyber operations, management-oriented information technology (IT), and computer science, *Cybersecurity Law*, Second Edition is the up-to-date guide that covers the basic principles and the most recent information on cybersecurity laws and regulations.

DECEMBER 2019 704PP

**978-1-119-51720-7 CL \$115.00 (Japan)**

*Computer Security & Cryptography*

OCTOBER 2019

**978-1-119-51743-6** **Wiley Online Library**



## コミュニケーション

## The Digital Economy

TIM JORDAN  
Open University

In this timely book, Tim Jordan deftly explores the workings of the digital economy. He discusses the hype and significance surrounding its activities and practices in order to outline important concepts, theory, and policy questions. Through a variety of in-depth case studies, he examines the areas of search, social media, service providers, free economic activity, and digital gaming. Companies discussed include Google, Baidu, Uber, Bitcoin, Wikipedia, Fortnite, and World of Warcraft. Jordan argues that the digital economy is not concerned primarily with selling products, but relies instead on creating communities that can be read by software and algorithms. Profit is then extracted through targeted advertising, subscriptions, misleading 'purchases', and service relations.



READERSHIP: Undergraduate and graduate students of digital media and communications.

DECEMBER 2019 240PP

**978-1-5095-1755-8 CL \$69.95 (Japan)**

*General Communication & Media Studies*

DECEMBER 2019 240PP

**978-1-5095-1756-5 PB \$24.95 (Japan)**

*General Communication & Media Studies*

## The Gender of Latinidad Uses and Abuses of Hybridity

ANGHARAD N. VALDIVIA

The Gender of Latinidad: Uses and Abuses of Hybridity explores the way Latina representations have exploded onto mainstream popular culture--and into American consciousness. From "J Lo's butt", Penelope Cruz, and steamy tele-novellas, to Bratz and Flava dolls and the PBS cartoon, "Dora the Explorer", the volume will probe the dynamic manner by which Latinas are portrayed, caricatured and commercialized as cultural forms. While Valdivia's focus is primarily here in the United States, she also examines U.S. popular culture as the world's biggest import. By sifting through the current Latino "craze" as well as the usual pop culture clutter--women's magazines, mass-produced and marketed children's toys and books, television, popular music, movies, and celebrity culture--The Gender of Latinidad: Uses and Abuses of Hybridity soberly and sensibly addresses the popular iconography of Latinidad in its everyday location.

DECEMBER 2019 224PP

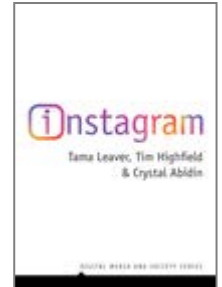
**978-1-4051-6338-5 PB \$27.95 (Japan)**

*Cultural Communication*

## Instagram Visual Social Media Cultures

TAMA LEAVER, TIM HIGHFIELD & CRYSTAL ABIDIN

In the first book-length examination of Instagram, Tama Leaver, Tim Highfield and Crystal Abidin trace how this quintessential mobile photography app has developed as a platform and a culture. They consider aspects such as the new visual social media aesthetics, the rise of Influencers and new visual economies, and the complex politics of the platform as well as examining how Instagram's users change their use of the platform over time and respond to evolving features.



The book highlights the different ways Instagram is used by subcultural groups around the world, and how museums, restaurants and public spaces are striving to be 'Insta-worthy'. Far from just capturing milestones and moments, the authors argue that Instagram has altered the ways people communicate and share, while also creating new approaches to marketing, advertising, politics and the design of spaces and venues.

READERSHIP: Advanced undergraduate and postgraduate students of media and communication studies, cultural studies. Supplementary reading on courses such as Digital Media, Digital Visual Cultures, Internet and Society, Social Media.

SERIES: DIGITAL MEDIA AND SOCIETY

DECEMBER 2019 256PP

**978-1-5095-3438-8 CL \$64.95 (Japan)**

*Media Studies*

DECEMBER 2019 256PP

**978-1-5095-3439-5 PB \$22.95 (Japan)**

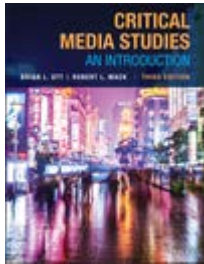
*Media Studies*

## Critical Media Studies

### 3rd Edition

BRIAN L. OTT & ROBERT L. MACK  
Texas Tech University; Colorado State University

A decade after its first publication, *Critical Media Studies* continues to shape and define the field of media studies, offering innovative approaches that enable readers to explore the modern media landscape from a wide variety of perspectives. Integrating foundational theory and contemporary research, this groundbreaking text offers the most comprehensive set of analytical approaches currently available. Twelve critical perspectives--pragmatic, rhetorical, sociological, erotic, ecological, and others--enable readers to assess and evaluate the social and cultural consequences of contemporary media in their daily lives. The new third edition includes up-to-date content that reflects the current developments and cutting-edge research in the field. New or expanded material includes changing perceptions of race and gender, the impact of fandom on the media, the legacy of the television age, the importance of media literacy in the face of "fake news", and developments in industry regulations and U.S. copyright law. This textbook:



- Presents clear, reader-friendly chapters organized by critical perspective
- Features up-to-date media references that resonate with modern readers
- Incorporates enhanced and updated pedagogical features throughout the text
- Offers extensively revised content for greater clarity, currency, and relevance
- Includes fully updated illustrations, examples, statistics, and further readings

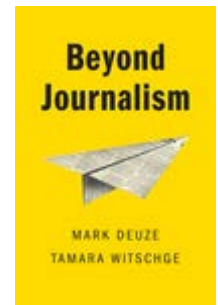
*Critical Media Studies*, 3rd Edition is the ideal resource for undergraduate students in media studies, cultural studies, popular culture, communication, rhetoric, and sociology, graduate students new to critical perspectives on the media, and scholars in the field.

DECEMBER 2019 432PP  
**978-1-119-40612-9 PB \$59.95 (Japan)**  
*Media Studies*

## Beyond Journalism

MARK DEUZE & TAMARA WITSCHGE  
Indiana University

In the context of profound transformations in the professional, business, technological and social context of journalism, it is crucial for journalism studies and education to move beyond limited approaches to the discipline. Among the most significant changes affecting journalism worldwide is the emergence of startup culture, as more and more journalists strike out on their own.



In *Beyond Journalism*, Deuze and Witschge combine extensive global and comparative fieldwork. Through rich case studies of journalism startups around the world, they provide deep insight into the promises and pitfalls of media entrepreneurship. Ultimately, they aim to recognize new and emerging voices as legitimate participants in the discourse about what journalism is, can be and should be.

**READERSHIP:** Advanced undergraduates and graduates in journalism, communication and media. Relevant courses include Media and Society, Media Economics, Media and Culture, Entrepreneurial Journalism, and will be of particular value to vocational programs seeking to add context and background to the training of media practitioners.

DECEMBER 2019 160PP  
**978-0-7456-4341-0 CL \$64.95 (Japan)**  
*Journalism*

DECEMBER 2019 160PP  
**978-0-7456-4342-7 PB \$22.95 (Japan)**  
*Journalism*



## 文化研究

**A Companion to Celebrity**

P. DAVID MARSHALL & SEAN REDMOND  
Deakin University; Deakin University

Companion to Celebrity presents a multi-disciplinary collection of original essays that explore myriad issues relating to the origins, evolution, and current trends in the field of celebrity studies.

- Offers a detailed, systematic, and clear presentation of all aspects of celebrity studies, with a structure that carefully build its enquiry
- Draws on the latest scholarly developments in celebrity analyses
- Presents new and provocative ways of exploring celebrity's meanings and textures
- Considers the revolutionary ways in which new social media have impacted on the production and consumption of celebrity



DECEMBER 2019 584PP

**978-1-119-13470-1 PB \$54.95 (Japan)**

*Popular Culture*

**Black in America**  
**The Paradox of the Color Line**

ENOBONG HANNAH BRANCH & CHRISTINA JACKSON

At the start of the twentieth century, the pre-eminent black sociologist, W.E.B. DuBois, identified the color line as America's great problem. While the color line is increasingly variegated beyond black and white, and more openly discussed than ever before as more racial and ethnic groups call America home, his words still ring true.



Today, post-racial and colorblind ideals dominate the American narrative, obscuring the reality of racism and discrimination, hiding if only temporarily the inconvenience of deep racial disparity. This is the quintessential American paradox: our embrace of the ideals of meritocracy despite the systemic racial advantages and disadvantages accrued across generations.

This book provides a sociology of the Black American experience. To be Black in America is to exist amongst myriad contradictions: racial progress and regression, abject poverty amidst profound wealth, discriminatory policing yet equal protection under the law. This book explores these contradictions in the context of residential segregation, labor market experiences, and the criminal justice system, among other topics, highlighting the historical processes and contemporary social arrangements that simultaneously reinforce race and racism, necessitating resistance in post-civil rights America.

READERSHIP: undergraduate students taking courses on social inequality, race, gender and class, race/ethnicity, race, and African American studies

DECEMBER 2019 224PP

**978-1-5095-3138-7 CL \$69.95 (Japan)**

*Race & Ethnicity Studies*

DECEMBER 2019 224PP

**978-1-5095-3139-4 PB \$24.95 (Japan)**

*Race & Ethnicity Studies*

## Lifestyle Gurus

### Constructing Authority and Influence Online

STEPHANIE A. BAKER & CHRIS ROJEK  
Nottingham Trent University

The rise of blogs and social media provide a public platform for people to share information online. This trend has facilitated an industry of self-appointed 'lifestyle gurus' who have become instrumental in the management of intimacy and social relations. Advice on health, wealth creation, relationships and well-being is rising to challenge the authority of experts and professionals. Pitched as 'authentic', 'accessible' and 'outside of the system', this information has produced an unprecedented sense of empowerment and sharing. However, new problems have arisen in its wake.



In *Lifestyle Gurus*, Baker and Rojek explore how authority and influence are achieved online. They trace the rise of lifestyle influencers in the digital age, relating this development to the erosion of trust in the expert-professional power bloc. The moral contradictions of lifestyle websites are richly explored, demonstrating how these technologies encourage a preoccupation with the very commercial and corporate hierarchies they seek to challenge.

A timely account of how lifestyle issues are being packaged and transacted in a wired-up world, this book is important reading for students and scholars of media, communication, sociology and related disciplines.

**READERSHIP:** Advanced undergraduate students, postgraduates and researchers of sociology, media and communication, business and leadership. Supplementary reading on courses such as Celebrity Culture, Digital Culture.

DECEMBER 2019 224PP

**978-1-5095-3017-5 CL \$69.95 (Japan)**

*Cultural Studies Special Topics*

DECEMBER 2019 224PP

**978-1-5095-3018-2 PB \$24.95 (Japan)**

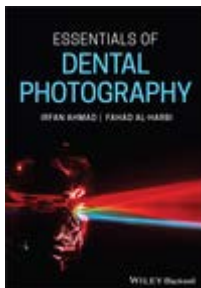
*Cultural Studies Special Topics*

## Essentials of Dental Photography

IRFAN AHMAD

*The Ridgeway Dental Surgery, North Harrow*

Dental photography is an increasingly important part of dental care in general practices, hospitals, and specialist clinics. The uses of dental photographs are numerous, such as monitoring treatment outcomes, educating patients, promoting services, and providing evidence for litigation or regulatory purposes. *Essentials of Dental Photography* is a user-friendly guide to incorporating dental photographs into daily practice. Containing real-world advice and proven techniques, this book helps clinicians understand and apply the fundamental principles of dental photography.



Accessible chapters cover every major aspect of dental photography and answer the most common questions asked by clinicians. Step-by-step instructions show readers how to select the correct photographic and dental equipment, setup equipment for a variety of dental procedures, process images using photo-editing software, and more. The authors, recognised experts in the field, explain the basic concepts of dental photography and how to create high-quality, predictable and repeatable images. Providing an easy-to-follow roadmap to exceptional dental photographs, this practical guide:

- Covers all the basic concepts, equipment, and techniques of dental photography
- Illustrates the photographic setups for both intra- and extra-oral images
- Includes easily-referenced chapter summaries and key points of knowledge
- Provides recommendations for appropriate types of cameras, lenses, flashes, reflectors, tripods, and software
- Discusses photographic archiving, electronic dissemination, printing, publishing, and presenting images

*Essentials of Dental Photography* is a valuable guide for dental practitioners and new graduates looking to learn dental photography and apply it in practice.

DECEMBER 2019 352PP

**978-1-119-31208-6 PB \$95.00 (Japan)**

*General Dentistry*

NOVEMBER 2019

**978-1-119-31216-1** [Wiley Online Library](#)

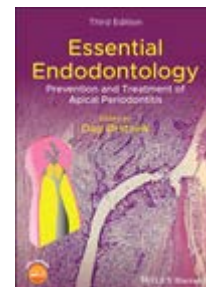
## Essential Endodontology

**Prevention and Treatment of Apical Periodontitis**  
3rd Edition

DAG ORSTAVIK

*The University of Oslo*

The third edition of *Essential Endodontology: Prevention and Treatment of Apical Periodontitis* has been revised and updated to include the most recent developments in the field, maintaining its position as the major scientific treatise of apical periodontitis. Making an often-complex subject more digestible, the book explores the scientific basis of endodontology, adopting a systematic analysis of the available clinical and laboratory evidence.



Promoting apical periodontitis as a disease entity, the comprehensive third edition focuses on its biology and clinical features, enabling the reader to have a better understanding of its diagnosis, prevention and treatment. In addition to thorough updates and full colour illustrations throughout, a new chapter on regenerative endodontics has been added to this edition.

- Written with a focus on the scientific basis of endodontology
- Includes a new chapter on regenerative endodontics
- Presents the most current information and major developments in this fast-moving field
- Provides helpful learning outcomes in each chapter
- Contains full colour illustrations, enriching the text
- Features contributions from a noted panel of international experts, including new contributors from across the globe

Regarded as a vital companion to the pursuit of excellence in postgraduate and specialist education, *Essential Endodontology* is an indispensable and accessible resource for practicing endodontists, postgraduate students of endodontology and those seeking professional certification in endodontology.

DECEMBER 2019 500PP

**978-1-119-27195-6 CL \$130.00 (Japan)**

*Endodontics*

NOVEMBER 2019

**978-1-119-27201-4** [Wiley Online Library](#)

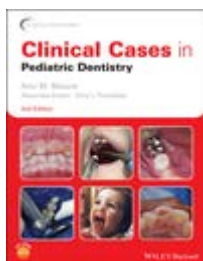
## Clinical Cases in Pediatric Dentistry

### 2nd Edition

Editor AMR M. MOURSI & Associate Editor AMY L. TRUESDALE  
New York University College of Dentistry, USA.; University of  
Washington School of Dentistry and Seattle Children's Hospital,  
USA

Clinical Cases in Pediatric Dentistry, Second Edition offers a fully updated new edition of this popular case-based book, with new content, clinical guidelines, and references in each case and eight entirely new cases.

- Presents updated content, clinical guidelines, and references in existing cases, with eight brand new case scenarios
- Takes an easy-to-follow format, with patient history and diagnostics, questions, and answers and explanations for each case
- Part of the "Clinical Cases" series applying both theory and practice to actual clinical cases
- Includes access to a companion website offering additional case studies, charts, tables, and web links



SERIES: CLINICAL CASES (DENTISTRY)

DECEMBER 2019 UnknownPP

**978-1-119-29088-9 PB \$99.99 (Japan)**

*Pediatric Dentistry*

## Engineered to Speak

### Helping You Create and Deliver Engaging Technical Presentations

ALEXA S. CHILCUTT & ADAM J. BROOKS  
Queen's Medical Centre, University of Nottingham, Nottingham, UK

Technical expertise alone is not enough to ensure professional success. Twenty-first century engineers and technical professionals must master making the complex simple and the simple interesting. This book helps engineers do what they love most: take a complicated system and create a stronger solution. You will learn tips and strategies that help you answer one essential question, "How can I get better at sharing my ideas with a variety of audiences?"



In *Engineered to Speak*, Alexa Chilcutt and Adam Brooks combine their expertise in messaging and public speaking with research that illustrates how effective communication contributes to career advancement. Each chapter contains inspiring stories from practicing engineers around the world as well as useful examples, exercises and repeatable processes for creating compelling messages.

This book helps technical talent become better speakers, better communicators, and ultimately better leaders. This helpful guide demystifies the art of oral communication by breaking it down into ten easy-to-follow-processes that can improve the ability of professionals at any level. By the end of *Engineered to Speak*, you'll understand how to gain buy-in, identify and expand your Sphere of Influence, amplify your message, deliver compelling presentations, and learn from those who've embrace these skills and enjoyed professional success.

SERIES: IEEE PCS PROFESSIONAL ENGINEERING COMMUNICATION SERIES  
OCTOBER 2019 192PP

**978-1-119-47496-8 PB \$74.95 (Japan)**

*Professional Development for Engineers*

AUGUST 2019

**978-1-119-47491-3 Wiley Online Library**

## Communication Networks in Automation

### Bus Systems. Components. Configuration and Management. Protocols. Security

RICARDA KOCH & RALPH LÜFTNER

The book conveys the fundamentals for the use of Industrial Ethernet and communication buses, how networks are to be configured and implemented, and what must be observed in terms of security. Realistic examples promote understanding and the use of communication protocols.



