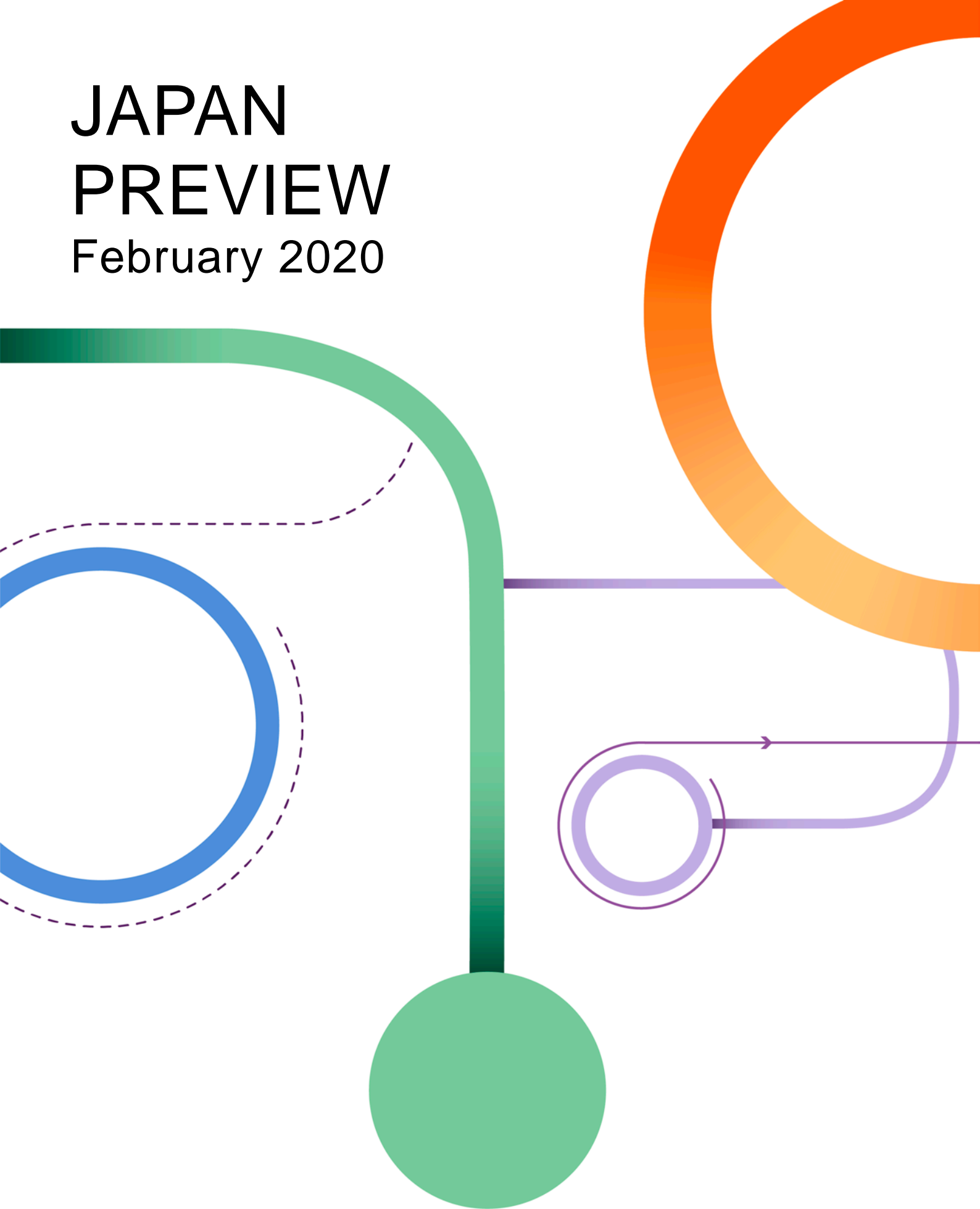


JAPAN PREVIEW

February 2020



WILEY

March's Advanced Organic Chemistry

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8th Edition

March 有機化学 — 反応, メカニズム, 構造 第8版

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P20

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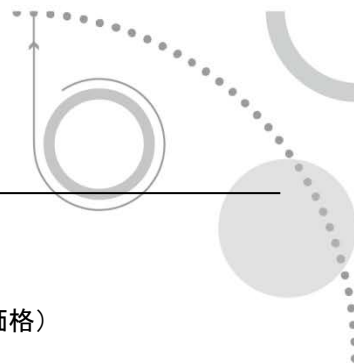
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STEPHEN HUPP & JEREMY D. JEWELL

P57

JAPAN PREVIEW



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芸術

Faceworld

MARION ZILIO & Translator ROBIN MACKAY

We have long accepted the face as the most natural and self-evident thing, believing that in it we could read, as if on a screen, our emotions and our doubts, our anger and joy. We have decorated them, made them up, designed them, as if the face were the true calling card of our personality, the public manifestation of our inner being.



Nothing could be further from the truth. Rather than a window opening onto our inner nature, the face has always been a technical artefact—a construction that owes as much to artificiality as to our genetic inheritance. From the origins of humanity to the triumph of the selfie, Marion Zilio charts the history of the technical, economic, political, legal, and artistic fabrication of the face. Her account of this history culminates in a radical new interrogation of what is too often denounced as our contemporary narcissism. In fact, argues Zilio, the “narcissism” of the selfie may well reconnect us to the deepest sources of the human manufacture of faces—a reconnection that would also be a chance for us to come to terms with the non-human part of ourselves.

This highly original reflection on the fabrication of the face will be of great value to students and scholars of media and culture and to anyone interested in the pervasiveness of the face in our contemporary age of the selfie.

READERSHIP: This book will be of interest to students and scholars of critical theory, cultural theory, art history, photography and museum studies, as well as general readers interested in art and photography.

FEBRUARY 2020 160PP

978-1-5095-3725-9 CL \$64.95 (Japan)*Art History & Theory*

FEBRUARY 2020 160PP

978-1-5095-3726-6 PB \$19.95 (Japan)*Art History & Theory*

The Fast Close Toolkit

CHRISTINE H. DOXEY

The Record to Report (R2R) or Fiscal Closing Process is at the core of the controllership function. The process includes transaction processing, internal and external reporting, and the internal controls--the people, processes, and technology--that constitute the corporate organizational hierarchy. CFOs, controllers, and corporate finance departments require timely, accurate, and consistent data to make appropriate operational and strategic decisions and fulfill statutory, regulatory, and compliance requirements with accurate and timely data. The Fast Close Toolkit offers both strategic and tactical suggestions that can significantly improve the fiscal closing process and provides guidance on new legislation requirements, systems and best practice processes. Checklists, templates, process narratives, and sample policies are provided for every component of the fiscal close.