DECEMBER 2019 250PP

**978-3-89578-452-1 CL \$55.00**

**(Japan)**

*Communication Technology*

## IoT Security

### Advances in Authentication

MADHUSANKA LIYANAGE, AN BRAEKEN, PARDEEP KUMAR & MIKA YLIANTTILA

The Internet of things (IoT) is the network of physical devices such as vehicles, home appliances sensors, actuators and other electronic devices. The development of internet offers the possibility for these objects to connect and exchange data. Since IoT will pay a major role in our lives, it is important to secure the IoT ecosystem for its value to be realized. Among the various security requirements, authentication to the IoT is importance since it is the first step to prevent the impact of attackers. The book offers an insight into the development of various authentication mechanisms to provide IoT authentication in various levels such as user level, device level and network level. The user-level authentication identifies whether the IoT user is a legitimate user to access the smart object services and what kind of authentication mechanisms can be used. Network level authentication is needed to check the identity of connected IoT devices. This book, therefore, offers reference material which will be important for all relative stakeholders of mobile networks such as network operators, cloud operators, IoT device manufacturers, IoT device users, wireless users, IoT standardization organizations and security solution developers.



JANUARY 2020 320PP

**978-1-119-52792-3 CL \$125.00 (Japan)**

*Communication System Security*

DECEMBER 2019

**978-1-119-52797-8 Wiley Online Library**



## Machine Learning for Future Wireless Communications

FA-LONG LUO  
IEEE Fellow

In one single volume, *Machine Learning for Future Wireless Communications* provides a comprehensive and highly accessible treatment to the theory, applications and current research developments to the technology aspects related to machine learning for wireless communications and networks. The technology development of machine learning for wireless communications has grown explosively and is one of the biggest trends in related academic, research and industry communities.

Deep neural networks-based machine learning technology is a promising tool to attack the big challenge in wireless communications and networks imposed by the increasing demands in terms of capacity, coverage, latency, efficiency flexibility, compatibility, quality of experience and silicon convergence. The author -- a noted expert on the topic -- covers a wide range of topics including system architecture and optimization, physical-layer and cross-layer processing, air interface and protocol design, beamforming and antenna configuration, network coding and slicing, cell acquisition and handover, scheduling and rate adaption, radio access control, smart proactive caching and adaptive resource allocations.

SERIES: WILEY - IEEE  
DECEMBER 2019 572PP

**978-1-119-56225-2 CL \$150.00 (Japan)**

*Mobile & Wireless Communications*

DECEMBER 2019

**978-1-119-56230-6** [Wiley Online Library](#)

## Digital Communication for Practicing Engineers

FENG OUYANG

This book presents the most relevant concepts and technologies of today's communication systems and presents them in a concise and intuitive manner. It covers advanced topics such as Orthogonal Frequency-Division Multiplexing (OFDM) and Multiple-Input Multiple-Output (MIMO) Technology, which are enabling technologies for modern communication systems such as WiFi (including the latest enhancements) and LTE-Advanced.

Following a brief introduction to the field, *Digital Communication for Practicing Engineers* immerses readers in the theories and technologies that engineers deal with. It starts off with Shannon Theorem and Information Theory, before moving on to basic modules of a communication system, including modulation, statistical detection, channel coding, synchronization, and equalization. The next part of the book discusses advanced topics such as OFDM and MIMO and introduces several emerging technologies in the context of 5G cellular system radio interface. The book closes by outlining several current research areas in digital communications. In addition, this text:

- Breaks down the subject into self-contained lectures, which can be read individually or as a whole
- Focuses on the pros and cons of widely used techniques, while providing references for detailed mathematical analysis
- Follows the current technology trends, including advanced topics such as OFDM and MIMO
- Touches on content this is not usually contained in textbooks such as cyclo-stationary symbol timing recovery, adaptive self-interference canceler, and Tomlinson-Harashima precoder
- Includes many illustrations, homework problems, and examples

*Digital Communication for Practicing Engineers* is an ideal guide for graduate students and professionals in digital communication looking to understand, work with, and adapt to the current and future technology.

SERIES: IEEE SERIES ON DIGITAL & MOBILE COMMUNICATION

DECEMBER 2019 656PP

**978-1-119-41800-9 CL \$140.00 (Japan)**

*Mobile & Wireless Communications*

SEPTEMBER 2019

**978-1-119-59813-8** [Wiley Online Library](#)

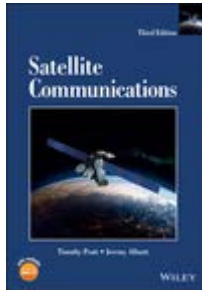


## Satellite Communications 3rd Edition

TIMOTHY PRATT & JEREMY E. ALLNUTT

Virginia Polytechnic Institute and State University; George Mason University

There have been many changes in the thirty three years since the first edition of *Satellite Communications* was published. There has been a complete transition from analog to digital communication systems, with analog techniques replaced by digital modulation and digital signal processing. While distribution of television programming remains the largest sector of commercial satellite communications, low earth orbit constellations of satellites for Internet access are set to challenge that dominance.



In the third edition, chapters one through three cover topics that are specific to satellites, including orbits, launchers, and spacecraft. Chapters four through seven cover the principles of digital communication systems, radio frequency communications, digital modulation and multiple access techniques, and propagation in the earth's atmosphere, topics that are common to all radio communication systems. Chapters eight through twelve cover applications that include non-geostationary satellite systems, low throughput systems, direct broadcast satellite television, Internet access by satellite, and global navigation satellite systems. The chapter on Internet access by satellite is new to the third edition, and each of the chapters has been extensively revised to include the many changes in the field since the publication of the second edition in 2003. Two appendices have been added that cover digital transmission of analog signals, and antennas.

An invaluable resource for students and professionals alike, this book:

- Focuses on the fundamental theory of satellite communications
- Explains the underlying principles and essential mathematics required to understand the physics and engineering of satellite communications
- Discusses the expansion of satellite communication systems in areas such as direct-broadcast satellite TV, GPS, and internet access
- Introduces the rapidly advancing field of small satellites, referred to as SmallSats or CubeSats
- Provides relevant practice problems based on real-world satellite systems

*Satellite Communications* is required reading for undergraduate and postgraduate students in satellite communications courses and an authoritative reference for engineers working in communications, systems and networks, and satellite operations and management.

DECEMBER 2019 744PP

**978-1-119-48217-8 CL \$130.00 (Japan)**

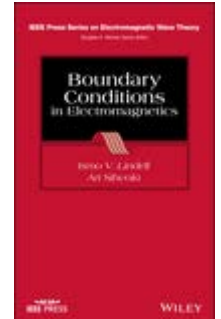
*Satellite Communications*

## Boundary Conditions in Electromagnetics

ISMO V. LINDELL & ARI SIHVOLA

Helsinki University of Technology

Boundary conditions are essential for determining electromagnetic problems. Working with engineering problems, they provide analytic assistance in mathematical handling of electromagnetic structures, and offer synthetic help for designing new electromagnetic structures. *Boundary Conditions in Electromagnetics* describes the most-general boundary conditions restricted by linearity and locality, and analyzes basic plane-wave reflection and matching problems associated to a planar boundary in a simple-isotropic medium.



This comprehensive text first introduces known special cases of particular familiar forms of boundary conditions — perfect electromagnetic conductor, impedance, and DB boundaries — and then examines various general forms of boundary conditions. Subsequent chapters discuss sesquilinear boundary conditions and practical computations on wave scattering by objects defined by various boundary conditions. The practical applications of less-common boundary conditions, such as for metamaterial and metasurface engineering, are referred to throughout the text. This book:

- Describes the mathematical analysis of fields associated to given boundary conditions
- Provides examples of how boundary conditions affect the scattering properties of a particle
- Contains ample in-chapter exercises and solutions, complete references, and a detailed index
- Includes appendices containing electromagnetic formulas, Gibbsian 3D dyadics, and four-dimensional formalism

*Boundary Conditions in Electromagnetics* is an authoritative text for electrical engineers and physicists working in electromagnetics research, graduate or post-graduate students studying electromagnetics, and advanced readers interested in electromagnetic theory.

SERIES: IEEE PRESS SERIES ON ELECTROMAGNETIC WAVE THEORY

DECEMBER 2019 268PP

**978-1-119-63236-8 CL \$145.00 (Japan)**

*Electromagnetic Theory*

SEPTEMBER 2019

**978-1-119-63242-9** [Wiley Online Library](#)

## Power Integrity for Electrical and Computer Engineers

J. TED DIBENE II & DAVID HOCKANSON

Power Integrity for Electrical and Computer Engineers embraces the most recent changes in the field, offers a comprehensive introduction to the discipline of power integrity, and provides an overview of the fundamental principles. Written by noted experts on the topic, the book goes beyond most other resources to focus on the detailed aspects of silicon and optimization techniques in order to broaden the field of study.



This important book offers coverage of a wide range of topics including signal analysis, EM concepts for PI, frequency domain analysis for PI, numerical methods (overview) for PI, and silicon device PI modeling. Power Integrity for Electrical and Computer Engineers examine platform technologies, system considerations, power conversion, system level modeling, and optimization methodologies. To reinforce the material presented, the authors include example problems. This important book:

- Includes coverage on convergence, accuracy, and error analysis and explains how these can be used to analyze power integrity problems
- Contains information for modeling the power converter from the PDN to the load in a full system level model
- Explores areas of device level modeling of silicon as related to power integrity
- Contains example word problems that are related to an individual chapter's subject

Written for electrical and computer engineers and academics, Power Integrity for Electrical and Computer Engineers is an authoritative guide to the fundamentals of power integrity and explores the topics of power integrity analysis, power integrity analytics, silicon level power integrity, and optimization techniques.

DECEMBER 2019 560PP

**978-1-119-26324-1 CL \$135.00 (Japan)**

*Electromagnetic Compatibility*

SEPTEMBER 2019

**978-1-119-26336-4** [Wiley Online Library](#)

## Wavelet Denoising Application in Medical Imaging

ABDELDJALIL OUAHABI

The persistence of noise in imaging technologies has been one of the greatest challenges to the developments of digital imaging technologies in modern medicine, such as MRIs. This text conveys the usefulness of wavelets in compact signal and image representations to denoise images and improve compression and feature detection processing. Standard imaging techniques are largely successful in modern medical practices, and denoising only aids the precision and accuracy of disease diagnoses.

DECEMBER 2019 UnknownPP

**978-1-84821-571-9 CL \$130.00 (Japan)**

*Imaging Systems & Technology*

OCTOBER 2019

**978-1-119-00540-7** [Wiley Online Library](#)

## Probability Theory

CHRISTOPHE SINTES & DOMINIQUE PASTOR

Utilizing heuristics to present some fundamentals of probability theory, this book discusses the ideas and concepts common to all random problems. It provides readers with the elementary basis of calculation of probabilities so that it can solve the vast majority of problems it encounters in signal processing, then brings the reader to a more precise knowledge of the theory of measure and Lebesgue integration from the limitations of the tools proposed.

DECEMBER 2019 UnknownPP

**978-1-84821-402-6 CL \$195.00 (Japan)**

*Signal Processing*

OCTOBER 2019

**978-1-118-57683-0** [Wiley Online Library](#)



## エネルギー

## Organic Redox Materials for Electrochemical Storage

### Recent Developments and Prospects

JEAN-CLAUDE LEPRETRE, PHILIPPE POIZOT & FRANCK DOLHEM

DECEMBER 2019 144PP

**978-1-84821-726-3 CL \$95.00 (Japan)**

*Energy Storage*

OCTOBER 2019

**978-1-119-00660-2** [Wiley Online Library](#)

## Nuclear Power

### Policies, Practices, and the Future

DARRYL SIEMER

As the world's energy sources continue to develop, with less reliance on traditional fossil fuels and more reliance on cleaner, more efficient, alternative energy sources, nuclear power continues to be a dividing point for many people. Some believe it is the answer to our energy problems for the future, while others warn of the risks. Written by a retired scientist who spent most of his career at the Idaho National Laboratory (INL), this book aims to delve into the issues surrounding nuclear power and dispel its myths, while building an argument for why the United States should develop a nuclear power plan for the future.

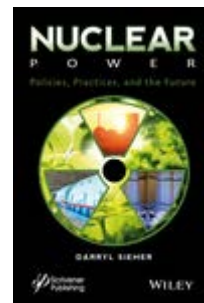
As a "whistleblower," the author spent much of the last ten years of his career at the INL raising concerns about how its mission of serving as the Department of Energy's lead laboratory in radioactive waste management was not being properly managed. While the United States continues to tread water on the issue of nuclear energy, the author believes that a nuclear "renaissance" is not only possible but is necessary for meeting the world's growing demand for energy, especially clean energy.

With fossil fuels slowly dying out and renewable energy sources not able to handle the demand for a continuously growing energy-consuming public, nuclear is an obvious solution. This book is a must-have for any engineer working in nuclear power, students hoping to go into that industry, and other engineers and scientists interested in the subject. This book is both "technical" and "political" because they're equally important in determining what actually happens in institutions dealing with technical problems.

DECEMBER 2019 294PP

**978-1-119-65778-1 CL \$195.00 (Japan)**

*Nuclear Energy*

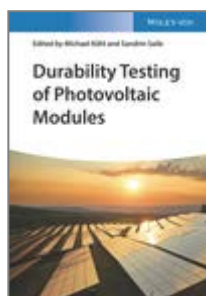


## Weathering of PV Modules

MICHAEL KÖHL

This first book on durability studies of photovoltaic modules provides the background information on this hot topic, including operating conditions and stress factors. The experienced author team covers various accelerated life tests, including single stress-factor tests and combi-tests.

A must-have for the photovoltaic industry as well as researchers (material scientists, physicists and chemists) working in the field.



DECEMBER 2019 300PP

**978-3-527-33925-9 CL \$175.00 (Japan)**

*Solar Energy & Photovoltaics*

JULY 2020

**978-3-527-69427-3 Wiley Online Library**

## Transient Analysis of Power Systems

A Practical Approach

Editor DR. JUAN A. MARTINEZ-VELASCO  
Universitat Politècnica de Catalunya

Transient Analysis of Power Systems: A Practical Approach offers an authoritative guide to the traditional capabilities and the new software and hardware approaches that can be used to carry out transient studies and make possible new and more complex research. The book explores a wide range of topics from an introduction to the subject to a review of the many advanced applications, involving the creation of custom-made models and tools and the application of multicore environments for advanced studies.

The authors cover the general aspects of the transient analysis such as modelling guidelines, solution techniques and capabilities of a transient tool. The book also explores the usual application of a transient tool including over-voltages, power quality studies and simulation of power electronics devices. In addition, it contains an introduction to the transient analysis using the ATP. All the studies are supported by practical examples and simulation results. This important book:

- Summarises modelling guidelines and solution techniques used in transient analysis of power systems
- Provides a collection of practical examples with a detailed introduction and a discussion of results
- Includes a collection of case studies that illustrate how a simulation tool can be used for building environments that can be applied to both analysis and design of power systems
- Offers guidelines for building custom-made models and libraries of modules, supported by some practical examples
- Facilitates application of a transients tool to fields hardly covered with other time-domain simulation tools
- Includes a companion website with data (input) files of examples presented, case studies and power point presentations used to support cases studies

Written for EMTP users, electrical engineers, Transient Analysis of Power Systems is a hands-on and practical guide to advanced applications of power system transients that includes a range of practical examples.

SERIES: WILEY - IEEE

JANUARY 2020 584PP

**978-1-119-48053-2 CL \$135.00 (Japan)**

*Power Technology & Power Engineering*

DECEMBER 2019

**978-1-119-48054-9 Wiley Online Library**



## 地球科学

## Geomagnetically Induced Currents from the Sun to the Power Grid

Editor JENNIFER GANNON, Editor ANDREI SWIDINSKY & Editor ZONGHUA XU

Geomagnetic storms are a type of space weather event that can create Geomagnetically Induced Currents (GICs) which, once they reach Earth's surface, can interfere with power grids and transport infrastructure. Understanding the characteristics and impacts of GICs requires scientific insights from solar physics, magnetospheric physics, aeronomy, and ionospheric physics, as well as geophysics and power engineering. *Geomagnetically Induced Currents from the Sun to the Power Grid* is a practical introduction for researchers and practitioners that provides tools and techniques from across these disciplines.