Investors and shareholders expect fast and easy access to the data created by current business activities in the information-driven digital age. The Fast Close Toolkit provides the necessary tools and expert advice to improve the fiscal closing process. Authoritative and up to date, this book:

- Identifies the bottlenecks that can impact the and improve the fiscal close process and provides best practices to help alleviate these challenges
- Defines the Record to Report (R2R) and recommends the roles and responsibilities for fiscal close processes flow
- Offers the internal controls to use for the end-to-end fiscal close process
- Describes approaches for risk management, R2R, and fiscal close benchmarking
- Identifies KPIs for all aspects of the R2R process
- Provides the mechanism for developing a financial close scorecard
- Recommends leading practices for both external and internal reporting
- Provides guidance on how strategic planning, the budget and forecast processes can be streamlined to enhance the fiscal close and internal reporting results

SERIES: WILEY CORPORATE F&A

FEBRUARY 2020 432PP

978-1-119-55449-3 CL \$65.00 (Japan)

Corporate / Managerial Accounting

DECEMBER 2019

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WILEY

John Wiley & Sons, Inc.

FEBRUARY 2020 UnknownPP

978-1-119-67866-3 PB \$225.00 (Japan)

Auditing / Internal

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John Wiley & Sons, Inc.

FEBRUARY 2020 UnknownPP

978-1-119-67867-0 PB \$120.00 (Japan)

Auditing / Internal

Fair Value Measurement

Practical Guidance and Implementation

3rd Edition

MARK L. ZYLA

Fair Value Measurement provides hands-on guidance and the latest best practices for measuring fair value in financial reporting. The Financial Accounting Standards Board (FASB), the U.S. Securities and Exchange Commission (SEC), and the American Institute of CPAs (AICPA) have all updated their guidelines for practitioners, and this book details the changes from a practical perspective. This new third edition includes a discussion on Private Company Council accounting alternatives for business combinations and impairment testing, with a detailed example of the Market Participant Acquisition Premium (MPAP), including European and Asian examples and expanded discussion of IFRS. Ancillary materials including end-of-chapter questions and answers, PowerPoint slides, and a test bank help you quickly grasp the concepts presented, making this book ideal for both classroom and practitioner use.

Fair value measurement guidelines continue to evolve, and this comprehensive reference provides a valuable, up-to-date resource for preparers, auditors, and valuation specialists.

- Adopt the best practices for implementing the FASB's Topic 820
- Learn the latest reporting requirements for fair value measurements
- Understand accounting alternatives for business combinations
- Examine the details of MPAP in Europe and Asia

Applying fair value measurements to financial statements requires a move away from rules-based standards and toward application of professional judgment. This controversial shift has led to a reliance on valuation specialists, who face their own challenges in applying Topic 820 amidst an economic downturn and recovery, leading to an ever evolving set of best practices. Practitioners must stay up to date, and be aware of the changes as they occur. Fair Value Measurement provides the most recent information and a practical approach to this area of financial reporting.

SERIES: WILEY CORPORATE F&A

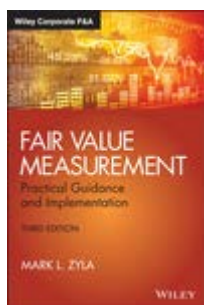
FEBRUARY 2020 544PP

978-1-119-19123-0 CL \$95.00 (Japan)

Valuation

DECEMBER 2019

978-1-119-44872-3 [Wiley Online Library](#)



Sustainable Design Basics

SHARON B. JAFFE, ROB FLEMING, MARK KARLEN,
Philadelphia, PA & SAGLINDA H. ROBERTS
Philadelphia University

Sustainable Design Basics is a student-friendly introduction to a holistic and integral view of sustainable design. Comprehensive in scope, this textbook presents basic technical information, sustainability strategies, and a practical, step-by-step approach for sustainable building projects. Clear and relatable chapters illustrate how to identify the factors that reduce energy use, solve specific sustainable design problems, develop holistic design solutions, and address the social and cultural aspects of sustainable design. Requiring no prior knowledge of the subject, the text's easy-to-follow methodology leads readers through the fundamental sustainable design principles for the built environment.



Sustainably-constructed and maintained buildings protect the health and improve the productivity of their occupants, as well as help to restore the global ecosystem. The authors, leading practitioners and educators in sustainable design, have created a resource that provides a solid introduction to broad level sustainability thinking that students can take forward into their professional practice. Topics include space planning for sustainable design, integrative and collaborative design, standards and rating systems, real-world strategies to conserve energy and resources through leveraging renewable natural resources and innovative construction techniques and their impact on our environment.

Usable and useful both in and beyond the classroom, this book:

- Covers building location strategies, building envelopes and structures, integration of passive and active systems, green materials, and project presentation
- Examines cultural factors, social equity, ecological systems, and aesthetics
- Provides diverse student exercises that vary by climate, geography, setting, perspective, and typology
- Features a companion website containing videos for each sustainable strategy, matrices, templates, Sketch-Up and AutoCAD files, PowerPoint slides, and extensive instructor resources

FEBRUARY 2020 448PP

978-1-119-44373-5 PB \$70.00 (Japan)

Interior Design

BIM for Design Coordination A Virtual Design and Construction Guide for Designers, General Contractors, and Subcontractors

FERNANDA L. LEITE

Virtual Design Coordination (VDC) employs information-rich Building Information Modeling (BIM) to enable specialty designers and contractors to create a single, coordinated set of designs that can prevent cost overruns, avoid schedule delays, and identify issues in the field. Although BIM-based design coordination is widely used in the commercial construction industry, there remains a need for a standardized practice. BIM for Design Coordination formalizes industry best practices and provides structured guidelines to the process.



Helping readers gain the benefits of BIM-based design coordination, this practical guide covers areas such as setting up a project for success, model quality impacts on design coordination, carrying out a successful VDC session, and more. Specific guidelines for various project stakeholders are laid out in detail, while real-world examples of project design coordination workflows and templates for BIM Project Execution Plans (PxPs) are provided throughout the text. Written by a leading expert and educator in the field, this book:

- Provides a formal set of BIM-based design coordination guidelines that emphasize construction-stage coordination
- Features real-life case studies that illustrate how leading firms approach design coordination
- Covers BIM-based design coordination in other industries, such as infrastructure and industrial sectors
- Presents guidelines for all project stakeholders, including subcontractors, architects, engineers, fabricators, and owners
- Includes chapters on teaching BIM-based design coordination and the future of the field

BIM for Design Coordination: A Virtual Design and Construction Guide for Designers, General Contractors, and MEP Subcontractors is a much-needed resource for general contractors and members of VDC teams, as well as academics, students, and professionals new to BIM-based design coordination.

FEBRUARY 2020 192PP

978-1-119-51601-9 PB \$75.00 (Japan)

Architecture Special Topics

DECEMBER 2019

978-1-119-51579-1 **Wiley Online Library**

ビジネス

The Energy Equation

Unlocking the Hidden Power of Energy in Business

GREG BAKER

The Energy Equation provides a new approach to achieving marketplace success by leveraging the internal workings of your business. The energy of your business is part of a physical system. Just like any other form of energy, it can be drained and wasted or be harnessed and optimized. This book offers a revolutionary contribution to management science that can be used to drive change, improve collaboration, enhance performance, strengthen organizational health and agility, and much more.

Author Greg Baker, CEO of Advance Consulting--a leading management consulting and professional development firm specializing in the transformation of people, teams, and organizations--shows you how to use "enterprise" energy to dramatically increase professional productivity and enhance business performance. The Energy Equation teaches you how to "see" the energy of your company, enabling you to understand why some things work and others don't. The traditional "surface-level management" model no longer works in the 21st century; a much deeper view is needed. The Energy Equation will help you unlock the hidden power of energy in your business:

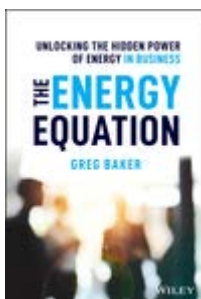
- Eliminate unnecessary conflict that saps the energy of your business
- Build business agility, boost employee engagement, and establish a positive culture throughout your organization
- Optimize your daily business, manage change, and prepare for the future of work
- View your business through the lens of energy to see what is really happening beneath the surface

The Energy Equation is a powerful resource for any person or business seeking to adapt and thrive in the challenging global business environment.

FEBRUARY 2020 272PP

978-1-119-63868-1 CL \$25.00 (Japan)

Business Self-Help



Stop Listening to Your Customer

ADAM FERRIER

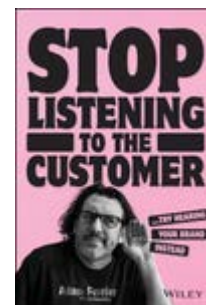
Businesses and brands are getting it wrong by pivoting everything to what they think their customer wants as it eliminates value, the data is inaccurate, and creates homogeneity. If you really asked the customer what they wanted, they'd be saying to be left alone! Certainly they don't really care about brands, they care about the category of product.

The customer is not the answer.

You need to build brand intelligence instead. How do you do this?

You know your business inside out. You embrace what makes you different. These are your vulnerabilities, your weaknesses, your business Big Nose. They are what makes you real, relatable, distinguishable.

This book will help you to see your business in a completely different light, and in doing so, reinvent how you present yourself and your business to the world.



FEBRUARY 2020 240PP

978-0-7303-7057-4 PB \$20.00 (Japan)

Business Self-Help

Strive

Embracing the gift of struggle

ADAM FRASER

If you ask people what they want from life, the response will most likely be, "I just want to be happy". Psychologist Dr Adam Fraser shakes up everything you think you knew about happiness. You are not a special snowflake, boredom is dangerous, all your dreams shouldn't come true, getting your arse kicked is important and crucially, we feel best when we are pursuing a goal, not when we achieve it. This process of finding purpose, seeking and striving is critical for our health and wellbeing both personally and professionally. This book provides readers practical strategies and behaviours to live a much more productive, joyous, meaningful and fulfilled life and balance striving without falling into burnout.

- **EDGE ON THE HAPPINESS INDUSTRY:** The industry around 'happiness' has it all wrong – it's about the journey of seeking and striving than the destination.
- **BACKED BY CASE STUDIES AND GLOBAL RESEARCH INCLUDING PARTNER DEAKIN UNIVERSITY:** Dr Adam Fraser draws on the latest global research from a number of eminent sources, including his research partner Deakin University.
- **TAPS INTO CONSUMER TRENDS OF PSYCHOLOGY, BRAIN HEALTH AND GROWTH MINDSET:** Dr Adam Fraser uses research and his psychology background to provide practical strategies for people to apply daily.
- **START STRIVING AND SEEKING, WORK WITH PURPOSE:** Readers will discover that it's not the destination, but the journey that really matters.
- **IMPROVE WORKPLACE PRODUCTIVITY AND ENGAGEMENT:** Watch workplace wellbeing and engagement levels lift as individuals and teams undertake more work that matters.

FEBRUARY 2020 288PP

978-0-7303-3741-6 PB \$24.00 (Japan)

Business Self-Help

Powerful Leadership Through Coaching

Principles, Practices, and Tools for Managers at Every Level

MICHAEL K. SIMPSON

All great coaches know how to ask good open-ended questions and how to give effective feedback. They keep a balanced and honest perspective that separates the person from the problem or issue; coaching to leverage their unique strengths and helping them improve weaknesses with a mindset focused on continuous improvement.

This ongoing coaching and development can be a "game changer" for all people and teams with access to it. But what about the teams and players that aren't empowered--or even allowed--to expand their roles? Or the team members whose careers don't inspire or play to their natural gifts, talents, and strengths? It's painful for any organization or manager when people on their team aren't given the tools to succeed; and more painful still when the team member doesn't yet realize it. But by coaching through leadership, any manager of any organization can create a supportive structure that helps assign the right roles, resources, tools, and career opportunities that will best leverage their strengths.

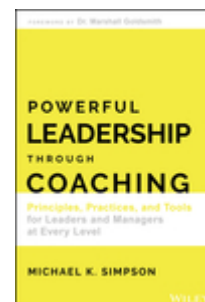
- Determines coachability and readiness for employee change and improvement
- Builds awareness to deal with the right issues, challenges, and opportunities
- Offers leaders/managers the tools to help a performer leverage their greatest gifts, talents, and strengths
- Allows for dialogue and tactics to close gaps in experience, communication styles, and personality
- Guides managers in how to have dialogue around difficult and important issues with their employees
- Includes coaching principles, practices, and tools with practical, real-world examples
- Offers strategies and tools to help employees become more motivated for effective change, action, and accountability

Each chapter includes a series of powerful and provocative coaching questions for any leader or manager to use immediately in the workplace.

FEBRUARY 2020 UnknownPP

978-1-119-52902-6 CL \$25.00 (Japan)

Management / Leadership



Corporate Foreign Exchange Risk Management

LARS OXELHEIM, ALF ALVINIUSSEN & HÅKAN JANKENSGÅRD
Scandinavian Institute for Foreign Exchange Research

Virtually any organisation active in the global economy is impacted by fluctuations in foreign exchange (FX or ForEx) markets. Managers need to understand this increasingly complex issue and measure their firm's exposure to risk. Corporate Foreign Exchange Risk Management is an in-depth yet accessible guide on effective ForEx exposure management. Designed for professionals responsible for managing a profit & loss or balance sheet influenced by ForEx fluctuations, it enables risk managers to navigate the interconnected worlds of financial management and economics.

This innovative guide integrates academic discussion of the economics of risk management decisions and pragmatic advice for various situations in which performance measures affected by accounting standards are paid considerable attention. Readers are provided with the tools and knowledge required to handle a broad range of issues related to ForEx risk management. Clear, non-technical chapters demystify concepts that often appear complicated and confusing to managers. Written by globally-recognised experts in corporate finance, risk management and international business, this book:

- Employs a reader-friendly narrative style to explain complex concepts
- Provides a clear, actionable risk management strategy which can be used in a variety of businesses
- Places all concepts in relatable, real-world contexts
- Explains important academic research to practitioners in plain English
- Includes effective pedagogical tools and explanations, straightforward examples and end-of-chapter summaries which highlight key points

Corporate Foreign Exchange Risk Management is a must-read for any manager who deals with corporate exposure to ForEx risk, as well as analysts wishing to better understand the relation between corporate performance and ForEx fluctuations and students of corporate risk management.