Volume highlights include:

- Analysis of causes of geomagnetic storms that create GICs
- Data and methods used to analyze and forecast GIC hazard
- GIC impacts on the infrastructure of the bulk power system
- Analysis techniques used in different areas of GIC research
- New methods to validate and predict GICs in transmission systems

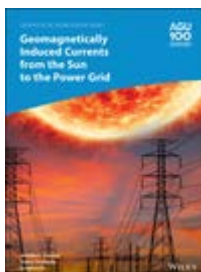
SERIES: GEOPHYSICAL MONOGRAPH SERIES  
DECEMBER 2019 256PP

**978-1-119-43434-4 CL \$199.95 (Japan)**

*Geology & Geophysics*

SEPTEMBER 2019 256PP

**978-1-119-43441-2** [Wiley Online Library](#)

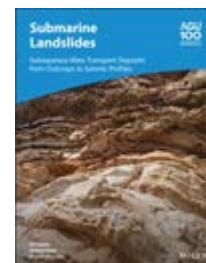


## Submarine Landslides

Subaqueous Mass Transport Deposits from Outcrops to Seismic Profiles

KEI OGATA, ANDREA FESTA & GIAN ANDREA PINI

Landslides are common in every subaqueous geodynamic context, from passive and active continental margins to oceanic and continental intraplate settings. They pose significant threats to both offshore and coastal areas due to their frequency, dimensions, and terminal velocity, capacity to travel great distances, and ability to generate potentially destructive tsunamis. Submarine



*Landslides: Subaqueous Mass Transport Deposits from Outcrops to Seismic Profiles* examines the mechanisms, characteristics, and impacts of submarine landslides.

Volume highlights include:

- Data on submarine landslide deposits at various scales
- Worldwide collection of case studies from on- and off-shore
- Use of different methodological approaches, from geophysics to field-based geology
- Potential risks to human society and infrastructure
- Impacts on the hydrosphere, atmosphere, and lithosphere

SERIES: GEOPHYSICAL MONOGRAPH SERIES  
DECEMBER 2019 384PP

**978-1-119-50058-2 CL \$199.95 (Japan)**

*Structural Geology & Tectonics*

OCTOBER 2019 384PP

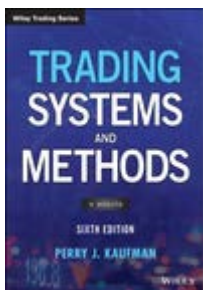
**978-1-119-50051-3** [Wiley Online Library](#)

## ファイナンス／インベストメント

## Trading Systems and Methods 6th Edition

PERRY J. KAUFMAN

Professional and individual traders have relied on Trading Systems and Methods for over three decades. Acclaimed trading systems expert Perry Kaufman provides complete, authoritative information on proven indicators, programs, systems, and algorithms. Now in its sixth edition, this respected book continues to provide readers with the knowledge required to develop or select the trading programs best suited for their needs. In-depth discussions of basic mathematical and statistical concepts instruct readers on how much data to use, how to create an index, how to determine probabilities, and how best to test your ideas. These technical tools and indicators help readers identify trends, momentum, and patterns, while an analytical framework enables comparisons of systematic methods and techniques.



This updated, fully-revised edition offers new examples using stocks, ETFs and futures, and provides expanded coverage of arbitrage, high frequency trading, and sophisticated risk management models. More programs and strategies have been added, such as Artificial Intelligence techniques and Game Theory approaches to trading. Offering a complete array of practical, user-ready tools, this invaluable resource:

- Offers comprehensive revisions and additional mathematical and statistical tools, trading systems, and examples of current market situations
- Explains basic mathematical and statistical concepts with accompanying code
- Includes new Excel spreadsheets with genetic algorithms, TradeStation code, MetaStock code, and more
- Provides access to a companion website packed with supplemental materials

Trading Systems and Methods is an indispensable reference on trading systems, as well as system design and methods for professional and individual active traders, money managers, trading systems developers.

SERIES: WILEY TRADING

DECEMBER 2019 1200PP

**978-1-119-60535-5 CL \$125.00 (Japan)***Trading*

## The PayTech Book

The Payment Technology Handbook for Investors, Entrepreneurs, and FinTech Visionaries

SUSANNE CHISHTI, TONY CRADDOCK &amp; ROBERT COURTNEIDGE

Written by prominent thought leaders in the global fintech investment space, this book aggregates diverse industry expertise into a single informative volume to provide entrepreneurs, bankers and investors with the answers they need to capitalize on this lucrative market. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes:

- The definition of PayTech, how it fits into the FinTech ecosystem, and why it matters
- The key players -- regulated and unregulated
- Security
- Regulation and compliance
- Investment in PayTech and what consolidation or expansion is likely
- Drivers of change -- regulation, technology, investment, consumers
- Payment systems -- how they work now, how PayTech can improve them
- Wholesale payments and treasury
- Users of payments
- The future of PayTech
- Paytech as an agent for social change



DECEMBER 2019 272PP

**978-1-119-55191-1 PB \$30.00 (Japan)***Finance & Investments Special Topics*

JANUARY 2020 272PP

**978-1-119-55197-3** **Wiley Online Library**

## Applications of Computational Intelligence in Data-Driven Trading

CRIS DOLOC

The main objective of this book is to create awareness about both the promises and the formidable challenges that the era of Data-Driven Decision-Making and Machine Learning are confronted with, and especially about how these new developments may influence the future of the financial industry.

The subject of Financial Machine Learning has attracted a lot of interest recently, specifically because it represents one of the most challenging problem spaces for the applicability of Machine Learning. The author has used a novel approach to introduce the reader to this topic:

- The first half of the book is a readable and coherent introduction to two modern topics that are not generally considered together: the data-driven paradigm and Computational Intelligence.
- The second half of the book illustrates a set of Case Studies that are contemporarily relevant to quantitative trading practitioners who are dealing with problems such as trade execution optimization, price dynamics forecast, portfolio management, market making, derivatives valuation, risk, and compliance.

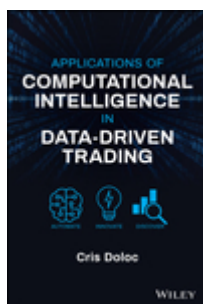
The main purpose of this book is pedagogical in nature, and it is specifically aimed at defining an adequate level of engineering and scientific clarity when it comes to the usage of the term "Artificial Intelligence," especially as it relates to the financial industry.

The message conveyed by this book is one of confidence in the possibilities offered by this new era of Data-Intensive Computation. This message is not grounded on the current hype surrounding the latest technologies, but on a deep analysis of their effectiveness and also on the author's two decades of professional experience as a technologist, quant and academic.

DECEMBER 2019 256PP

**978-1-119-55050-1 CL \$60.00 (Japan)**

*Finance & Investments Special Topics*



## Private Capital Investing The Handbook of Private Debt and Private Equity

ROBERTO IPPOLITO

Private Capital Investing: The Handbook of Private Debt and Private Equity is a practical manual on investing in the two of the most common alternative asset classes (private equity and private debt) and provides a unique insight on how principal investors analyze investment opportunities. Unlike other textbooks available in the market, Private Capital Investing covers the various phases that principal investors follow when analyzing a private investment opportunity.

The book combines academic rigor with the practical approach used by leading institutional investors. Chapters are filled with practical examples, Excel workbooks (downloadable from the book website), examples of legal clauses and contracts, and Q&A. Cases are referred at the end of every chapter to test the learning of the reader. Instructors will find referrals to both third-party cases or cases written by the author.

- Covers analytical tools
- Includes the most common methods used to structure a debt facility and a private equity transaction
- Looks at the main legal aspects of a transaction
- Walks readers through the different phases of a transaction from origination to closing

Bridging the gap between academic study and practical application, Private Capital Investing enables the reader to be able to start working in private equity or private debt without the need for any further training. It is intended for undergraduates and MBA students, practitioners in the investment banking, consulting and private equity business with prior academic background in corporate finance and accounting.

SERIES: WILEY FINANCE

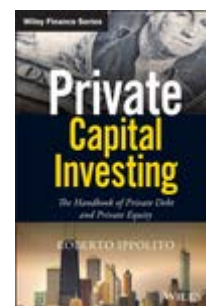
DECEMBER 2019 256PP

**978-1-119-52616-2 CL \$58.00 (Japan)**

*Finance & Investments Special Topics*

DECEMBER 2019

**978-1-119-52614-8** **Wiley Online Library**





## 地理学

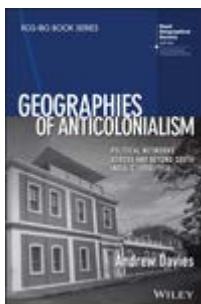
## Geographies of Anticolonialism

### Political Networks Across and Beyond South India, c. 1900-1930

ANDREW DAVIES

A fresh approach to scholarship on the diverse nature of Indian anticolonial processes.

- Brings together a varied selection of literature to explore Indian anticolonialism in new ways
- Offers a different perspective to geographers seeking to understand political resistance to colonialism
- Addresses contemporary studies that argue nationalism was joined by other political processes, such as revolutionary and anarchist ideologies, to shape the Indian independence movement
- Includes a focus on a specific anticolonial group, the "Pondicherry Gang," and investigates their significant impact which went beyond South India
- Helps readers understand the diverse nature of anticolonialism, which in turn prompts thinking about the various geographies produced through anticolonial activity



SERIES: RGS-IBG BOOK SERIES

DECEMBER 2019 240PP

**978-1-119-38154-9 CL \$94.95 (Japan)***Political Geography*

DECEMBER 2019 240PP

**978-1-119-38155-6 PB \$39.95 (Japan)***Political Geography*

DECEMBER 2019

**978-1-119-38158-7** [Wiley Online Library](#)

## Economic Geography

### A Contemporary Introduction

NEIL COE, PHILIP KELLY &amp; HENRY W. C. YEUNG

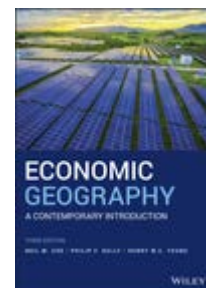
University of Manchester, UK; University of York, UK; National University of Singapore

Economic Geography is an engaging and accessible introduction to the different ways modern economic geographers understand, analyze, and interpret economic processes. This comprehensive text addresses significant questions relevant to contemporary economic life, from the activities of transnational corporations to issues surrounding workplaces and consumption. It encourages readers to explore how spatial patterns, places, networks, and territories shape large-scale economic processes. Accessible, highly-illustrated material presents fresh insights from the field--complemented by relatable, real-world examples that help students understand the social, cultural, and political contexts underpinning global economic processes.

Now in its third edition, this extensively revised and updated textbook retains the features and thematic structure that have proved popular with students and instructors alike, while adding exciting new content. New chapters explore how the global economy and global development are institutionalized and governed, the economic geographies of global climate change, economic practices outside the capitalist mainstream, the role of migrants in labour markets, global production networks, and more.

- Introduces economic geography with a thematic approach including major concepts, current debates, and case studies
- Revised and updated to enhance international coverage, including three entirely new chapters on international development, alternative economies, and global climate change
- Substantial new content on labour migration, global production networks, and recent intellectual trends such as evolutionary economic geography
- Highly illustrated with diagrams and photographs closely integrated into the text
- Pedagogical aids including key case studies, learning objectives, text boxes, chapter essay questions, summaries, and further reading
- Core geographical concepts -- such as place, networks and territory -- are closely integrated into all chapters.

DECEMBER 2019 513PP

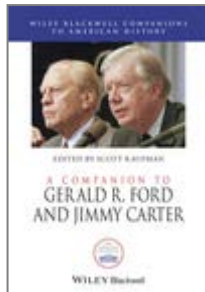
**978-1-119-38955-2 PB \$49.95 (Japan)***Economic Geography*



## A Companion to Gerald R. Ford and Jimmy Carter

Editor SCOTT KAUFMAN  
Francis Marion University, USA

- Brings together 30 historiographical essays on the presidencies of Gerald Ford and Jimmy Carter written by established and rising scholars
- Examines important national and international events during the 1970s, as well as presidential initiatives, crises, and legislation
- Discusses the biography of each man before entering the White House, his legacy and work after leaving office, and the lives of Betty Ford, Rosalynn Carter, and their families
- Covers key themes and issues, including Watergate and the pardon of Richard Nixon, the Vietnam War, neoconservatism and the rise of the New Right, and the Iran hostage crisis
- Creates a comprehensive picture of the Ford and Carter presidencies using the most recent research and newly released documents



READERSHIP: Students and scholars of contemporary American history

SERIES: WILEY BLACKWELL COMPANIONS TO AMERICAN HISTORY  
DECEMBER 2019 624PP

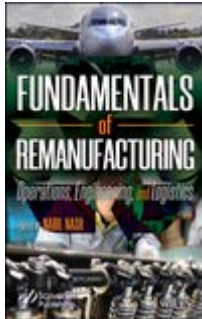
**978-1-119-18727-1 PB \$54.95 (Japan)**

*20th Century America*

## Fundamentals of Remanufacturing Operations, Engineering and Logistics

NABIL NASR

Economic growth and rising levels of consumption in developing and developed countries has been observed as being deeply coupled with natural resource usage and material consumption. The increasing need for natural resources has raised concerns regarding issues such as resource scarcity, undesirable environmental impacts due to material extraction, primary production, and suboptimal product disposal, and social or political tensions. Product End-of-Life (EoL) options, such as reusing or recycling, attempt to limit or reduce the amount of waste sent to a landfill, providing strategic means to decouple the link between economic growth and resource usage. These EoL options have the potential to close material loops, further utilizing wastes as resources, reducing environmental impacts, conserving natural resources, reducing material prices, and providing job opportunities in developing countries.



Remanufacturing, on the other hand, is a unique EoL option due to increasing the number of life cycles of a product before final disposal. First, recurring environmental benefits, such as emission and raw material extraction avoidance are obtained with each additional product life cycle. Second, individual resource efficiency yields increase through product remanufacture. Resource efficiency or, using more with less will continue to compound with each additional life cycle. Third, recirculating products decreases the demand and dependency for primary resource production, further closing the material loop and creating a more circular economy. In addition, remanufacturing can initiate more preferable EoL options such as recovery, recycling, and waste reduction. While remanufacturing offers numerous benefits, there is significant lack of literature and books covering the fundamentals of operations, technologies and business models. The proposed book will provide in-depth coverage of remanufacturing fundamentals and its strong link to circular economy and resource efficiency.

DECEMBER 2019 235PP

**978-1-118-41410-1 CL \$175.00 (Japan)**

*Industrial Engineering / Manufacturing*

## ライフスタイル

## Ballet For Dummies

SCOTT SPECK &amp; EVELYN CISNEROS

Whether you want to participate in ballet or just watch it, the ballet experience can excite and inspire you. Ballet is among the most beautiful forms of expression ever devised: an exquisite mix of sight and sound, stunning, aesthetics, and awesome technique.

Ballet For Dummies is for anyone who wants to enjoy all that the dance forms offers -- as an onlooker who wants to get a leg up on the forms you're likely to see or as an exercise enthusiast who understands that the practice of ballet can help you gain:

- More strength
- Greater flexibility
- Better body alignment
- Confidence in movement
- Comfort through stress reduction
- Infinite grace -- for life

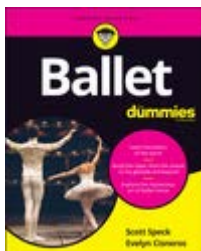
From covering the basics of classical ballet to sharing safe and sensible ways to try your hand (and toes) at moving through the actual dance steps, this expert reference shows you how to:

- Build your appreciation for ballet from the ground up.
- Choose the best practice space and equipment.
- Warm up to your leap into the movements.
- Locate musical options for each exercise.
- Look for certain lifts in a stage performance.
- Tell a story with gestures.
- Picture a day in the life of a professional ballet dancer.
- Identify best-loved classic and contemporary ballets.
- Speak the language of ballet.

Today you can find a ballet company in almost every major city on earth. Many companies have their own ballet schools -- some for training future professionals, and others for interested amateurs. As you fine-tune your classical ballet technique -- or even if you just like to read about it -- you'll become better equipped to fully appreciate the great choreography and many styles of the dance. Ballet For Dummies raises the curtain on a world of beauty, grace, poise, and possibility!

Ballet For Dummies (9781119643104) was previously published as Ballet For Dummies (9780764525681). 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.

JANUARY 2020 384PP

**978-1-119-64310-4 PB \$24.99 (Japan)***Television, Movies & Theatre*

## Instant Pot For Dummies

WENDY JO PETERSON &amp; ELIZBETH SHAW

Wondering how get the most out of your Instant Pot? This one-of-a-kind guide will walk you through what you need to know to start cooking with your Instant Pot today. It covers what you can cook to setting functions to keeping your pot looking (and smelling!) like new, plus what will happen step-by-step through the cooking process. Authorized by Instant Pot, it also provides 150 tasty and friendly recipes for making delicious mains, appetizers, sides, breakfasts, and desserts--in a flash.

Inside, you'll get the lowdown on getting to know your pot and all its features along with keeping your pot looking like new. Discover all that you and your Instant Pot can achieve, from cooking fluffy rice, beans from scratch, and creating roasts, soups, vegetarian, Mediterranean, Keto, and Indian dishes, to making homemade yogurt, baby food, and decadent desserts.

- Prep, set it, and go
- Covers all models
- Get hours back in your day
- Save time without losing flavor
- Baby-friendly recipes

Includes complete nutritional analysis for each recipe plus top 8 allergen identification, as well as low sodium, low carb, keto and vegan recipes created by two dietitians! Now you can serve up home-cooked meals in a fraction of the time of a slow cooker--without feeling guilty about not spending a lot of time in your kitchen.

DECEMBER 2019 360PP

978-1-119-64140-7 PB \$22.99 (Japan)

*Cooking*

## Freshwater Aquariums For Dummies

### 3rd Edition

MADRLAINE HELEINE

Aquarium fish are one of the most popular pets in America, with close to 150 million fish owned in nearly 13 million households. They seem like easy pets to care for, but there's more than meets the eye when it comes to keeping your freshwater friends healthy and happy! Inside, you'll find basic information to start your own freshwater aquarium, purchase and maintain healthy fish and plants, and find tips and tricks on how to introduce new fish and systems into your aquatic family.

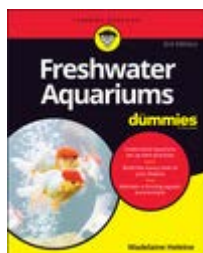
- Understand the best aquarium set-up practices
- Build the luxury tanks of your dreams
- Maintain a thriving aquatic environment
- Discover many different ways to expand your hobby

Perfect for beginner hobbyists and longtime aquarium enthusiasts alike, *Freshwater Aquariums For Dummies* makes it easier than ever to set up and take care of a freshwater aquarium--and the fish within it.

DECEMBER 2019 400PP

**978-1-119-60139-5 PB \$24.99 (Japan)**

*Pet Care / Other Animals*



## Knitting For Dummies

### 3rd Edition

PAM ALLEN, SHANNON OKEY, TRACY BARR, Indianapolis, United States & MARLY BIRD

This revised and refreshed third edition of *Knitting For Dummies* features new knitting patterns, refreshed and additional projects, a new bibliography and suppliers list, and improved step-by-step knitting instructions. Plus, from the book, you can access step-by-step instructional videos online that enable you to see and practice the knitting techniques found in the book.

From casting on to knitting in the round--and more--this new edition provides refreshed content and new images and access to online videos to help you follow along with the text. The book's user-friendly online instructional videos empower you to get started knitting immediately.

- Includes refreshed knitting projects
- Empowers you to confidently knit your own handmade creations
- A brand-new edition of the bestselling guide to knitting

*Knitting For Dummies* (9781119643203) was previously published as *Knitting For Dummies* (9781118661512). 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.

DECEMBER 2019 408PP

**978-1-119-64320-3 PB \$24.99 (Japan)**

*Hobbies & Crafts*



## ライフサイエンス

## Human Drug Metabolism

### 3rd Edition

MICHAEL D. COLEMAN, *United Kingdom*  
University of Aston, UK

The third edition of this key text continues to provide an invaluable introduction to the core areas of pharmacology, and covers recent progress and advances in this fast moving field. It will continue to cover basic concepts of teaching drug metabolism starting from extreme clinical consequences to systems and mechanisms and toxicity. The new edition will retain this basic layout, but will be fully updated to reflect advances in the scientific field of drug metabolism and its clinical impact. It will also reflect refinements in the author's own teaching methods, particularly with respect to helping students to understand biological systems and how they operate so they can be seen as predictable, rather than the usual default rote-learning approach that many adopt. This approach has usually been confined to life-science students who might gravitate to research. However, the author is hoping to also help clinically active individuals, by enabling them to grasp a more sophisticated approach to drug metabolism and retain it to augment their professional performance.

DECEMBER 2019 688PP

**978-1-119-45856-2 PB \$89.95 (Japan)**

*Cell & Molecular Biology*

DECEMBER 2019

**978-1-119-65801-6** [Wiley Online Library](#)

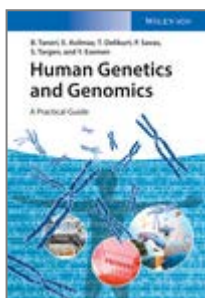
## Human Genetics and Genomics

### A Practical Guide

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

Finally meeting the need for a laboratory manual on human genetics, this practical guide is the perfect companion title to all major standard textbooks on the subject. The authors all have a high-level research background and are actively involved in teaching and counseling.

Based on a standard curriculum in human genetics, each chapter equals one practical unit of the course and topics range from basics in human inheritance to genetics in major disease clusters and from bioinformatics and personalized medicine to genetic counseling.



FEBRUARY 2020 128PP

**978-3-527-33748-4 PB \$80.00 (Japan)**

*Human Genetics*

## Plant Nucleotide Metabolism: Biosynthesis, Degradation and Alkaloid Formation

HIROSHI ASHIHARA & ALAN CROZIER

*Department of Biology, Ochanomizu University, Tokyo; University of Glasgow*

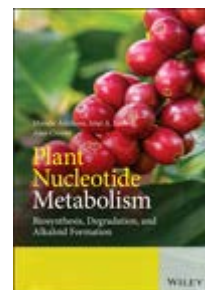
All organisms produce nucleobases, nucleosides and nucleotides of purines and pyrimidines. Plant Nucleotide Metabolism is the first book to focus on plants which exhibit important differences to other organisms in key areas of purine nucleotide metabolism and function.

This book provides comprehensive information on purine nucleotide structures and metabolic pathways and the role of purine nucleotides in plant development and, when ingested, their potential effects on human health.

It is a unique resource on a diversity of topics and as such is essential reading for students, researchers, and lecturers in plant biochemistry, physiology, chemistry, agricultural sciences, nutrition and the associated applied fields of research.

Topic covered include:

- Structures of Nucleotide-Related Compounds
- Nucleotide Biosynthesis and Interconversions
- Salvage Pathways of Purine Nucleotide Biosynthesis
- Interconversion of Nucleotides
- Growth and Development
- Environmental Effects
- Biosynthesis of Purine Alkaloids
- Physiological and Ecological Aspects of Purine Alkaloid Biosynthesis
- Metabolism of Purine Alkaloids and Biotechnology
- Bioavailability and Potential Impact on Health of Caffeine, Theobromine and Trigonelline



DECEMBER 2019 500PP

**978-1-119-47612-2 CL \$190.00 (Japan)**

*Plant Biochemistry*

NOVEMBER 2019

**978-1-119-47613-9** [Wiley Online Library](#)

## Biology and Mathematics

### History and Challenges

ROGER BUIS

DECEMBER 2019 246PP

**978-1-78630-483-4 CL \$135.00 (Japan)**

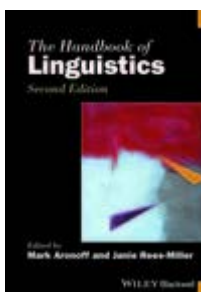
*Bioinformatics & Computational Biology*



## The Handbook of Linguistics 2nd Edition

Editor MARK ARONOFF & Editor JANIE REES-MILLER  
Stony Brook University, Stony Brook, NY, USA; Marietta College,  
Ohio, USA

This second edition of *The Handbook of Linguistics* provides an updated and timely overview of the field of linguistics. The editor's broad definition of the field ensures that the book may be read by those seeking a comprehensive introduction to the subject, but with little or no prior knowledge of the area. Building on the popular first edition, this new edition features new and revised content reflecting advances within the discipline. New chapters expand the already broad coverage of the Handbook to address and take account of key changes within the field in the intervening years. It explores: psycholinguistics, linguistic anthropology and ethnolinguistics, sociolinguistic theory, language variation and second language pedagogy. With contributions from a global team of leading linguists, this comprehensive and accessible volume is the ideal resource for those engaged in study and work within the dynamic field of linguistics.



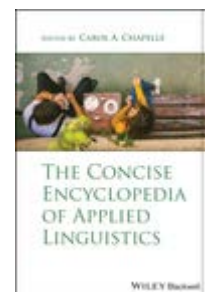
SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS  
DECEMBER 2019 712PP

**978-1-119-30207-0 PB \$57.95 (Japan)**  
*General & Introductory Linguistics*

## The Concise Encyclopedia of Applied Linguistics

CAROL A. CHAPPELLE  
Iowa State University, USA

Applied linguistics is an interdisciplinary field that identifies, examines, and seeks solutions to real-life language-related issues. Typically occurring in situations of language contact and technological innovation, language problems range from explaining misunderstandings in face-to-face oral conversation to designing automated speech recognition systems for business. The *Concise Encyclopedia of Applied Linguistics* covers the fundamentals of the discipline, introducing readers to the concepts, research, and methods used by applied linguists working in the field. This succinct, reader-friendly volume offers a collection of entries that cover a range of language problems and the analytic approaches developed to address them.



This abridged reference work has been compiled from the most-accessed entries from *The Encyclopedia of Applied Linguistics* ([www.encyclopediaofappliedlinguistics.com](http://www.encyclopediaofappliedlinguistics.com)), the more extensive volume which is available in print and digital format in 1000 libraries spanning 50 countries worldwide. Alphabetically-organized entries help readers gain an understanding of the essentials of the field by covering topics such as multilingualism, language policy and planning, language assessment and testing, translation and interpreting, and many others.

Accessible for readers who are new to applied linguistics, *The Concise Encyclopedia of Applied Linguistics*:

- Includes entries written by experts in a broad range of areas within applied linguistics
- Explains the theory and research approaches used in the field for analysis of language, language use, and contexts of language use
- Demonstrates the connections among theory, research, and practice in the study of language issues
- Provides a perfect starting point for pursuing essential topics in applied linguistics

Designed to offer readers an introduction to the range of topics and approaches within the field, *The Concise Encyclopedia of Applied Linguistics* is ideal for new students of applied linguistics and for researchers in the field as a first point of reference.

DECEMBER 2019 1120PP  
**978-1-119-14736-7 PB \$59.95 (Japan)**  
*Applied Linguistics*



## The Handbook of Translation and Cognition

Editor JOHN W. SCHWIETER & Editor ALINE FERREIRA  
Wilfrid Laurier University, Waterloo, Canada; University of  
California Santa Barbara, USA

The Handbook of Translation and Cognition is a pioneering, state-of-the-art investigation of cognitive approaches to translation and interpreting studies (TIS).

- Offers timely and cutting-edge coverage of the most important theoretical frameworks and methodological innovations
- Contains original contributions from a global group of leading researchers from 18 countries
- Explores topics related to translator and workplace characteristics including machine translation, creativity, ergonomic perspectives, and cognitive effort, and competence, training, and interpreting such as multimodal processing, neurocognitive optimization, process-oriented pedagogies, and conceptual change
- Maps out future directions for cognition and translation studies, as well as areas in need of more research within this dynamic field



SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS  
DECEMBER 2019 600PP

**978-1-119-24145-4 PB \$54.95 (Japan)**

*Applied Linguistics*

## Sociolinguistic Styles

JUAN MANUEL HERNÁNDEZ-CAMPOY  
University of Murcia, Spain

Sociolinguistic Styles presents a new and in-depth, historically rooted overview of the phenomenon of style-shifting in sociolinguistic variation. Written by an internationally acclaimed expert in the field, the text explores why, where and when it occurs.

- Full examination of the complex phenomenon of style-shifting in sociolinguistics, focusing on its nature and social motivations, as well as on the mechanisms for its usage and its effects
- In-depth, up-to-date critical overview of the different theoretical approaches accounting for stylistic variation, exploring their historical roots not only in sociolinguistics and stylistics or semiotics but also in classical fields such as rhetoric and oratory
- Coverage of a wide range of related concepts and issues, from the oldest Greek ethos and pathos or Roman elocutio and pronuntiatio to the contemporary enregisterment, stylisation, stance, or crossing
- Written by an academic who has been instrumental in developing theory in this area of sociolinguistics

SERIES: LANGUAGE IN SOCIETY  
DECEMBER 2019 256PP

**978-1-119-55543-8 PB \$49.95 (Japan)**

*Sociolinguistics*

## Grammatical Number in Welsh Diachrony and Typology

SILVA NURMIO

The first comprehensive treatment of grammatical number in Welsh - an intriguing, yet relatively neglected area in the study of number phenomena.

- Comprises major contributions to the study of grammatical number based on a new corpus collected from Middle Welsh texts and a reassessment of data from Old and Modern Welsh
- Approaches number in Welsh from a cross-linguistic perspective, providing data that can be used by Welsh linguists, Celticists, and non-specialized linguists with no previous knowledge of the language
- Offers new answers to whether certain noun types are number categories and explores the significance of literary genre to the study of older language stages
- Integrates both diachronic and typological perspectives
- Includes new findings on minor numbers, mass nouns and their agreement and the loss of dual number which will prove to be of interest to all linguists

SERIES: PUBLICATIONS OF THE PHILOLOGICAL SOCIETY

DECEMBER 2019 256PP

**978-1-119-61526-2 PB \$35.00 (Japan)**

*Sociolinguistics*

## 文学

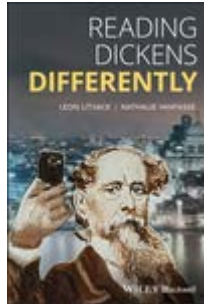
## Reading Dickens Differently

LEON LITVACK &amp; NATHALIE VANFASSE

DECEMBER 2019 224PP

**978-1-119-60222-4 PB \$50.00 (Japan)***English Literature*

NOVEMBER 2019

**978-1-119-60226-2****Wiley Online Library**

## A Concise Companion to the Study of Manuscripts, Printed Books, and the Production of Early Modern Texts

A Festschrift for Gordon Campbell

Editor EDWARD JONES

Oklahoma State University, USA

Bringing together a broad range of case studies written by a team of international scholars, this Concise Companion establishes how manuscripts and printed books met the needs of two different approaches to literacy in the early modern period.

- Features essays illustrating the particular ways a manuscript and a printed book reflect the different emphases of an elite, private and an egalitarian, public culture, both of which account for the literary achievements of the Renaissance
- Includes wide-ranging essays, from printing the Gospels in Arabic to a contemporary reconceptualization of Shakespeare's *Titus Andronicus*
- Increases accessibility through a rubric organized around archival and manuscript studies; the provenance of texts and the authority of editions; and studies of genre, religion and literary history
- Announces the recovery of archival documents, which in some instances are over four hundred years old
- Places translations of Milton's Latin, Greek, and Italian alongside the original texts to increase accessibility for a wide audience of students and scholars
- Provides an invaluable platform for highlighting on-going attention to the history of the book and its corollary subjects of reading and writing practices in the 1500s and 1600s



SERIES: CONCISE COMPANIONS TO LITERATURE AND CULTURE

DECEMBER 2019 384PP

**978-1-119-06731-3 PB \$41.50 (Japan)***Renaissance English Literature*

## 数学

## Advanced Mathematics A Transitional Reference

STANLEY J. FARLOW  
University of Maine

Most universities require students majoring in mathematics to take a "transition to higher math" course that introduces mathematical proofs and more rigorous thinking. Such courses help students be prepared for higher-level mathematics course from their onset. Advanced Mathematics: A Transitional Reference provides a "crash course" in beginning pure mathematics, offering instruction on a blend of inductive and deductive reasoning. By avoiding outdated methods and countless pages of theorems and proofs, this innovative textbook prompts students to think about the ideas presented in an enjoyable, constructive setting.

Clear and concise chapters cover all the essential topics students need to transition from the "rote-orientated" courses of calculus to the more rigorous "proof-orientated" advanced mathematics courses. Topics include sentential and predicate calculus, mathematical induction, sets and counting, complex numbers, point-set topology, and symmetries, abstract groups, rings, and fields. Each section contains numerous problems for students of various interests and abilities. Ideally suited for a one-semester course, this book:

- Introduces students to mathematical proofs and rigorous thinking
- Provides thoroughly class-tested material from the authors own course in transitioning to higher math
- Strengthens the mathematical thought process of the reader
- Includes informative sidebars, historical notes, and plentiful graphics
- Offers a companion website to access a supplemental solutions manual for instructors

Advanced Mathematics: A Transitional Reference is a valuable guide for undergraduate students who have taken courses in calculus, differential equations, or linear algebra, but may not be prepared for the more advanced courses of real analysis, abstract algebra, and number theory that await them. This text is also useful for scientists, engineers, and others seeking to refresh their skills in advanced math.

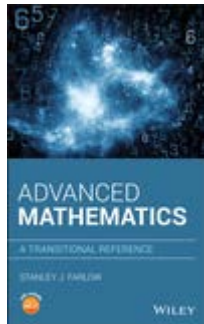
DECEMBER 2019 480PP

**978-1-119-56351-8 CL \$120.00 (Japan)**

*Calculus*

OCTOBER 2019

**978-1-119-56354-9** [Wiley Online Library](#)



## Engineering Optimization Theory and Practice 5th Edition

SINGIRESU S. RAO  
Purdue University, West Lafayette, Indiana

The thoroughly revised and updated fifth edition of Engineering Optimization: Theory and Practice offers engineers a guide to the important optimization methods that are commonly used in a wide range of industries. The author--a noted expert on the topic--presents both the classical and most recent optimizations approaches. The book introduces the basic methods and includes information on more advanced principles and applications.