FEBRUARY 2020 224PP
978-1-119-59886-2 CL \$56.00 (Japan)
Corporate Governance

JANUARY 2020 224PP
978-1-119-59889-3 **Wiley Online Library**

Affiliate Marketing For Dummies

TED SUDOL & PAUL MLADJENOVIC

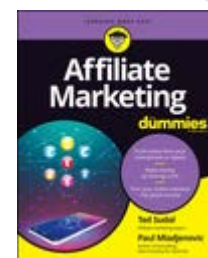
Affiliate marketing is your route to earning some serious bucks. Thousands of companies both large & small like Amazon, Sears, Best Buy, Overstock, Lowe's, Priceline & others have programs so you can profit from the thousands of products they offer.

Affiliate marketing is ideal for bloggers looking to monetize their work. This is a multibillion-dollar market, and there are 10+ million people involved in the biz worldwide. There's always room for more because the opportunity keeps growing as more and more companies offer affiliate programs. Affiliate Marketing For Dummies shows you how to get a slice of the pie!

- Choose the right affiliate product or service for you
- Find the best affiliate programs for you
- Find the best affiliate marketing strategies

Affiliate Marketing for Dummies is your friendly step-by-step guide to getting in on this moneymaker--big time.

FEBRUARY 2020 UnknownPP
978-1-119-62824-8 PB \$26.99 (Japan)
Marketing & Sales



Hardiness

Making Stress Work for You to Achieve Your Life Goals

STEVEN J. STEIN & PAUL T. BARTONE
Multi-Health Systems (MHS)

Life is full of questions. How you answer these questions can determine which path your life takes. Think about how many questions you are faced with every day. It can be overwhelming. From the mundane to the profound, questions help you navigate everything from your daily routine to your career choices and relationships. Sometimes, asking the right question is just as important as the answer: What do you want out of life? Is it financial success? A loving family?

Career achievement? Maybe you are coping with a serious illness. Whatever your goal may be, you have undoubtedly encountered barriers that slow your progress. One of the biggest of these barriers is stress. Scientific research has found that your ability to resist the damaging effects of stress—your hardiness—can reduce stress-related illness and strengthen your ability to thrive under pressure.

Hardiness, written by respected clinical and research psychologists, will help develop your psychological hardiness which, in turn, enables you to enjoy more of life's rewards. Mastering the 3 C's of hardiness—commitment, control, and challenge—is essential to increasing hardiness and responding effectively to stressful situations. This invaluable guide provides exercises and activities, based on 30 years of research, specifically designed to increase your hardiness in all areas of your personal and professional life. This book will help you:

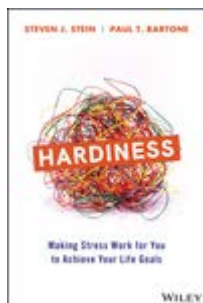
- Understand how hardiness is assessed to evaluate and improve your response to stress
- Unlock your new potential made possible by a better understanding of hardiness
- Examine real-life examples and case studies of psychological hardiness
- Increase your engagement in the surrounding world
- Capitalize on opportunities for your personal growth

Hardiness: Making Stress Work for You to Achieve Your Life Goals can help you move toward becoming healthier, more self-actualized, and increasingly satisfied with your life and future.

FEBRUARY 2020 272PP

978-1-119-58445-2 CL \$27.00 (Japan)

Consumer Behavior



Joint Ventures Involving Tax-Exempt Organizations

2019 Cumulative Supplement 4th Edition

MICHAEL I. SANDERS, Washington, DC, United States

Joint Ventures Involving Tax-Exempt Organizations examines the procedures, rules, and regulations surrounding joint ventures and partnerships, emphasizing tax-exempt status preservation. Revised and updated to align with changes made to numerous tax codes and laws within the last year, this supplement offers expert interpretation and practical guidance to professionals seeking a complete reference, including an analysis of impact of the "siloing" of the UBIT rules, the new Opportunity Zone Funds which will incentivize investors in designated census tracts, inter alia. Sample documents enable quick reference and demonstrate real-world application of new laws and guidelines. The discussion delves into planning strategies that can be applied to joint ventures and partnerships while maintaining tax-exempt status, and which joint ventures are best suited for a particular organization.

Widely accepted business strategies for profit-based entities, joint ventures, partnerships, and alliances are increasingly being used by nonprofits in need of additional financial support in challenging economic environments. This book provides invaluable guidance to appropriate planning and structuring while complying with tax-exemption guidelines.

- Identify the most appropriate transactions for nonprofit organizations
- Recognize potential problems stemming from debt restructuring and asset protection plans
- Reference charitable organization, partnerships, and joint venture taxation guidelines
- Understand which joint venture configurations are best suited to tax-exempt organizations

Joint ventures and partnerships are currently employed by a variety of not-for-profit organizations while maintaining their tax-exempt status. Hospitals, research laboratories, colleges and universities, charter and special-needs schools, low-income housing developments, and many others are reaping the benefits of joint venture participation—but without careful planning and accurate interpretation of current laws, these benefits can be erased by loss of tax-exempt status. Joint Ventures Involving Tax-Exempt Organizations provides practical, up-to-date guidance on realizing the full benefits and avoiding the hazards unique to nonprofit organizations.

SERIES: WILEY NONPROFIT AUTHORITY
FEBRUARY 2020 256PP

978-1-119-61585-9 PB \$150.00 (Japan)

Non-Profit Organizations / Law



Oversubscribed

How To Get People Lining Up To Do Business With You

2nd Edition

DANIEL PRIESTLEY

Are you constantly chasing customers? Why does it seem like some businesses have their customers begging to purchase their goods or services? Think about it for a moment. When a new iPhone is released, why do customers camp overnight to be the first through the door? In cities with thousands of great restaurants, why do some restaurants require reservations months in advance? Why is it that some consultants, accountants, lawyers and healthcare professionals can charge exponentially more than others? In the modern marketplace, consumer options are virtually endless, intense competition is rife and so much is given away for free online. Often businesses are left scrambling to attract enough customers to make a small profit. Yet the opposite is true for a small number of businesses that do things differently – customers chase them. They have buyers who gladly queue up, pay more, and eagerly wait for the chance to hand over their money for the next thing. How do these businesses do it? More importantly, how can you become one of them?

Oversubscribed is the guide to transforming your business into one which customers fight over! Author Daniel Priestley, a successful entrepreneur who has built and sold businesses around the world, shares proven, real-world methods that will not only grab customers' attention, but will also have them lining up to buy from you. This invaluable guide will teach you how to drive demand for your products or services far beyond supply and will dramatically increase the success of your business. Now in its second edition, this updated version offers new insights and motivating examples that are right for the 2020s. This book will show you:

- The principles and philosophies Oversubscribed businesses live by that are often the opposite of what most businesses do
- Specific steps for getting into the mind of your customer so they only want to buy from your business
- How to structure campaigns and product launches that systematically get your business Oversubscribed
- How to implement a process of signalling to market, and collect signals back from market to build up desire and demand for your products and services

FEBRUARY 2020 240PP

978-0-85708-825-3 PB \$22.00 (Japan)

Small Business & Entrepreneurship

Earth Pressure

ACHIM HETTLER & KARL-EUGEN KURRER
Berlin

The subject of earth pressure is one of the oldest and most extensive chapters in soil mechanics and foundation engineering and is one of the pillars of structural engineering. First the development of earth pressure theory is comprehensively described. The descriptions range from the first approaches to the determination of earth pressure through continuum mechanical earth pressure models to the integration of earth pressure research into the disciplinary structure of geotechnics.