The fifth edition presents four new chapters: Solution of Optimization Problems Using MATLAB; Metaheuristic Optimization Methods; Multi-Objective Optimization Methods; and Practical Implementation of Optimization. All of the book's topics are designed to be self-contained units with the concepts described in detail with derivations presented. The author puts the emphasis on computational aspects of optimization and includes design examples and problems representing different areas of engineering. Comprehensive in scope, the book contains solved examples, review questions and problems, and is accompanied by a website hosting a solutions manual. This important book:

- Offers an updated edition of the classic work on optimization
- Includes approaches that are appropriate for all branches of engineering
- Contains numerous practical design and engineering examples
- Offers more than 140 illustrative examples, 500 plus references in the literature of engineering optimization, and more than 500 review questions and answers
- Demonstrates the use of MATLAB for solving different types of optimization problems using different techniques

Written for students across all engineering disciplines, the revised edition of Engineering Optimization: Theory and Practice is the comprehensive book that covers the new and recent methods of optimization and reviews the principles and applications.

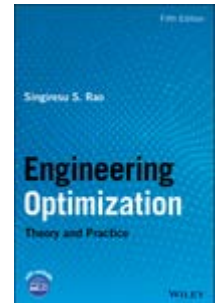
DECEMBER 2019 880PP

**978-1-119-45471-7 CL \$156.00 (Japan)**

*Optimization*

OCTOBER 2019

**978-1-119-45481-6** [Wiley Online Library](#)



## Diabetic Microvascular Disease

FRANCESCO TECILAZICH

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

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

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

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

DECEMBER 2019 264PP

**978-1-119-30960-4 CL \$199.95 (Japan)**

*Diabetes*

JANUARY 2020

**978-1-119-30964-2** [Wiley Online Library](#)

## Yamada's Handbook of Gastroenterology

4th Edition

Editor TADATAKA YAMADA, Editor JOHN M. INADOMI, Contributions by RENUKA BHATTACHARYA, Contributions by JASON A. DOMINITZ & Contributions by JOO HA HWANG  
Bill and Melinda Gates Foundation, Seattle, Washington, USA; Cyrus E. Rubin Professor and University of Washington; University of Washington; University of Washington; University of Washington

This 4th edition of *Yamada's Handbook of Gastroenterology* provides a portable, well-illustrated, rapid access handbook for gastroenterologists of all levels, perfect for quick and easy use while on the wards.

Divided into 2 parts -- part 1 being symptom-focused and part 2 disease-focused, it gives 100% clinical assessment and practical management advice for the entire range of GI symptoms, complaints and conditions that patients present with. Every symptom you're likely to encounter is covered, every condition assessed.

DECEMBER 2019 560PP

**978-1-119-51569-2 PB \$95.00 (Japan)**

*Gastroenterology*

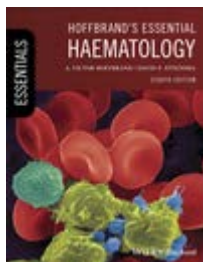
NOVEMBER 2019

**978-1-119-51577-7** [Wiley Online Library](#)

## Hoffbrand's Essential Haematology 8rd Edition

A. VICTOR HOFFBRAND & DAVID P. STEENSMA  
Royal Free Hospital, London; Harvard Medical School, USA

Essential Haematology is established as the most authoritative introduction to haematology. Beautifully presented, it introduces the formation and function of blood cells and diseases that arise from dysfunction and disruption of these processes. Basic science, diagnostic tests, clinical features and management are all clearly explained. The book outlines the basic principles of clinical and laboratory haematology and shows how manifestations of blood diseases can be explained by new knowledge of the disease processes.



SERIES: ESSENTIALS  
DECEMBER 2019 400PP

**978-1-119-49590-1 PB \$65.00 (Japan)**

*Hematology*

## The Maudsley Guidelines on Advanced Prescribing in Psychosis

PAUL MORRISON, DAVID M. TAYLOR & PHILIP MCGUIRE  
Maudsley Hospital

The goal for this text is to emphasize that treatment of psychosis must be tailored to the needs of individual patients. While a given diagnosis may suggest principle mechanisms under prescription guidelines, standard treatment of psychosis is unfeasible due to no two patients suffering from an identical illness. This text therefore aims to contrast the one-size-fits-all treatment that general medicine has taken for granted, and instead focuses on building psychiatrist and patient relationships to foster individual treatment plans.

MARCH 2020 100PP

**978-1-119-57844-4 PB \$60.00 (Japan)**

*Psychiatry*



## 機械工学

## Mass Transfers and Physical Data Estimation

ABDELHANINE BENALLOU

DECEMBER 2019 224PP

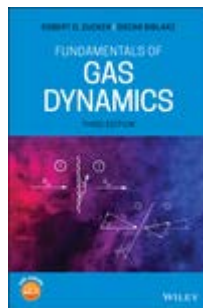
**978-1-78630-285-4 CL \$135.00 (Japan)**

*Thermodynamics*

## Fundamentals of Gas Dynamics Third Edition

ROBERT D. ZUCKER & OSCAR BIBLARZ  
*Naval Postgraduate School*

The thoroughly revised and updated third edition of *Fundamentals of Gas Dynamics* maintains the focus on gas flows below hypersonic. This targeted approach provides a cohesive and rigorous examination of most practical engineering problems in this gas dynamics flow regime. The conventional one-dimensional flow approach together with the role of temperature-entropy diagrams are highlighted throughout.



The authors--noted experts in the field--include a modern computational aid, illustrative charts and tables, and myriad examples of varying degrees of difficulty to aid in the understanding of the material presented. The updated edition of *Fundamentals of Gas Dynamics* includes new sections on the shock tube, the aerospoke nozzle, and the gas dynamic laser. The book contains all equations, tables, and charts necessary to work the problems and exercises in each chapter. This book's accessible but rigorous style:

- Offers a comprehensively updated edition that includes new problems and examples
- Covers fundamentals of gas flows targeting those below hypersonic
- Presents the one-dimensional flow approach and highlights the role of temperature-entropy diagrams
- Contains new sections that examine the shock tube, the aerospoke nozzle, the gas dynamic laser, and an expanded coverage of rocket propulsion
- Explores applications of gas dynamics to aircraft and rocket engines
- Includes behavioral objectives, summaries, and check tests to aid with learning

Written for students in mechanical and aerospace engineering and professionals and researchers in the field, the third edition of *Fundamentals of Gas Dynamics* has been updated to include recent developments in the field and retains all its learning aids.

DECEMBER 2019 550PP

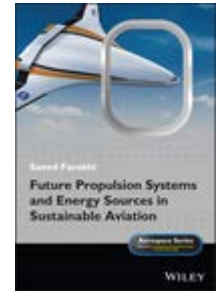
**978-1-119-48170-6 CL \$135.00 (Japan)**

*Fluid Mechanics*

## Future Propulsion Systems and Energy Sources in Sustainable Aviation

SAEED FAROKHI  
*University of Kansas*

*Future Propulsion Systems and Energy Sources: in sustainable aviation* is a comprehensive reference that offers a review of the science and engineering principles that underpin the concepts of propulsion systems and energy sources in sustainable air transportation. The author -- a noted expert in the field -- examines the impact of air transportation on the environment and reviews alternative jet fuels, hybrid-electric and nuclear propulsion and power. He also explores modern propulsion for transonic and supersonic-hypersonic aircraft and the impact of propulsion on aircraft design.



Climate change is the main driver for the new technology development in sustainable air transportation. The book contains critical review of gas turbine propulsion and aircraft aerodynamics; followed by an insightful presentation of the aviation impact on environment. Future fuels and energy sources are introduced in a separate chapter. Promising technologies in propulsion and energy sources are identified leading to pathways to sustainable aviation. To facilitate the utility of the subject, the book is accompanied by a website that contains illustrations, and equation files. This important book:

- Contains a comprehensive reference to the science and engineering behind propulsion and power in sustainable air transportation
- Examines the impact of air transportation on the environment
- Covers alternative jet fuels and hybrid-electric propulsion and power
- Discusses modern propulsion for transonic, supersonic and hypersonic aircraft
- Examines the impact of propulsion system integration on aircraft design

Written for engineers, graduate and senior undergraduate students in mechanical and aerospace engineering, *Future Propulsion Systems and Energy Sources: in sustainable aviation* explores the future of aviation with a guide to sustainable air transportation that includes alternative jet fuels, hybrid-electric propulsion, all-electric and nuclear propulsion.

SERIES: AEROSPACE SERIES

DECEMBER 2019 438PP

**978-1-119-41499-5 CL \$125.00 (Japan)**

*Aeronautic & Aerospace Engineering*

NOVEMBER 2019

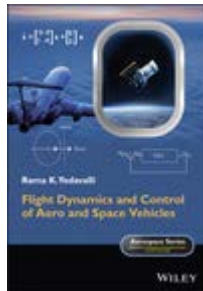
**978-1-119-41507-7** **Wiley Online Library**



## Flight Dynamics and Control of Aero and Space Vehicles

RAMA K. YEDAVALLI  
The Ohio State University, USA

Flight Vehicle Dynamics and Control presents the dynamics and control of various flight vehicles, including aircraft, spacecraft, helicopter, missiles, etc, in a unified framework. It covers the fundamental topics in the dynamics and control of these flight vehicles, highlighting shared points as well as differences in dynamics and control issues, making use of the 'systems level' viewpoint.



The book begins with the derivation of the equations of motion for a general rigid body and then delineates the differences between the dynamics of various flight vehicles in a fundamental way. It then focuses on the dynamic equations with application to these various flight vehicles, concentrating more on aircraft and spacecraft cases. Then the control systems analysis and design is carried out both from transfer function, classical control, as well as modern, state space control points of view. Illustrative examples of application to atmospheric and space vehicles are presented, emphasizing the 'systems level' viewpoint of control design.

Key features:

- Provides a comprehensive treatment of dynamics and control of various flight vehicles in a single volume.
- Contains worked out examples (including MATLAB examples) and end of chapter homework problems.
- Suitable as a single textbook for a sequence of undergraduate courses on flight vehicle dynamics and control.
- Accompanied by a website that includes additional problems and a solutions manual.

The book is essential reading for undergraduate students in mechanical and aerospace engineering, engineers working on flight vehicle control, and researchers from other engineering backgrounds working on related topics.

SERIES: AEROSPACE SERIES  
DECEMBER 2019 576PP  
**978-1-118-93445-6 CL \$100.00 (Japan)**  
*Aeronautic & Aerospace Engineering*

## Kinematics of General Spatial Mechanical Systems

M. KEMAL OZGOREN

Kinematics of General Spatial Mechanical Systems is an effective and proficient guide to the kinematic description and analysis of the spatial mechanical systems such as serial manipulators, parallel manipulators and spatial mechanisms. The author highlights the analytical and semi-analytical methods for solving the relevant equations and considers four main elements: The mathematics of spatial kinematics with the necessary theorems, formulas and methods; The kinematic description of the links and joints including the rolling contact joints; Writing the kinematic chain and loop equations for the systems to be analyzed; and Solving these equations for the unspecified variables both in the forward and inverse senses together with the multiplicity and singularity analyses.

Comprehensive in scope, the book covers topics ranging from rather elementary subjects such as spatial mechanisms with single degree of freedom to more advanced topics such as serial manipulators including redundant and deficient ones, parallel manipulators, and non-holonomic spatial cam mechanisms that involve rolling without slipping motions. The author presents an effective and accessible symbolic manipulation method making it possible to obtain neat and transparent expressions that describe the systems showing all the kinematic details. Such expressions readily lead to analytical or semi-analytical solutions. They also facilitate the identification and analysis of the multiplicities and singularities.

This all-time beneficial book:

- Provides an easy-to-use systematic formulation method that is applicable to all sorts of spatial mechanisms and manipulators
- Introduces a symbolic manipulation method, which is effective and straightforward to use, so that kinematic relationships can be simplified by using all the special geometric features of the system
- Offers an accessible format that uses a systematic and easy-to-conceive notation which has proven successful
- Presents content written by an author who is a renowned expert in the field
- Includes an accompanying website

Written for academicians, students, engineers, computer scientists and any other people working in the area of spatial mechanisms and manipulators, Kinematics of General Spatial Mechanical Systems provides a clear notation, formulation, and a logical approach to the topic and offers a fresh presentation of challenging material.

DECEMBER 2019 650PP  
**978-1-119-19573-3 CL \$120.00 (Japan)**  
*Computational / Numerical Methods*

NOVEMBER 2019  
**978-1-119-19574-0 Wiley Online Library**

## Thermomechanical Fatigue of Ceramic-Matrix Composites

LONGBIAO LI

The book systematically introduces the thermomechanical fatigue behavior of fiber-reinforced ceramic-matrix composites (CMCs) and environmental barrier coatings, including cyclic loading/unloading tensile behavior, cyclic fatigue behavior, dwell-fatigue behavior, thermomechanical fatigue behavior, and interface degradation behavior. It discusses experimental verification of CMCs and explains how to determine the thermomechanical properties. It also presents damage evolution models, lifetime prediction methods, and interface degradation rules.



Thermomechanical Fatigue of Ceramic-Matrix Composites offers chapters covering unidirectional ceramic-matrix composites and cross-ply and 2D woven ceramic-matrix composites. For cyclic fatigue behavior of CMCs, it looks at the effects of fiber volume fraction, fatigue peak stress, fatigue stress ratio, matrix crack spacing, matrix crack mode, and woven structure on fatigue damage evolution. Both the Dwell-fatigue damage evolution and lifetime predictions models are introduced in the next chapter. Experimental comparisons of the cross-ply SiC/MAS composite, 2D SiC/SiC composite, and 2D Nextel™ 720/Alumina composite are also included. Remaining sections examine: thermomechanical fatigue hysteresis loops; in-phase thermomechanical fatigue damage; out-of-phase thermomechanical fatigue; interface degradation models; and much more.

- Offers unique content dedicated to thermomechanical fatigue behavior of ceramic-matrix composites (CMCs) and environmental barrier coatings
- Features comprehensive data tables and experimental verifications
- Covers a highly application-oriented subject CMCs are being increasingly utilized in jet engines, industrial turbines, and exhaust systems

Thermomechanical Fatigue of Ceramic-Matrix Composites is an excellent book for developers and users of CMCs, as well as organizations involved in evaluation and characterization of CMCs. It will appeal to materials scientists, construction engineers, process engineers, and mechanical engineers.

OCTOBER 2019 496PP

**978-3-527-34637-0 CL \$215.00 (Japan)**

*Ceramics*

SEPTEMBER 2019

**978-3-527-82261-4** [Wiley Online Library](#)

## Surfaces Roughness and Functional Impact

MAXENCE BIGERELLE

This book covers everything readers need to know about surface roughness and its functional impact. It discusses everything from metrology to tribology and offers important information on a surface's performance and manufacturing costs. It is a very useful text for both industry professionals as well students learning numerical methods applied to multiphysics problems encountered in manufacturing processes.

DECEMBER 2019 UnknownPP

**978-1-84821-359-3 CL \$180.00 (Japan)**

*Thin Films, Surfaces & Interfaces*

OCTOBER 2019

**978-1-118-57886-5** [Wiley Online Library](#)

## Surface Science

### Foundations of Catalysis and Nanoscience

#### 4th Edition

KURT W. KOLASINSKI  
Queen Mary, University of London, UK

The revised and enhanced fourth edition of Surface Science covers all the essential techniques and phenomena that are relevant to the field. The text elucidates the structural, dynamical, thermodynamic and kinetic principles concentrating on gas/solid and liquid/solid interfaces. These principles allow for an understanding of how and why chemical transformations occur at surfaces. The author (a noted expert on in the field) combines the required chemistry, physics and mathematics to create a text that is accessible and comprehensive.

The fourth edition incorporates new end-of-chapter exercises, the solutions to which are available on-line to demonstrate how problem solving that is relevant to surface science should be performed. Each chapter begins with simple principles and builds to more advanced ones. The advanced topics provide material beyond the introductory level and highlight some frontier areas of study. This updated new edition:

- Contains an expanded treatment of STM and AFM as well as super-resolution microscopy
- Reviews advances in the theoretical basis of catalysis and the use of activity descriptors for rational catalyst design
- Extends the discussion of two-dimensional solids to reflect remarkable advances in their growth and characterization
- Delves deeper into the surface science of electrochemistry and charge transfer reactions
- Updates the "Frontiers and Challenges" sections at the end of each chapter as well as the list of references

Written for students, researchers and professionals, the fourth edition of Surface Science offers a revitalized text that contains the tools and a set of principles for understanding the field.

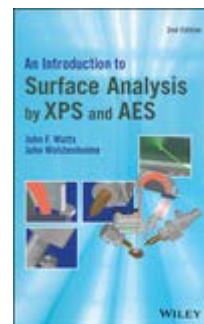
DECEMBER 2019 572PP  
**978-1-119-54663-4 CL \$95.00 (Japan)**  
*Materials Characterization*

## An Introduction to Surface Analysis by XPS and AES

### 2nd Edition

JOHN F. WATTS & JOHN WOLSTENHOLME  
University of Surrey, UK; Thermo VG Scientific, East Grinstead, UK

This accessible second edition of the bestselling book, An Introduction to Surface Analysis by XPS and AES, 2nd Edition explores the basic principles and applications of X-ray Photoelectron Spectroscopy (XPS) and Auger Electron Spectroscopy (AES) techniques. It starts with an examination of the basic concepts of electron spectroscopy and electron spectrometer design, followed by a qualitative and quantitative interpretation of the electron spectrum.