The main part of the book comprises a selection of current calculation basics. The aim is to provide a collection of working instructions for foundation and structural engineers in construction companies, consultants and in building supervision as well as students. In order to further theoretical understanding, the essential basics of the determination of earth pressure are first presented. Then the most important processes for active and passive earth pressure and at-rest earth pressure for practical application are dealt with, with spatial effects also being taken into account. The book sets out to provide brief information about rarely encountered questions with references to further literature. In recent years, the dependency of earth pressure on displacement has been paid ever more attention. This applies not just to the passive but also to the active case.

Questions are repeatedly passed to the DIN committee "calculation processes". A selection of these is dealt with in the commentary to DIN 4085, which came out in September 2018.

The history of earth pressure theory is supplemented by 40 selected short biographies of scientists and practical engineers, who have taken up the subject and further developed it over the years. The book also has two appendices with terms, formula symbols and indices as well as earth pressure tables.

DECEMBER 2019 441PP

978-3-433-03307-4 CL \$205.00 (Japan)

Soil (Civil Engineering)



Static and Dynamic Analysis of Engineering Structures Incorporating the Boundary Element Method

LEVON G PETROSIAN & VLADIMIR A AMBARTSUMIAN

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

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

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

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

FEBRUARY 2020 600PP

978-1-119-59283-9 CL \$150.00 (Japan)

Structural Theory & Structural Mechanics

FEBRUARY 2020

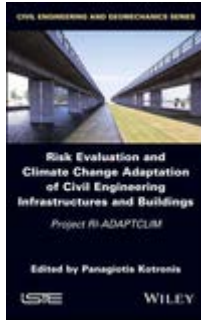
978-1-119-59294-5 **Wiley Online Library**

Risk Evaluation and Climate Change Adaptation of Civil Engineering Infrastructures and Buildings

Project RI-ADAPTCLIM

PANAGIOTIS KOTRONIS

This book brings together a selection of the scientific results of the RI ADAPTCLIM project (International Network on Risk Assessment and Climatic Adaptation of Civil Engineering and Buildings Works). Funded by the Pays de la Loire region in France as part of the 2014 Strategie Internationale call for projects, research teams from the scientific group LiRGeC (ECN, UN, IFSTTAR, CSTB) and several international partners contributed their human, experimental and digital resources. RI-ADAPTCLIM was established to study the short- and medium term effects of climatic conditions on buildings, infrastructures and the ground. Following an integrated, interdisciplinary and multi-physics approach, the researchers proposed decision support tools that would increase the resilience of structures and buildings against the impact of hazards due to climate change.



DECEMBER 2019 172PP

978-1-78630-486-5 CL \$120.00 (Japan)

Civil Engineering & Construction Special Topics

OCTOBER 2019

978-1-119-67142-8 **Wiley Online Library**

化学

Modern Supercritical Fluid Chromatography

Carbon Dioxide Containing Mobile Phases

最新 超臨界流体クロマトグラフィー — 二酸化炭素含有移動相

LARRY M. MILLER, J. DAVID PINKSTON & LARRY T. TAYLOR
Indianapolis, Indiana

Modern supercritical fluid chromatography (SFC) is the leading method used to analyze and purify chiral and achiral chemical compounds, many of which are pharmaceuticals, pharmaceutical candidates, and natural products including cannabis-related compounds. This book covers current SFC instrumentation as it relates to greater robustness, better reproducibility, and increased analytical sensitivity.

This book covers the history, instrumentation, method development and applications of SFC. Topics covered include: Milestones of Supercritical Fluid Chromatography; Physical Properties of Supercritical Fluids; Instrumentation for SFC; Detection in SFC; Achiral SFC Method Development; Chiral SFC Method Development; and Preparative Scale SFC. Also includes highlights of modern applications of SFC in the final chapters—namely pharmaceuticals, consumer products, foods, polymers, petroleum-related mixtures, and cannabis—and discusses the future of SFC.

- Provides a clear explanation of the physical and chemical properties of supercritical fluids, which gives the reader a better understanding of the basis for improved performance in SFC compared to HPLC and GC
- Describes the advantages of SFC as a green alternative to HPLC and GC for the analysis of both polar, water-soluble, and non-polar analytes
- Details both achiral and chiral SFC method development, including modifiers, additives, the impact of temperature and pressure, and stationary phase choices
- Details why SFC is the premier modern preparative chromatographic technique used to purify components of mixtures for subsequent uses, both from performance and economic perspectives
- Covers numerous detectors, with an emphasis on SFC-MS, SFC-UV, and SFC-ELSD (evaporative light scattering detection)
- Describes the application of SFC to numerous high-value application areas

SERIES: CHEMICAL ANALYSIS: A SERIES OF MONOGRAPHS ON ANALYTICAL CHEMISTRY AND ITS APPLICATIONS

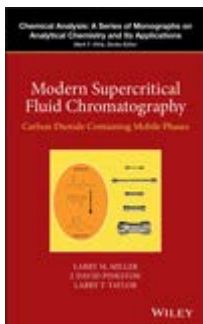
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978-1-118-94839-2 CL \$125.00 (Japan)

Chromatography / Separation Techniques

NOVEMBER 2019

978-1-119-62602-2 **Wiley Online Library**



Forensic Science and Humanitarian Action

Interacting with the Dead and the Living 2 Volume Set

法科学と人道主義的行動 — 生と死の相互作用

ROBERTO C. PARRA, SARA C. ZAPICO & DOUGLAS H. UBELAKER

Using the preservation of the dignity of the deceased as its foundation, Forensic Science and Humanitarian Action: Interacting with the Dead and the Living is a unique examination of the applications of humanitarian forensic science. Spanning two comprehensive volumes, the text is sufficiently detailed for forensic practitioners, yet accessible enough for non-specialists, and discusses both the latest technologies and real-world interactions. Arranged into five sections, this book addresses the 'management of the dead' across five major areas in humanitarian forensic science.

Volume One presents the first three of these areas: History, Theory, Practice, and Legal Foundation; Basic Forensic Information to Trace Missing Persons; and Stable Isotopes Forensics. Topics covered include:

- Protection of The Missing and the Dead Under International Law
- Social, Cultural and Religious Factors in Humanitarian Forensic Science
- Posthumous Dignity and the Importance in Returning Remains of the Deceased
- The New Disappeared -- Migration and Forensic Science
- Stable Isotope Analysis in Forensic Anthropology

Volume Two covers two further areas of interest: DNA Analysis and the Forensic Identification Process. It concludes with a comprehensive set of case studies focused on identifying the deceased, and finding missing persons from around the globe, including:

- Forensic Human Identification from an Australian Perspective
- Skeletal Remains and Identification Processing at the FBI
- Migrant Deaths along the Texas/Mexico Border
- Humanitarian Work in Cyprus by The Committee on Missing Persons (CMP)
- Volcán De Fuego Eruption -- Natural Disaster Response from Guatemala

Drawing upon a wide range of contributions from respected academics working in the field, Forensic Science and Humanitarian Action is a unique reference for forensic practitioners, communities of humanitarian workers, human rights defenders, and government and non-governmental officials.

SERIES: FORENSIC SCIENCE IN FOCUS

FEBRUARY 2020 500PP

978-1-119-48196-6 CL \$225.00 (Japan)

Forensics

FEBRUARY 2020

978-1-119-48206-2 **Wiley Online Library**



Petrochemistry

Petrochemical Processing, Hydrocarbon Technology and Green Engineering

石油化学 — 石油化学プロセス, 炭化水素の技術と
グリーンエンジニアリング

MARTIN BAJUS

This innovative textbook provides essential links between the chemical sciences and chemical technology, between petrochemistry and hydrocarbon technology. The book brings alive key concepts forming the basis of chemical technology and presents a solid background for innovative process development. In all chapters, the processes described are accompanied by simplified flow schemes, encouraging students to think in terms of conceptual process designs.

Petrochemistry: Petrochemical Processing, Hydrocarbon Technology and Green Engineering introduces students to a variety of topics related to the petrochemical industry, hydrocarbon processing, fossil fuel resources, as well as fuels and chemicals conversion. The first chapter covers the fundamentals and principals for designing several of the processes in the book, including discussions on thermodynamics, chemical kinetics, reactor calculations, and industrial catalysts. The following chapters address recent advances in hydrocarbon technology, energy technology, and sources of hydrocarbons. The book then goes on to discuss the petrochemical industry based on four basic pillars, all derived from petroleum and natural gas:

- Production of lower alkenes; other sources of lower alkenes; petrochemicals from C2-C3 alkenes
- Production of BTX aromatics; chemicals from BTX aromatics
- C1 technology
- Diversification of petrochemicals

The growing importance of sustainable technology, process intensification and addressing greenhouse gas emissions is reflected throughout the book.

Written for advanced students working in the areas of petrochemistry, hydrocarbon technology, natural gas, energy materials and technologies, alternative fuels, and recycling technologies the book is also a valuable reference for industrial practitioners in the oil and gas industry.

FEBRUARY 2020 432PP

978-1-119-64776-8 CL \$105.00 (Japan)

Petrochemistry / Fuel

Cancer Chemotherapy

Basic Science to the Clinic

2nd Edition

がん化学療法 — 科学的基礎から臨床まで 第2版

RACHEL AIRLEY

Liverpool John Moores University, UK

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

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

- Presents a clear, accessible, and comprehensive approach to cancer chemotherapy from basic science to clinical practice
- Offers a major update that reflects the latest developments in personalized chemotherapy
- Provides in-depth coverage of advances in biomarker diagnostics
- Includes new chapters/sections on bioinformatics and the 'omic sciences'; pharmaceutical strategies used to achieve tumor-selective drug delivery; and cancer cell autophagy
- Combines descriptions of both clinical protocol and explanations of the drug design process in one self-contained book
- Features numerous diagrams and illustrations to enhance reader understanding

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

FEBRUARY 2020 296PP

978-1-118-96385-2 PB \$65.00 (Japan)

Pharmaceutical & Medicinal Chemistry

Therapeutic Dressings and Wound Healing Applications

Editor JOSHUA BOATENG

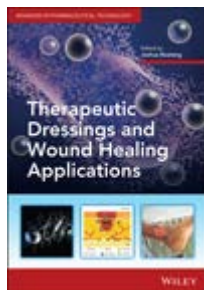
SERIES: ADVANCES IN
PHARMACEUTICAL TECHNOLOGY
FEBRUARY 2020 340PP
978-1-119-43326-2 CL \$190.00
(Japan)

Pharmaceutical & Medicinal Chemistry

FEBRUARY 2020

978-1-119-43331-6

Wiley Online Library



Pharmaceutical Microbiological Quality Assurance and Control

Practical Guide for Non-Sterile Manufacturing

製剤における微生物品質保証と品質管理 — 無菌製造のための実践的ガイド

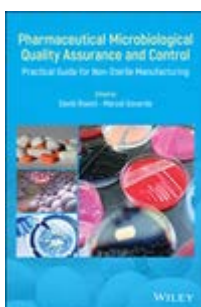
DAVID ROESTI & MARCEL GOVERDE

Relying on practical examples from the authors' experience, this book provides a thorough and modern approach to controlling and monitoring microbial contaminations during the manufacturing of non-sterile pharmaceuticals.

Offers a comprehensive guidance for non-sterile pharmaceuticals microbiological QA/QC Presents the latest developments in both regulatory expectations and technical advancements Provides guidance on statistical tools for risk

assessment and trending of microbiological data Describes strategy and practical examples from the authors' experience in globalized pharmaceutical companies and expert networks

- Offers a comprehensive guidance for non-sterile pharmaceuticals microbiological QA/QC
- Presents the latest developments in both regulatory expectations and technical advancements
- Provides guidance on statistical tools for risk assessment and trending of microbiological data
- Describes strategy and practical examples from the authors' experience in globalized pharmaceutical companies and expert networks



FEBRUARY 2020 592PP

978-1-119-35607-3 CL \$195.00 (Japan)

Drug Discovery & Development

DECEMBER 2019

978-1-119-35619-6 Wiley Online Library

Organic Chemistry Concepts and Applications

有機化学 — 考え方と応用

ALLAN D. HEADLEY

Organic Chemistry: Concepts and Applications presents a comprehensive review of organic compounds that is appropriate for a two-semester sophomore organic chemistry course. The text covers the fundamental concepts needed to understand organic chemistry and clearly shows how to apply the concepts of organic chemistry to problem-solving. In addition, the book highlights the relevance of organic chemistry to the environment, industry, and biological and medical sciences. The author includes multiple-choice questions similar to aptitude exams for professional schools, including the Medical College Admissions Test (MCAT) and Dental Aptitude Test (DAT) to help in the preparation for these important exams. Rather than categorize content information by functional groups, which often stresses memorization, this textbook instead divides the information into reaction types. This approach bridges the gap between general and organic chemistry and helps students develop a better understanding of the material. A manual of possible solutions for chapter problems for instructors and students is available in the supplementary websites. This important book:

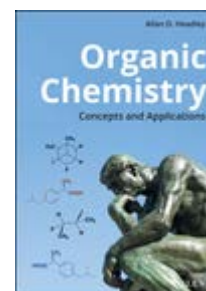
- Provides an in-depth study of organic compounds with division by reaction types that bridges the gap between general and organic chemistry
- Covers the concepts needed to understand organic chemistry and teaches how to apply them for problem-solving
- Puts a focus on the relevance of organic chemistry to the environment, industry, and biological and medical sciences
- Includes multiple choice questions similar to aptitude exams for professional schools

Written for students of organic chemistry, Organic Chemistry: Concepts and Applications is the comprehensive text that presents the material in clear terms and shows how to apply the concepts to problem solving.