Chapters examine recent innovations in instrument design and key applications in metallurgy, biomaterials, and electronics. Practical and concise, it includes compositional depth profiling; multi-technique analysis; and everything about samples—including their handling, preparation, stability, and more. Topics discussed in more depth include peak fitting, energy loss background analysis, multi-technique analysis, and multi-technique profiling. The book finishes with chapters on applications of electron spectroscopy in materials science and the comparison of XPS and AES with other analytical techniques.

- Extensively revised and updated with new material on NAPXPS, twin anode monochromators, gas cluster ion sources, valence band spectra, hydrogen detection, and quantification
- Explores key spectroscopic techniques in surface analysis
- Provides descriptions of latest instruments and techniques
- Includes a detailed glossary of key surface analysis terms
- Features an extensive bibliography of key references and additional reading
- Uses a non-theoretical style to appeal to industrial surface analysis sectors

An Introduction to Surface Analysis by XPS and AES, 2nd Edition is an excellent introductory text for undergraduates, first-year postgraduates, and industrial users of XPS and AES.

OCTOBER 2019 288PP  
**978-1-119-41758-3 CL \$80.00 (Japan)**  
*Materials Characterization*

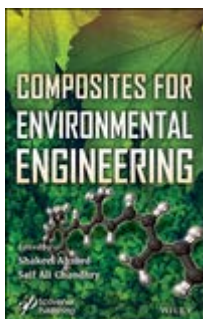
SEPTEMBER 2019  
**978-1-119-41765-1** **Wiley Online Library**

## Composites for Environmental Engineering

SHAKEEL AHMED & SAIF ALI CHAUDHRY

Composites are materials made from two or more constituent materials with significantly different physical or chemical properties. The two materials combine together to give a new material with higher strength, toughness, stiffness, but also a higher resistance to creep, corrosion, wear or fatigue compared to conventional materials. It is composed primarily of a matrix i.e. a continuous phase which is armoured with secondary discontinues reinforcement phase. These materials have been used in a variety of products viz. spacecrafts, sporting goods, catalyst, sensors, actuators, biomedical materials, batteries, cars, furniture, aircraft components, etc.

This book focusses on processing, properties of various types of composite materials, as well as their environmental engineering applications. This book examines the current state of art, new challenges, and opportunities of composites in environmental engineering. The chapters in this book covers nearly every topic related to composites in environmental engineering in four broad perspectives: (i) classification of composites (ii) green/hybrid synthesis and characterization of nano and biocomposites (iii) processing of composite materials (iv) state-of--the-art in fabricating the composites - nano and biocomposites - for environmental applications.



DECEMBER 2019 448PP

**978-1-119-55529-2 CL \$225.00 (Japan)**

*Nanomaterials*

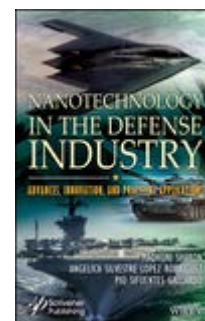
NOVEMBER 2019 448PP

**978-1-119-55534-6** [Wiley Online Library](#)

## Nanotechnology Used in the Defense Sector

MADHURI SHARON, ANGELICA S. L. RODRIGUEZ & PIO SIFUENTES GALLARDO

This book will be about various aspects related to applications and use of knowledge of nanotechnology in promoting defense activities. The area in which scientists are focusing includes (i) nano-devices such as sensors, GPS & computers, chemical & biological weapons, nano-fabrics, bulletproof materials, nano-stealth coating, use of nanotechnology in various areas of aerospace. It is intended to cover available methodologies and



understanding of technologies for these applications. Not only for destructive but also to improve medical and casualty, safety care for soldiers, and to produce lightweight, strong and multi-functional materials for use in body armour, both for protection and to provide enhanced connectivity will be covered.

DECEMBER 2019 334PP

**978-1-119-46012-1 CL \$195.00 (Japan)**

*Nanomaterials*

NOVEMBER 2019

**978-1-119-46050-3** [Wiley Online Library](#)

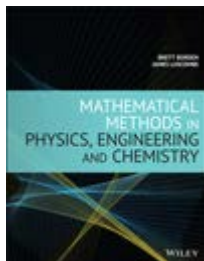


## 物理学

Mathematical Methods in Physics,  
Engineering, and Chemistry

BRETT BORDEN &amp; JAMES LUSCOMBE

Mathematical Methods in Physics, Engineering and Chemistry offers an introduction to the most important methods of theoretical physics. Written by two physics professors with years of experience, the text puts the focus on the essential math topics that the majority of physical science students require in the course of their studies. This concise text also contains worked examples that clearly illustrate the mathematical concepts presented and shows how they apply to physical problems.



This targeted text covers a range of topics including linear algebra, partial differential equations, power series, Sturm-Liouville theory, Fourier series, special functions, complex analysis, the Green's function method, integral equations, and tensor analysis. This important text:

- Provides a streamlined approach to the subject by putting the focus on the mathematical topics that physical science students really need
- Offers a text that is different from the often-found definition-theorem-proof scheme
- Includes more than 150 worked examples that help with an understanding of the problems presented
- Presents a guide with more than 200 exercises with different degrees of difficulty

Written for advanced undergraduate and graduate students of physics, materials science, and engineering, Mathematical Methods in Physics, Engineering and Chemistry includes the essential methods of theoretical physics. The text is streamlined to provide only the most important mathematical concepts that apply to physical problems.

DECEMBER 2019 456PP

**978-1-119-57965-6 CL \$125.00 (Japan)***Mathematical & Computational Physics*Surface and Interface Science  
Volume 9: Applications I / Volume 10:  
Applications II

KLAUS WANDELT

University of Bonn, Germany

In ten volumes, this unique handbook covers all fundamental aspects of surface and interface science and offers a comprehensive overview of this research area for scientists working in the field, as well as an introduction for newcomers.

Volume 1: Concepts and Methods

Volume 2: Properties of Elemental Surfaces

Volume 3: Properties of Composite

Surfaces: Alloys, Compounds, Semiconductors

Volume 4: Solid-Solid Interfaces and Thin Films

Volume 5: Solid-Gas Interfaces I

Volume 6: Solid-Gas Interfaces II

Volume 7: Liquid and Biological Interfaces

Volume 8: Interfacial Electrochemistry

Volume 9: Applications of Surface Science I

Volume 10: Applications of Surface Science II

Content of Volumes 8 &amp; 9:

- Surface Analytics with X-Ray Photoelectron and Auger Electron Spectroscopy on Coated Steel Sheets
- Applications of Graphene
- Industrial Heterogeneous Catalysis
- Automotive Catalysis
- High-Throughput Heterogeneous Catalyst Research, Development, Scale-Up, and Production Support
- Industrial Separation of Insulating Particles: Triboelectric Charging
- Friction: Friend and Foe
- Surface Science and Flotation
- Application of Surface Science to Corrosion
- Electrons, Electrodes, and the Transformation of Organic Molecules
- Self-Cleaning Surfaces: From Fundamental Aspect to Real Technical Applications
- Thin Films: Sputtering, PVD Methods and Applications
- Wafer Bonding
- Superconformal Deposition
- Spintronics: Surface and Interface Aspects
- Device Efficiency of Organic Light-Emitting Diodes
- Dye-Sensitized Solar Cells
- Electronic Nose: Current Status and Future Trends
- Surface Science in Batteries
- Surface and Interface Science in Fuel Cells Research

SERIES: WANDELT HDBK SURFACE AND INTERFACE SCIENCE V1 - V6

DECEMBER 2019 1032PP

**978-3-527-41381-2 CL \$500.00 (Japan)***Condensed Matter*

DECEMBER 2019

**978-3-527-82250-8** **Wiley Online Library**

## The Vlasov Equation

PIERRE BERTRAND, DANIELE DEL SARTO & ALAIN GHIZZO

The book is subdivided in three parts; the first one focusses on the identifying features of collective systems, as well as on the general properties, analytical exact and asymptotic solutions, derivation and history of Vlasov equation. The focus is on physical applications and on a pedagogical exposition.

The second part concerns reduced kinetic models of Vlasov (with a focus on laser-plasma interactions and magnetically confined plasmas).

The third part deals with problems and techniques of numerical integration of the Vlasov-Poisson and Vlasov-Maxwell systems in different classical and relativistic regimes.

DECEMBER 2019 316PP

**978-1-78630-261-8 CL \$155.00 (Japan)**

*Plasma Physics*

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## 哲学

## Beyond Good and Evil

### The Philosophy Classic

FRIEDRICH NIETZSCHE & TOM BUTLER-BOWDON  
Oxford, UK

Beyond Good and Evil is one of the final books by German philosopher Friedrich Nietzsche. This landmark work continues to be one of the most well-known and influential explorations of moral and ethical philosophy ever conceived. Expanding on the concepts from his previous work *Thus Spoke Zarathustra*, Nietzsche adopts a polemic approach to past philosophers who, in his view, lacked critical sense in accepting flawed premises in their consideration of morality. The metaphysics of morality, Nietzsche argues, should not assume that a good man is simply the opposite of an evil man, rather merely different expression of humanity's common basic impulses.

Controversial in its time, as well as hotly debated in the present, Nietzsche's work moves beyond conventional ethics to suggest that a universal morality for all human beings in non-existent -- perception, reason and experience are not static, but change according to an individual's perspective and interpretation. The work further argues that philosophic traditions such as "truth," "self-consciousness" and "free will" are merely inventions of Western morality and that the "will to power" is the real driving force of all human behaviour. This volume:

- Critiques the belief that actions, including domination or injury to the weak, can be universally objectionable
- Explores themes of religion and "master and slave" morality
- Includes a collection of stunning aphorisms and observations of the human condition

Part of the bestselling Capstone Classics Series edited by Tom Butler-Bowdon, this collectible, hard-back edition of *Beyond Good and Evil* provides an accessible and insightful Introduction by leading Nietzsche authority Dr Christopher Janaway. This deluxe volume is perfect for anyone with interest in philosophy, psychology, science, history and literature.

SERIES: CAPSTONE CLASSICS  
DECEMBER 2019 240PP  
**978-0-85708-848-2 CL \$13.00 (Japan)**  
*General Philosophy*



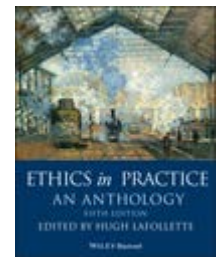
## Ethics in Practice

### An Anthology

#### 5th Edition

HUGH LAFOLLETTE  
University of South Florida

SERIES: BLACKWELL PHILOSOPHY  
ANTHOLOGIES  
DECEMBER 2019 744PP  
**978-1-119-35886-2 PB \$59.95**  
**(Japan)**  
*Applied Ethics*



## The Woods

VLADIMIR BIBIKHIN & Translator ARCH TAIT

In modern, urbanized societies, our engagement with the natural environment often seems controlled and distant, reduced to strolls through city parks or walks along well-trodden paths. Human life is now far removed from its prehistoric origins, when humans dwelt deep within the forests and depended on them for their survival.

In this important book, Vladimir Bibikhin, one of Russia's most influential 20th-century philosophers, argues that, although most humans now live far from the proximity of woods and forests, our existence remains profoundly linked with these spaces. It was Aristotle who first appreciated their primal role, even deriving his notion of "matter" from the Greek words for wood and forest. As timber, the woods may be seen as inanimate material, but at the same time they also constitute a living ecosystem and the source of energy and life. By opening up this duality, the woods are transformed from simple matter to a living environment, serving as a reminder that we belong to the world of biological life to a far greater extent than we usually think.

Drawing on a wealth of writers and thinkers including Heidegger and Darwin, *The Woods* will be of interest to students and scholars in philosophy and the humanities generally, as well as to a wider readership concerned with environmental issues and our relationship to the natural world.



READERSHIP: Students and scholars of philosophy and cultural theory; a wider readership interested in contemporary philosophy and theory.

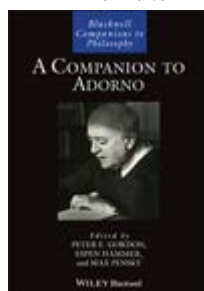
DECEMBER 2019 320PP  
**978-1-5095-2586-7 CL \$79.95 (Japan)**  
*20th Century Philosophy*

DECEMBER 2019 320PP  
**978-1-5095-2587-4 PB \$28.95 (Japan)**  
*20th Century Philosophy*

## A Companion to Adorno

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

SERIES: BLACKWELL  
COMPANIONS TO PHILOSOPHY  
DECEMBER 2019 664PP  
**978-1-119-14691-9 CL \$190.00**  
(Japan)  
*20th Century Philosophy*



DECEMBER 2019  
**978-1-119-14694-0** **Wiley Online Library**

## Meditations The Philosophy Classic

MARCUS AURELIUS & TOM BUTLER-BOWDON  
Oxford, UK

Meditations is a series of personal journals written by Marcus Aurelius, Emperor of Rome from 169 to 180 AD. The last of the "Five Good Emperors," he was the most powerful and influential man in the Western world at the time. Marcus was one of the leaders of Stoicism, a philosophy of personal ethics which sought resilience and virtue through personal action and responsibility.

Stoicism, viewed as a foundation of modern self-help, has inspired many personal development and psychotherapy approaches through to the present day.

Meditations is perhaps the most important source of our modern understanding of Stoic philosophy. Its twelve books chronicle different stages of Marcus Aurelius' life and ideas. Although he ruled during the Pax Romana, the age of relative peace and stability throughout the empire, his reign was marked by near-constant military conflict and a devastating plague which killed upwards of five million people. Aurelius' writings give modern readers an unprecedented look into the "spiritual exercises" which helped him through his tumultuous life and strengthened his patience, empathy, generosity, self-knowledge and emotional health. The private reflections recorded in the Meditations were never meant to be published, rather they were a source for Marcus' own guidance and self-improvement, and jotted down by campfires or in military tents on the Roman front. The lessons, insights and perspectives contained within this remarkable work are just as relevant today as they were two millennia ago. This volume:

- Presents the timeless wisdom of Emperor Marcus Aurelius and his Stoic philosophy, with new research on his life and times
- Contains valuable insights on topics such as resilience, moderation and emotional control
- Discusses how to live "in agreement with nature" and abide by strong ethical principles

Part of the bestselling Capstone Classics Series edited by Tom Butler-Bowdon, this attractive, high-quality hardcover volume includes:

- An original Introduction by Marcus Aurelius authority and Stoicism expert Donald Robertson, author of *How To Think Like A Roman Emperor*.
- A modernised, up to date version of the classic George Long translation.

SERIES: CAPSTONE CLASSICS  
DECEMBER 2019 168PP  
**978-0-85708-846-8 CL \$13.00 (Japan)**  
*World Philosophy*

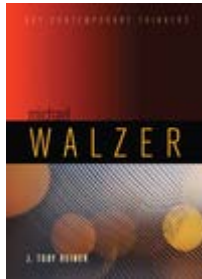


## 政治学

## Michael Walzer

J. TOBY REINER

Michael Walzer is one of the world's most important political thinkers, whose major works, such as *Spheres of Justice* and *Just and Unjust Wars*, have transformed many central debates in contemporary political philosophy.



In this book, Toby J. Reiner provides the most wide-ranging and up-to-date introduction to his work available. Reiner examines his writings on topics ranging from justice in war, humanitarian intervention and migration ethics to distributive justice, multiculturalism, and the political role of religion. Situating Walzer's thought in the intellectual environment of post-war American leftist politics, Reiner demonstrates the importance of his attempt to provide a social-democratic alternative to liberalism, Marxism, and post-modernism. He shows that Walzer has developed a novel approach to political theory based on the thesis that human communities construct the values that give meaning to their lives, giving his work a significance that goes well beyond political theory, into political and social science more broadly.

Reiner not only gives a crystal clear guide to Walzer's ideas for students of political philosophy and general readers, but also develops an original and illuminating new interpretation of his thought that no political theorist can afford to miss.

**READERSHIP:** Students and scholars of political theory and philosophy and the work of Michael Walzer, particularly in the areas of justice and just war theory.

**SERIES:** KEY CONTEMPORARY THINKERS  
DECEMBER 2019 200PP

**978-1-5095-2629-1 CL \$75.00 (Japan)**

*Political Philosophy & Theory*

DECEMBER 2019 200PP

**978-1-5095-2630-7 PB \$22.50 (Japan)**

*Political Philosophy & Theory*

## Gramsci

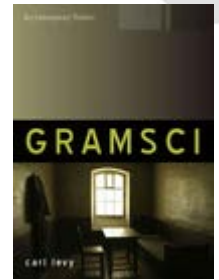
CARL LEVY

**SERIES:** KEY CONTEMPORARY THINKERS

DECEMBER 2019 UnknownPP

**978-0-7456-1486-1 CL \$64.95 (Japan)**

*Modern Political Theory*



DECEMBER 2019 UnknownPP

**978-0-7456-1487-8 PB \$24.95 (Japan)**

*Modern Political Theory*

## 心理学

## The Wiley Blackwell Handbook of the Psychology of Positivity and Strengths-Based Approaches at Work

Editor LINDSAY G. OADES, Editor MICHAEL STEGER, Editor ANTONELLE DELLE FAVE & Editor JONATHAN PASSMORE  
University of Wollongong, Australia; University of East London, UK

This handbook makes a unique contribution to organizational psychology and HRM by providing comprehensive international coverage of the contemporary field of positivity and strengths-based approaches at work. It provides critical reviews of key topics such as resilience, wellbeing, hope, motivation, flow, authenticity, positive leadership and engagement, drawing on the work of leading thinkers including Kim Cameron, Shane Lopez, Peter Clough and Robert Biswas-Diener.