FEBRUARY 2020 592PP

978-1-119-50458-0 PB \$140.00 (Japan)

Organic Chemistry



March's Advanced Organic Chemistry

Reactions, Mechanisms, and Structure
8th Edition

March 有機化学 – 反応, メカニズム, 構造 第8版

MICHAEL B. SMITH

University of Connecticut

The revised and updated 8th edition of March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure explains the theories of organic chemistry with examples and reactions. This book is the most comprehensive resource about organic chemistry available. Readers are guided on the planning and execution of multi-step synthetic reactions, with detailed descriptions of all the reactions. The opening chapters of March's Advanced Organic Chemistry, 8th Edition deal with the structure of organic compounds and discuss important organic chemistry bonds, fundamental principles of conformation, and stereochemistry of organic molecules, and reactive intermediates in organic chemistry. Further coverage concerns general principles of mechanism in organic chemistry, including acids and bases, photochemistry, sonochemistry and microwave irradiation. The relationship between structure and reactivity is also covered. The final chapters cover the nature and scope of organic reactions and their mechanisms.

This edition:

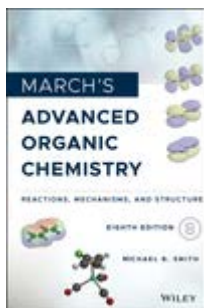
- Provides revised examples and citations that reflect advances in areas of organic chemistry published between 2011 and 2017
- Includes appendices on the literature of organic chemistry and the classification of reactions according to the compounds prepared
- Instructs the reader on preparing and conducting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

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

FEBRUARY 2020 2144PP

978-1-119-37180-9 CL \$175.00 (Japan)

Organic Chemistry



The Chemical Biology of Plant Biostimulants

植物のバイオスティムラントのケミカルバイオロジー

Editor DANNY GEELEN, Editor LIN XU & Series Editor

CHRISTIAN V. STEVENS

Faculty of Bioscience Engineering, Ghent University, Ghent, Belgium.

This book brings together different aspects of biostimulants, providing an overview of the variety of materials exploited as biostimulants, their biological activity, and agricultural applications. As different groups of biostimulants display different bioactivity and specificity, advances in biostimulant research is illustrated by different examples of biostimulants, such as humic substance, seaweed extracts, and substances with hormone-like activities. The book also reports on methods used to screen for new biostimulant compounds by exploring natural sources.

Combining the expertise of internationally-renowned scientists and entrepreneurs in the area of biostimulants and biofertilisers, The Chemical Biology of Plant Biostimulants offers in-depth chapters that look at: agricultural functions and action mechanisms of plant biostimulants (PBs); plant biostimulants from seaweed; seaweed carbohydrates; and the possible role for electron shuttling capacity in elicitation of PB activity of humic substances on plant growth enhancement. The subject of auxins is covered next, followed closely by a chapter on plant biostimulants in vermicomposts. Other topics include: exploring natural resources for biostimulants; the impact of biostimulants on whole plant and cellular levels; the impact of PBs on molecular level; and the use of use of plant metabolites to mitigate stress effects in crops.

- Provides an insightful introduction to the subject of biostimulants
- Discusses biostimulant modes of actions
- Covers microbial biostimulatory activities and biostimulant application strategies
- Offers unique and varied perspectives on the subject by a team of international contributors
- Features summaries of publications on biostimulants and biostimulant activity

The Chemical Biology of Plant Biostimulants will appeal to a wide range of readers, including scientists and agricultural practitioners looking for more knowledge about the development and application of biostimulants.

SERIES: WILEY SERIES IN RENEWABLE RESOURCE

FEBRUARY 2020 320PP

978-1-119-35719-3 CL \$140.00 (Japan)

Sustainable Chemistry & Green Chemistry

FEBRUARY 2020

978-1-119-35725-4 Wiley Online Library



コンピューティング

eBay For Dummies

10th Edition

MARSHA COLLIER, Northridge, United States
Los Angeles, CA, Author

Want to know the best way to get rid of some of that clutter laying around the house and make some cash? Or sell that beautiful jewelry you made recently? It might be time to take a quick trip to a market with more than 175 million buyers and start a global bidding war.

eBay remains the easiest way to sell to hungry consumers worldwide and to uncover incredible bargains and unique items for yourself in the process. Marsha Collier, longtime eBay business owner and one of their first elite PowerSellers, shares 20+ years of expertise to fast-track you to becoming a trusted buyer and seller on the site. You'll find out how to set up your account, market effectively, and master shipping and payment, as well as how to find the best bargains for yourself and close those sweet, sweet deals.

- Establish your eBay store
- Find techniques to make your listings stand out
- Make money and friends with social media
- Bid or buy outright

Whether you're a bargain hunter or bargain seller, declutterer or aspiring eBay tycoon, eBay for Dummies has what you need. Put your bid on it right now!

FEBRUARY 2020 UnknownPP
978-1-119-61774-7 PB \$24.99 (Japan)
Internet General



Salesforce.com For Dummies

7th Edition

LIZ KAO & JON PAZ

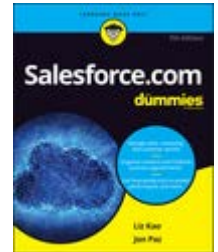
Salesforce.com For Dummies, 7th Edition gives you an edge in building relationships and managing your company's sales, marketing, customer service, and support operations. You'll learn how to maximize the new user interface to organize contacts, schedule business appointments, use forecasting tools to predict upcoming sales, make accurate projects based on past performance, and more.

Written by Salesforce.com insiders with years of expertise in CRM services, this new edition covers the latest enhancements to Salesforce.com, the world's most popular customer relationship management software. You'll find out how to determine the right configuration to suit your business needs, and how to use apps, widgets, and tools to personalize your system. Then, you'll explore prospecting leads, managing accounts and partners, developing contacts, tracking products, calculating forecasts, and utilizing service and support.

- Customize the new user interface with apps, widgets, and tools
- Prospect leads, drive sales, and provide outstanding customer service
- Manage contacts, identify opportunities, and analyze your results
- Collaborate with colleagues using Chatter

More than 150,000 companies worldwide use Salesforce.com as their CRM solution--if you're a new or existing user looking to maximize the potential of the new UI, this book has everything you need.

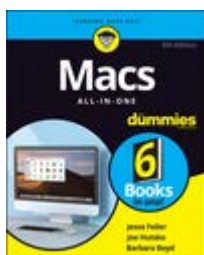
FEBRUARY 2020 UnknownPP
978-1-119-57632-7 PB \$29.99 (Japan)
Office Productivity - Non-Microsoft (General & Suites)



Macs All-In-One For Dummies 5th Edition

JESSE FEILER, *Plattsburgh, United States*, JOE HUTSKO & BARBARA BOYD

Are you getting the most from your Mac? Given what's possible, it's pretty unlikely. Whether you're just beginning your journey or are already a seasoned traveler, the six information-packed minibooks included in *Macs All-in-One for Dummies* open up a world of knowledge, from how to set up a recently bought Mac to exploring the coolest new features on your beloved device.



Now updated with what you need to know about the newest generation of hardware and software, *Macs All-in-One For Dummies* is your guide to simply everything: protecting your Mac; backing up and restoring data with Time Machine; managing applications on the Dock, Launchpad, and Desktop; syncing with iCloud, organizing your life with Calendar, Reminders, Notes, and Notifications; presenting with Keynote; crunching with Numbers; getting creative with iMovie and GarageBand--the list goes on!