SERIES: WILEY-BLACKWELL HANDBOOKS IN ORGANIZATIONAL PSYCHOLOGY  
DECEMBER 2019 550PP

**978-1-119-12411-5 PB \$45.00 (Japan)**

*Organizational & Industrial Psychology*

## What Works in Violence Risk Management

Theory, Research and Practice

J. STEPHEN WORMITH, LEAM A. CRAIG & TODD HOGUE  
Forensic Psychology Practice Ltd, UK

DECEMBER 2019 320PP

**978-1-119-31571-1 CL \$150.00 (Japan)**

*Forensic Psychology*

DECEMBER 2019 320PP

**978-1-119-31575-9 PB \$50.00 (Japan)**

*Forensic Psychology*

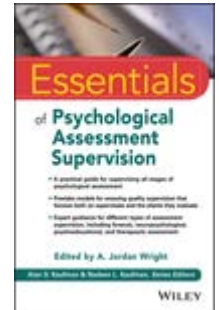
DECEMBER 2019

**978-1-119-31593-3 Wiley Online Library**

## Essentials of Psychological Assessment Supervision

A. JORDAN WRIGHT  
Columbia University, New York, NY

In 2014, the American Psychological Association (APA) adopted a set of guidelines for clinical supervision for health service psychology. While technically covered by these guidelines, supervising clinical psychological assessment includes additional tasks (such as ensuring accurate administration, scoring, and interpretation of tests) and tensions. Supervisors must often instruct supervisees on the data-integration process—which can involve more direct teaching than standard clinical supervision—while encompassing the same interpersonal, therapeutic, and less structured guiding aspects as psychotherapy supervision. It is increasingly common to view clinical supervision in the assessment process and supervision of psychotherapy as two significantly different tasks. Surprisingly, there is very little training and guidance available on appropriate, effective, and beneficial methods of psychological assessment supervision.



Essentials of Psychological Assessment Supervision seeks to remedy the lack of literature in this area, offering guidance on supervising psychological testing and assessment. This much-needed guide provides supervisors with authoritative, up-to-date information on guidelines relevant to assessment supervision. Additionally, detailed coverage of supervision of cognitive, personality/emotional, psychoeducational, neuropsychological, forensic, and therapeutic assessments, among others, provide supervisors with guidance and structure in the supervision process. Focusing on practical application, this book offers guidance on topics such as assessment models appropriate in different areas of assessment; diversity issues; evaluation and feedback of supervisee performance; and ethical, legal, and regulatory considerations relevant in each assessment context. An invaluable resource for practitioners, this book:

- Offers practical advice on supervising a wide range of clinical psychological assessments
- Includes contributions from experts in their respective subfields
- Provides guidance on incorporating new American Psychological Association (APA) and Society for Personality Assessment (SPA) guidelines into the supervision process
- Fills an urgent need for an up-to-date reference on assessment supervision

Essentials of Psychological Assessment Supervision is a must-have reference for both psychology practitioners who supervise the assessment process and instructors of psychological testing and assessment.

SERIES: ESSENTIALS OF PSYCHOLOGICAL ASSESSMENT

DECEMBER 2019 272PP

**978-1-119-43304-0 PB \$50.00 (Japan)**

*Assessment*

## 宗教

## Religious Ethics Meaning and Method

WILLIAM SCHWEIKER &amp; DAVID A. CLAIRMONT

DECEMBER 2019 224PP

**978-1-4051-9857-8 PB \$37.50 (Japan)***Religious Studies*

NOVEMBER 2019

**978-1-119-10448-3** [Wiley Online Library](#)

## Wiley Blackwell Companion to Wisdom Literature

SAMUEL L. ADAMS &amp; MATTHEW GOFF

SERIES: WILEY BLACKWELL COMPANIONS TO  
RELIGION

DECEMBER 2019 576PP

**978-1-119-15823-3 CL \$195.00 (Japan)***Biblical Studies*

NOVEMBER 2019

**978-1-119-15828-8** [Wiley Online Library](#)

## Wiley Blackwell Concise Companion to Christian Martyrdom

PAUL MIDDLETON

Although a well-studied and researched topic in early Christianity, martyrdom had become a relatively neglected subject of scholarship by the latter half of the 20th century. However, in the years following the attack on the Twin Towers on September 11, 2001, the study of martyrdom has experienced a remarkable resurgence. Heightened cultural, religious, and political debates about Islamic martyrdom have, in a large part, prompted increased interest in the role of martyrdom in the Christian tradition. The Wiley Blackwell Companion to Christian Martyrdom is a comprehensive examination of the phenomenon from its beginnings to its role in the present day. This timely volume presents essays written by 30 prominent scholars that explore the fundamental concepts, key questions, and contemporary debates surrounding martyrdom in Christianity. Broad in scope, this volume explores topics ranging from the origins, influences, and theology of martyrdom in the early church, with particular emphasis placed on the Martyr Acts, to contemporary issues of gender, identity construction, and the place of martyrdom in the modern church. Essays address the role of martyrdom after the establishment of Christendom, especially its crucial contribution during and after the Reformation period in the development of Christian and European national-building, as well as its role in forming Christian identities in Asia, Africa, and the Americas. This important contribution to Christian scholarship:

- Offers the first comprehensive reference work to examine the topic of martyrdom throughout Christian history
- Includes an exploration of martyrdom and its links to traditions in Judaism and Islam
- Covers extensive geographical zones, time periods, and perspectives
- Provides topical commentary on Islamic martyrdom and its parallels to the Christian church
- Discusses hotly debated topics such as the extent of the Roman persecution of early Christians

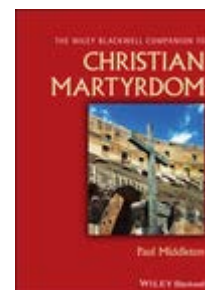
The Wiley Blackwell Companion to Christian Martyrdom is an invaluable resource for scholars and students of religious studies, theology, and Christian history, as well as readers with interest in the topic of Christian martyrdom.

SERIES: WILEY BLACKWELL COMPANIONS TO  
RELIGION

DECEMBER 2019 500PP

**978-1-119-09982-6 CL \$215.00 (Japan)***Christianity*

NOVEMBER 2019

**978-1-119-10007-2** [Wiley Online Library](#)



## セルフヘルプ

**The Self-Care Handbook****Connect with yourself and boost your wellbeing**

GILL HASSON

Are you looking after yourself? For so many of us, with so much to do and think about, self care - taking care of our mental, emotional and physical health and wellbeing - often falls by the wayside. The Self-Care Handbook equips you to make positive, helpful choices for incorporating self-care into your life. It explains how to take responsibility for your own wellbeing and provides ideas and practical advice on how you can better look after yourself.



Bestselling author Gill Hasson shows you how to develop the mindset, routines and habits that can protect, maintain and improve your health and wellbeing. The Handbook presents straightforward approaches that can help you feel good about yourself, manage stress and anxiety, achieve a work-life balance, increase your physical health and much more. This book will help you:

- Encourage a positive, healthy relationship with yourself and strengthen your wellbeing
- Understand and implement the factors that can protect, maintain and improve your mental and physical health and wellbeing
- Manage overwhelm and simplify a busy life
- Know how best to relax, switch off and enjoy yourself
- Look after yourself when you're going through difficulties, setbacks or a crisis

The Self-Care Handbook is an important resource for anyone wishing to integrate healthy behaviours and activities and look after their physical and mental wellbeing.

DECEMBER 2019 240PP

**978-0-85708-812-3 CL \$22.00 (Japan)***General Self-Help***Self-Confidence****The remarkable truth of how a small change can boost your resilience and increase your success  
10th Anniversary Edition**PAUL MCGEE, *United Kingdom**Paul McGee Associates, UK*

Confidence is profoundly important to virtually every aspect of our lives -- it's the main ingredient for handling anything thrown at us. Whether in our school or business careers, personal relationships or the way in which we present ourselves to the world, confidence is often the deciding factor between success or failure. But how does one increase self-confidence? Sunday Times best selling Author Paul McGee has helped thousands of people answer this very question with his bestselling book *Self-Confidence*. Blending Paul's humour and wit with expert insights and practical advice, this beloved resource remains the essential guide to increasing self-confidence and boosting success. Paul shows you how increasing your confidence by even a small amount can lead to dramatic positive changes in your life.

Celebrating its tenth year in publication, this new Anniversary Edition has been extensively updated to addresses current "hot topics" and trends for improving confidence and driving personal and professional success. Paul offers new guidance on strengthening resilience, promoting well-being, enhancing mental health and much more. Along the way, Paul shares honest and very personal stories from his own life to highlight important lessons and reinforce your confidence-building process. This must-have guide will help you:

- Understand how making small changes will yield enormous results
- Manage self-doubt and overcome anxiety
- Discover who or what crushed your confidence and meet them head-on
- Refuse to let setbacks sap your confidence by turning them into motivation to forge ahead
- Step away from your comfort zone and achieve what you always wanted, but lacked the confidence to pursue

The special edition of *Self-Confidence* provides everything you need to start on the path to increased confidence, resilience and success. You will be astonished by what you can accomplish when you have the confidence to try.

DECEMBER 2019 320PP

**978-0-85708-835-2 PB \$22.00 (Japan)***General Self-Help*



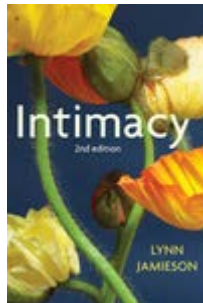
## 社会学

## Intimacy

## Personal Relationships in Modern Societies

LYNN JAMIESON  
University of Edinburgh

Where do we find intimacy today? Are our interactions with acquaintances and strangers, particularly online, a sign of deepening, widespread intimacy? Or are our personal relationships becoming increasingly empty, structured by selfish individualism?



In this second edition of her landmark book, Lynn Jamieson provides an updated exploration of the many types of intimate relationships that are formed in modern societies: families, kinship, friendships, parent–child relationships, sexual relationships and couple relationships. Examining new evidence, the book investigates the nature of such relationships across societies and explicitly questions whether the association of intimacy with face-to-face relationships has passed in an era in which people use digital technologies to stay connected at a physical distance. Jamieson pays particular attention to the issue of ethnocentrism and the global applicability of the concept of intimacy, and finds that, while recent literature suggests disclosing intimacy is increasing on a global scale, this is more present in popular rhetoric than in practice.

Ultimately arguing for a more grounded, gendered and complex picture of this phenomenon, *Intimacy* will remain a key reading for scholars and students of sociology, women's studies and gender studies.

**READERSHIP:** Advanced students and scholars of the sociology of the family, sociology of emotions, and gender studies.

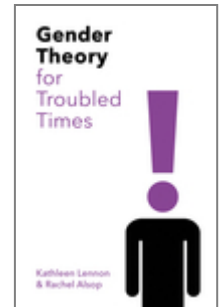
DECEMBER 2019 240PP  
**978-0-7456-5112-5 CL \$69.95 (Japan)**  
*Sociology of the Family*

DECEMBER 2019 240PP  
**978-0-7456-5113-2 PB \$26.95 (Japan)**  
*Sociology of the Family*

## Gender Theory in Troubled Times

KATHLEEN LENNON & RACHEL ALSOP  
University of Hull; University of Hull

Theorizing gender is more urgent and highly political than ever before. These are times, in many countries, of increased visibility of women in public life and high-profile campaigns against sexual violence and harassment. Challenges to fixed, traditional gender norms have paved the way for the recognition of gay marriage and gender recognition acts allowing people to change the gender assigned to them at birth. Yet these are also times of religious and political backlash by the alt right, the demonization of the very term 'gender' and a renewed embrace of the 'naturalness' of gendered difference as ordained by God or Science.



A follow-up to the authors' 2002 text, *Theorizing Gender*, this timely and necessary intervention revisits gender theory for contemporary times. Refusing a singular 'truth about gender', the authors explore the multiple strands which go into making our gendered identities, in the context of materialist and intersectional perspectives interwoven with phenomenological and performative ones. The resulting critical overview will be a welcome and invaluable guide for students and scholars of gender across the social sciences and humanities.

**READERSHIP:** second-year students and above of gender studies, philosophy, sociology and politics.

DECEMBER 2019 304PP  
**978-0-7456-8301-0 CL \$75.00 (Japan)**  
*Gender & Sexuality*

DECEMBER 2019 304PP  
**978-0-7456-8302-7 PB \$22.50 (Japan)**  
*Gender & Sexuality*

## What is Cultural Sociology?

LYN SPILLMAN

University of Notre Dame

Culture, cultural difference, and cultural conflict always surround us. It is the aim of cultural sociologists to understand their role across all aspects of social life by examining processes of meaning-making.

In this crisp and accessible book, Lyn Spillman demonstrates many of the conceptual tools cultural sociologists use to explore how people make meaning. Drawing on vivid examples from this rich and ubiquitous feature of our lives, she offers a compelling analytical framework within which to view the entire cultural sociological field. In each chapter, she introduces a different angle of vision, with distinct but compatible approaches for explaining culture and its role in social life: analyzing symbolic forms, analyzing meaning-making in interaction, and analyzing organized production.

Offering a concise answer to the question “What is Cultural Sociology?,” this book provides an overview of the fundamental approaches you need to know to do cultural sociology.

**READERSHIP:** undergraduate- and graduate-level courses in the sociology of culture/cultural sociology.

**SERIES:** WHAT IS SOCIOLOGY?

DECEMBER 2019 160PP

**978-1-5095-2280-4 CL \$59.95 (Japan)**

*Sociology of Culture*

DECEMBER 2019 160PP

**978-1-5095-2281-1 PB \$19.95 (Japan)**

*Sociology of Culture*



## Migration and Inequality

MIRNA SAFI

In a world of increasingly heated political debates on migration, relentlessly caught up in questions of security, humanitarian crisis, and cultural “problems,” this book radically shifts the focus to address migration through the lens of inequality.

Taking an innovative approach, Mirna Safi offers a fresh perspective on how migration is embedded in the elementary mechanisms that shape the landscape of inequality. She sketches out three distinct channels which lead to unequal outcomes for different migrating and non-migrating groups: the global division of labor; the production of legal and administrative categories; and the reconfiguration of symbolic ethnoracial groups. Respectively, these channels categorize migrants as “type of workers,” “type of citizens,” and “type of humans.” Examining this intersection across the U.S. and Europe, she shows how studying international migration together with inequality can challenge nationally established paradigms of social justice.

This timely book will be essential reading for all students and researchers interested in the sociology and politics of migration, ethnic and racial studies, and social inequality and stratification.

**READERSHIP:** graduate students and scholars of (im)migration, social stratification, and development studies

DECEMBER 2019 216PP

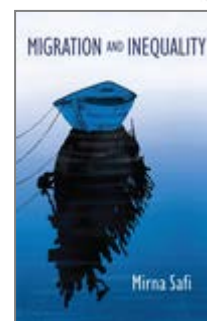
**978-1-5095-2210-1 CL \$64.95 (Japan)**

*Population & Demography*

DECEMBER 2019 216PP

**978-1-5095-2211-8 PB \$22.95 (Japan)**

*Population & Demography*



ソーシャルサイエンス

## **From Deep Sea to Laboratory 3**

**From Tait's Work on the Compressibility of Water  
to Equations-of-State for Liquids**

*FREDERIC AITKEN & JEAN-NUMA FOULC*

DECEMBER 2019 370PP

**978-1-78630-376-9 CL \$165.00 (Japan)**

*General Science*

## Estimates of Stochastic Processes with Stationary Increments and Cointegrated Sequences

MAKSYM LUZ & MIKHAIL MOKLYACHUK

DECEMBER 2019 308PP

**978-1-78630-503-9 CL \$165.00 (Japan)**

*Probability & Mathematical Statistics*

## Probably Not Future Prediction Using Probability and Statistical Inference 2nd Edition

LAWRENCE N. DWORSKY, *Phoenix  
Motorola, Inc.*

Written in an engaging and entertaining manner, the revised and updated second edition of *Probably Not* continues to offer an informative guide to probability and prediction. The expanded second edition contains problem and solution sets. In addition, the book's illustrative examples reveal how we are living in a statistical world, what we can expect, what we really know based upon the information at hand and explains when we only think we know something.

The author introduces the principles of probability and explains probability distribution functions. The book covers combined and conditional probabilities and contains a new section on Bayes Theorem and Bayesian Statistics, which features some simple examples including the Prosecutor's Paradox, and Bayesian vs. Frequentist thinking about statistics. New to this edition is a chapter on Benford's Law that explores measuring the compliance and financial fraud detection using Benford's Law. This book:

- Contains relevant mathematics and examples that demonstrate how to use the concepts presented
- Features a new chapter on Benford's Law that explains why we find Benford's law upheld in so many, but not all, natural situations
- Presents updated Life insurance tables
- Contains updates on the Gantt Chart example that further develops the discussion of random events
- Offers a companion site featuring solutions to the problem sets within the book

Written for mathematics and statistics students and professionals, the updated edition of *Probably Not: Future Prediction Using Probability and Statistical Inference, Second Edition* combines the mathematics of probability with real-world examples.

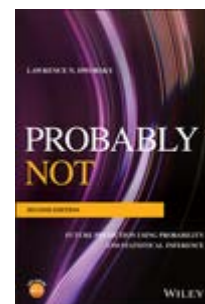
OCTOBER 2019 352PP

**978-1-119-51810-5 PB \$99.00 (Japan)**

*Probability & Mathematical Statistics*

SEPTEMBER 2019

**978-1-119-51814-3** **Wiley Online Library**



## Experimental Methods in Survey Research

### Techniques that Combine Random Sampling with Random Assignment

PAUL J. LAVRAKAS, MICHAEL W. TRAUGOTT, COURTNEY KENNEDY, ALLYSON L. HOLBROOK & EDITH DE LEEUW  
Nilsen Media Research; Utrecht University, The Netherlands

This book explores and explains the broad range of experimental designs embedded in surveys that use both probability and non-probability samples. It approaches the usage of survey-based experiments with a Total Survey Error (TSE) perspective, which provides insight on the strengths and weaknesses of the techniques used.

*Experimental Methods in Survey Research: Techniques that Combine Random Sampling with Random Assignment* addresses experiments on

within-unit coverage, reducing nonresponse, question and questionnaire design, minimizing interview measurement bias, using adaptive design, trend data, vignettes, the analysis of data from survey experiments, and other topics, across social, behavioral, and marketing science domains.

Each chapter begins with a description of the experimental method or application and its importance, followed by reference to relevant literature. At least one detailed original experimental case study then follows to illustrate the experimental method's deployment, implementation, and analysis from a TSE perspective. The chapters conclude with theoretical and practical implications on the usage of the experimental method addressed. In summary, this book:

- Fills a gap in the current literature by successfully combining the subjects of survey methodology and experimental methodology in an effort to maximize both internal validity and external validity
- Offers a wide range of types of experimentation in survey research with in-depth attention to their various methodologies and applications
- Is edited by internationally recognized experts in the field of survey research/methodology and in the usage of survey-based experimentation --featuring contributions from across a variety of disciplines in the social and behavioral sciences
- Presents advances in the field of survey experiments, as well as relevant references in each chapter for further study
- Includes more than 20 types of original experiments carried out within probability sample surveys
- Addresses myriad practical and operational aspects for designing, implementing, and analyzing survey-based experiments by using a Total Survey Error perspective to address the strengths and weaknesses of each experimental technique and method



SERIES: WILEY SERIES IN SURVEY METHODOLOGY  
DECEMBER 2019 544PP

**978-1-119-08374-0 CL \$120.00 (Japan)**

*Survey Research Methods & Sampling*

SEPTEMBER 2019 544PP

**978-1-119-08377-1** [Wiley Online Library](#)

## テストプレップ

## CompTIA Project+ Certification Kit Exam PK0-004

KIM HELDMAN & BRETT FEDDERSEN

Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW CompTIA Project+ Exam PK0-004 objectives. The book contains clear and concise information on project management topics, and includes practical examples and insights drawn from real-world experience.



- Project Basics
- Project Constraints
- Communication and Change Management
- Project Tools and Documentation

Readers also get access to the Sybex interactive online learning environment with 2 practice exams, 100 flashcards, and a searchable glossary of key terms.

### About the CompTIA Project+ Practice Tests

If you're preparing for this all-important exam, turn to CompTIA Project+ Practice Tests. 1,000 unique questions are organized into 4 chapter tests that cover 100% of all exam objective domains. Chapter tests not only provide the answers, but also give you detailed explanations so this is an excellent resource for last minute review to identify areas where more attention is needed. Two additional 90-question practice exams prepare you for exam day. Benefits include:

- Access to all practice questions online with the Sybex interactive learning environment
- 4 unique chapter tests include expert explanations PLUS 2 practice exams
- Covers 100% of all CompTIA Project+ exam PK0-004 objective domains

Whether you have studied with the Sybex study guide for the Project+ exam or have used another brand, this is your chance to test your skills. Studying the exam objectives is important, but testing the reach of your knowledge and identifying areas where further review may be needed could be the difference on exam day.

DECEMBER 2019 UnknownPP

**978-1-119-66414-7 PB \$72.00 (Japan)**

*Certification (MSCE, Novell, etc.)*

## AWS Certified SysOps Administrator Certification Kit Associate SOA-C01 Exam

BRETT MCLAUGHLIN & SARA PERROTT

This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator--Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator--Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include:

- Monitoring and Reporting
- High Availability
- Deployment and Provisioning
- Storage and Data Management
- Security and Compliance
- Networking
- Automation and Optimization
- And More

Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms.

### About the AWS Certified SysOps Administrator Practice Tests: Associate (SOA-C01) Exam

This book provides seven unique practice tests, covering the seven AWS Certified SysOps Administrator Associate (SOA-C01) Exam objective domains, PLUS one additional practice exam, for a total of 1000 practice test questions. Coverage of all exam objective domains includes:

- Deploying, managing, and operating scalable, highly available, and fault tolerant systems on AWS
- Implementing and controlling the flow of data to and from AWS
- Selecting the appropriate AWS service based on compute, data, or security requirements
- Identifying appropriate use of AWS operational best practices
- Estimating AWS usage costs and identify operational cost control mechanisms
- Migrating on-premises workloads to AWS

The practice test questions prepare you for test success. Readers will also have access to the online test bank, including all the practice test questions. Prepare smarter with Sybex's superior interactive online learning environment and test bank.

DECEMBER 2019 UnknownPP

**978-1-119-66410-9 PB \$80.00 (Japan)**

*Certification (MSCE, Novell, etc.)*



## LPIC-1 Certification Kit

### Exam 101-500 and Exam 102-500

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

Building on the popular Sybex Study Guide approach, this book will provide 100% coverage of the NEW LPIC-1 Exam 101-500 and Exam 102-500 objectives. The book contains clear and concise information on all Linux administration topic, and includes practical examples and insights drawn from real-world experience.

- System Architecture
- Linux Installation and Package Management
- GNU and Unix Commands
- Devices, Linux Filesystems, Filesystem Hierarchy Standard
- Shells and Shell Scripting
- User Interfaces and Desktops
- Administrative Tasks
- Essential System Services
- Networking Fundamentals
- Security

Readers will also have access to the online interactive test bank and learning environment, including hundreds of practice questions, electronic flashcards, and a searchable Glossary of important terms. Prepare smarter with Sybex's superior online study tools!

About the LPIC-1 Linux Professional Institute Certification Practice Tests, Second Edition

If you're preparing for this all-important exam, turn to LPIC-1 Practice Tests. This book includes 10 chapter tests that align with the 10 objective domains, PLUS one additional 90-question practice exam, for a total of 1,000 practice test questions. This book helps you gain the confidence you need for taking LPIC-1 Exam 101-500 and Exam 102-500. The practice test questions prepare you for test success. Study for the LPIC-1 certification with Sybex and get the advantage of exam day confidence.

Readers will also have access to all the practice test questions using our online test bank. Prepare smarter with Sybex's superior interactive online learning environment and study tools!

DECEMBER 2019 UnknownPP

**978-1-119-66411-6 PB \$80.00 (Japan)**

*Operating Systems / Linux & UNIX*

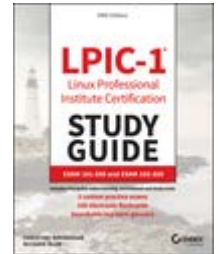
## LPIC-1 Linux Professional Institute Certification Study Guide

### Exam 101-500 and Exam 102-500

#### 5th Edition

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

The updated fifth edition of LPIC-1: Linux Professional Institute Certification Study Guide is a comprehensive, one-volume resource that covers 100% of all exam objectives. Building on the proven Sybex Study Guide approach, this essential resource offers a comprehensive suite of study and learning tools such as assessment tests, hands-on exercises, chapter review questions, and practical, real-world examples. This book, completely updated to reflect the latest 101-500 and 102-500 exams, contains clear, concise, and user-friendly information on all of the Linux administration topics you will encounter on test day. Key exam topics include system architecture, Linux installation and package management, GNU and UNIX commands, user interfaces and desktops, essential system services, network and server security, and many more.



Linux Servers currently have a 20% market share which continues to grow. The Linux OS market saw a 75% increase from last year and is the third leading OS, behind Windows and MacOS. There has never been a better time to expand your skills, broaden your knowledge, and earn certification from the Linux Professional Institute. A must-have guide for anyone preparing for the 101-500 and 102-500 exams, this study guide enables you to:

- Assess your performance on practice exams to determine what areas need extra study
- Understand and retain vital exam topics such as administrative tasks, network configuration, booting Linux, working with filesystems, writing scripts, and using databases
- Gain insights and tips from two of the industry's most highly respected instructors, consultants, and authors
- Access Sybex interactive tools that include electronic flashcards, an online test bank, customizable practice exams, bonus chapter review questions, and a searchable PDF glossary of key terms

LPIC-1: Linux Professional Institute Certification Study Guide is ideal for network and system administrators studying for the LPIC-1 exams, either for the first time or for the purpose of renewing their certifications.

DECEMBER 2019 648PP

**978-1-119-58212-0 PB \$60.00 (Japan)**

*Networking / LINUX*

OCTOBER 2019

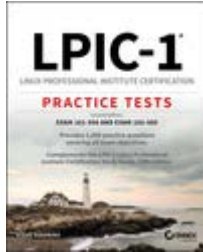
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## LPIC-1 Linux Professional Institute Certification Practice Tests

Exam 101-500 and Exam 102-500  
2nd Edition

STEVE SUEHRING

Linux Servers currently have a 20% market share which continues to grow. The Linux OS market saw a 75% increase from last year and is the third leading OS, behind Windows and MacOS. There has never been a better time to expand your skills, broaden your knowledge, and earn certification from the Linux Professional Institute.



LPIC-1: Linux Professional Institute Certification Practice Tests is the must-have complement to the bestselling LPIC-1 Study Guide. Practice tests help you gain confidence and identify the areas in need of more attention. Ten full-length tests, covering the ten objective domains, and two additional 60-question practice exams contain 1000 practice questions, complete with answers and full explanations!

Divided into two parts, this volume of practice tests covers Exams 101-500 and 102-500. Part I covers system architecture, Linux installation and Package management, GNU and Unix Commands, and devices, and Linux filesystems and filesystem hierarchy. Part II focuses on shells and shell scripting, user interfaces and desktops, administrative tasks, essential system services, networking, and security. This book:

- Covers all objective domains of the LPIC-1 exam
- Provides additional practice questions to supplement the LPIC-1 Study Guide
- Helps reinforce vital skills and knowledge
- Includes one year of FREE access to the online test bank

LPIC-1: Linux Professional Institute Certification Practice Tests is a must-have resource for network and system administrators studying for the LPIC-1 exams and Linux administrators or IT professionals looking to update their skillset.

DECEMBER 2019 320PP

**978-1-119-61109-7 PB \$40.00 (Japan)**

*Certification (MSCE, Novell, etc.)*

OCTOBER 2019

**978-1-119-61138-7 Wiley Online Library**

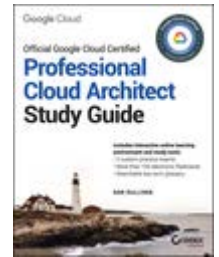
## Google Professional Cloud Architect Study Guide

DAN SULLIVAN

Sybex Study Guides teach IT professionals the skills needed to perform a job well. With those skills plus insight on how a certification exam tests for those skills, an IT professional can be confident for the exam.

In Google Cloud Certified Associate Cloud Engineer Study Guide, readers get ready for this important exam from Google and master the skills they need to be prepared to tackle Google Cloud Architecture jobs. With 100% coverage of all exam objectives readers will learn:

- Designing for Business and Technical Requirements
- Designing Compute Resources
- Designing Storage Systems
- Designing Networks
- Designing Security and Legal Compliance
- Designing for Reliability
- Analyzing and Defining Technical Processes
- Analyzing and Defining Business Processes
- Development and Operations
- Migration Planning



DECEMBER 2019 600PP

**978-1-119-60244-6 PB \$60.00 (Japan)**

*Misc (other) certifications*

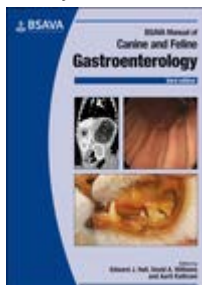
OCTOBER 2019

**978-1-119-60247-7 Wiley Online Library**

## BSAVA Manual of Canine and Feline Gastroenterology

EDWARD HALL & DAVID L. WILLIAMS  
University of Bristol; Associate Lecturer in Veterinary  
Ophthalmology in the Department of  
Clinical Veterinary Medicine at the  
University of Cambridge, UK

SERIES: BSAVA BRITISH SMALL  
ANIMAL VETERINARY  
ASSOCIATION  
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## Clinical Laboratory Animal Medicine

An Introduction  
5th Edition

LESLEY A. COLBY, MEGAN H. NOWLAND & LUCY H. KENNEDY  
University of Washington, Seattle, Washington, USA; University of  
Michigan, East Lansing, Michigan; University of Michigan, East  
Lansing, Michigan

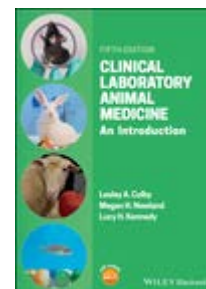
The revised fifth edition of Clinical Laboratory Animal Medicine: An Introduction is an accessible guide to basic information for conducting animal research safely and responsibly. It includes a review of the unique anatomic and physiologic characteristics of laboratory animals, husbandry practices, and veterinary care of many animals frequently used in research, including rodents, rabbits, ferrets, zebrafish, nonhuman primates, and agricultural animals.

The updated fifth edition adds two new chapters on zebrafish and large animals, new information on transgenic models and genetic editing, and expanded coverage of environmental enrichment and pain management. The book presents helpful tip boxes, images, and review questions to aid in comprehension and learning, and a companion website provides editable review questions and answers, instructional PowerPoints, additional images not found in the book, and video clips. This important text:

- Provides a complete introduction to laboratory animal husbandry, diseases, and treatments
- Offers a user-friendly format with helpful content that highlights important concepts
- Contains new knowledge relating to technical methodologies, diseases, drug dosages, laws and regulations, and organizations
- Covers information on regulations, facilities, equipment, housing, and research variables as well as veterinary care
- Includes new chapters on zebrafish and cattle, sheep, goats, and pigs

Written for veterinary technicians, veterinary students, practicing veterinarians, and research scientists, the fifth edition of Clinical Laboratory Animal Medicine continues to offer an essential guide to the ethical treatment and anatomic and physiological characteristics of research animals.

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## Small Animal Dermatology for Technicians and Nurses

Editor KIM HORNE, Editor MARCIA SCHWASSMANN & Editor DAWN LOGAS  
University of Minnesota; private practice, Maitland, Florida, USA;  
private practice, Maitland, Florida, USA

Small Animal Dermatology for Technicians and Nurses is a practical manual specifically designed for veterinary technicians, nurses, and other staff members. This easy-to-read book covers common dermatologic diseases frequently seen in private practice, with information on history taking, sample collection, diagnostic testing, therapeutic options and patient follow up. Each disease described includes important background information to help technicians explain treatment plans and improve client compliance.

The book presents step-by-step instructions with illustrative, full-color photographs to aid in accurately collecting samples and performing in-house diagnostics. The authors have drawn on their real-world experience as practicing dermatologists and dermatology technicians to create a must-have guide for those working in the small animal veterinary field. This important resource:

- Provides practical information on veterinary dermatology tailored to veterinary technicians and nurses
- Offers details and tips on history taking, sample collection, diagnostic testing, and patient follow up
- Takes a practical, easy-to-follow approach with illustrative, full-color photographs that demonstrate techniques
- Supports veterinary staff by providing a solid foundation in dermatology that can improve communication with clients
- Includes all the information technicians need to support their veterinarians in managing dermatology cases with confidence

Written for veterinary technicians, nurses, and veterinary technology and nursing students, *Small Animal Dermatology for Technicians and Nurses* offers an indispensable reference for any veterinary team member assisting with common small animal dermatology cases.

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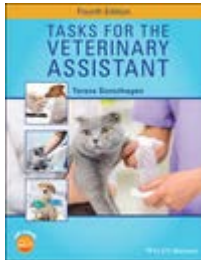


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