- Explore the newest version of MacOS
- Set up and customize a new Mac with ease
- Become more efficient, professional, smart, and creative with the latest must-have apps
- Use Home Sharing to stream content to other computers, iOS devices, and Apple TVs
- Dive into six books in one place: Mac Basics, Online Communications, Beyond the Basics, Your Mac as a Multimedia Entertainment Center, Taking Care of Business, and Mac Networking

Whatever you want from your world of Mac, you'll find it here--as well as a million other incredible things you'll love. Get started on your new Mac journey today!

FEBRUARY 2020 UnknownPP

978-1-119-60798-4 PB \$44.99 (Japan)

Computer Hardware / Macintosh

iPhone For Seniors For Dummies 9th Edition

DWIGHT SPIVEY, *Mobile*

It's fun to play with new gadgets--but getting to the point where you can navigate around a new iPhone with ease can feel daunting at any age. Written with you in mind, the easy-to-follow steps, larger text, and full-color images in this book help you manage, personalize, and use your new iPhone to its fullest extent.

You'll discover how to do everything from shop online and organize appointments using Calendar, to taking and sharing pictures and downloading and listening to your favorite music. With the latest iOS update, you'll also learn how to customize Siri Suggestions, limit App notifications, stay in touch with Group FaceTime video calls, read ebooks, play games--whatever you fancy!

- Sync with iTunes
- Stay safe while browsing
- Manage email and appointments
- Download and use apps



Whether you're a total newbie or upgrading from an older model, *iPhone For Seniors For Dummies* helps you can sit back, relax, and enjoy keeping up with the latest technology!

FEBRUARY 2020 464PP

978-1-119-60761-8 PB \$29.99 (Japan)

Computer Hardware / Macintosh

コンピュータサイエンス

Hospital Logistics and e-Management

Digital Transition and Revolution

Editor PHILIPPE BLUA, Editor FAROUK YALAOUI, Editor LIONEL AMODEO, Editor DAVID LAPLANCHE & Editor MICHAEL DE BLOCK
 University of Troyes (UTT), France; University of Technology of Troyes (UTT), France

As new information and communication technologies (NICTs) increasingly reorganize our practices and influence our daily lives, there is a pressing need to study their impact in the field of hospital logistics and to question their future use. Hospital Logistics and e-Management presents an inventory of the health information system, and deals with informational and logistical issues with regard to medical information. Through two case studies of hospital logistics systems which have drawn on academic research, this book examines how powerful decision support tools can improve the quality of patient service and logistics organization. The first case study deals with the influx of patients to emergency services and service organization, and the second with the optimization of product collection and distribution flows.



DECEMBER 2019 198PP

978-1-78630-500-8 CL \$120.00 (Japan)

Information Technologies

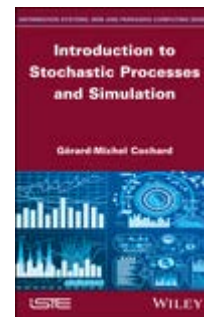
OCTOBER 2019

978-1-119-67053-7 Wiley Online Library

Introduction to Stochastic Processes and Simulation

GERARD-MICHEL COCHARD

Mastering chance has, for a long time, been a preoccupation of mathematical research. Today, we possess a predictive approach to the evolution of systems based on the theory of probabilities. Even so, uncovering this subject is sometimes complex, because it necessitates a good knowledge of the underlying mathematics. This book offers an introduction to the processes linked to the fluctuations in chance and the use of numerical methods to approach solutions that are difficult to obtain through an analytical approach. It takes classic examples of inventory and queueing management, and addresses more diverse subjects such as equipment reliability, genetics, population dynamics, physics and even market finance. It is addressed to those at Master's level, at university, engineering school or management school, but also to an audience of those in continuing education, in order that they may discover the vast field of decision support.



DECEMBER 2019 310PP

978-1-78630-484-1 CL \$155.00 (Japan)

Information Technologies

OCTOBER 2019

978-1-119-67082-7 Wiley Online Library

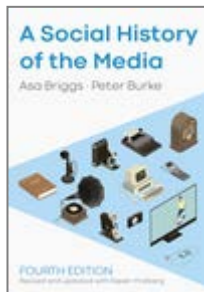
コミュニケーション

A Social History of the Media

4th Edition

PETER BURKE, ASA BRIGGS & ESPEN YTREBERG
Emmanuel College, Cambridge; Chancellor of the Open University,
formerly Provost of Worcester College, Oxford

The first three editions of this bestselling book have established *A Social History of the Media* as a classic, providing a masterful overview of communication media and of the social and cultural contexts within which they emerged and evolved over time.



This fourth edition has been revised and updated throughout to reflect the latest developments in the field. Additionally, an expanded introduction explores the wide range of secondary literature and theory that inform the study of media history today, and a new eighth chapter surveys the revolutionary media developments of the twenty-first century, including in particular the rise of social and participatory media and the penetration of these technologies into every sphere of social and private life.

Avoiding technological determinism and rejecting assumptions of straightforward evolutionary progress, this book brings out the rich and varied histories of communication media. In an age of fast-paced media developments, a thorough understanding of media history is more important than ever, and this text will continue to be the first choice for students and scholars across the world.

READERSHIP: Students of media and communication studies taking courses on the history of the media/journalism, from first year onwards. Students of history taking courses on media history/the history of the book - these modules would usually be optional at the upper level.

FEBRUARY 2020 360PP

978-1-5095-3371-8 CL \$84.95 (Japan)

General Communication & Media Studies

FEBRUARY 2020 360PP

978-1-5095-3372-5 PB \$28.95 (Japan)

General Communication & Media Studies

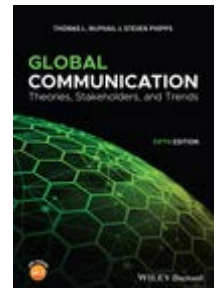
Global Communication

Theories, Stakeholders, and Trends

5th Edition

THOMAS L. MCPHAIL & STEVEN PHIPPS
University of Missouri, St Louis

This book is the most definitive text on multinational communication and media conglomerates, exploring how global media influences both audiences and policy makers around the world. Comprehensively updated to reflect the many fast moving developments associated with this dynamic field, this new edition investigates who and where certain cultural products are coming from and why, and addresses issues and concerns about their impact all over the world.



Global Communication: Theories, Stakeholders and Trends, 5th Edition is framed by two theories. One is World System Theory (WST), which views nations through an economic lens. The other, Electronic Colonialism Theory (ECT), views nations through a cultural lens. Through these theories, the book examines broadcasting, mass media, and news services ranging from MSNBC, MTV, and CNN to television sitcoms and Hollywood export markets. It investigates the roles of the major players, such as News Corp, Sony, the BBC, Disney, Bertelsmann, Viacom, or Time Warner, and probes the role of advertising and the Internet and their ability to transcend national boundaries and beliefs. New chapters look at the growing importance and significance of other major regions such as the media in the Middle East, Europe, and Asia.

- Outlines the major institutions, individuals, corporations, technologies, and issues that are altering the international information, telecommunication, and broadcasting order
- Focuses on a broad range of issues, ranging from social media and new services like Netflix, as well as Arab and Asian media
- Explains and interprets three major movements or theories: NWICO, Electronic Colonialism, and World System Theory
- Includes major updates to the chapter on the Internet to incorporate global events over the last 5+ years (such as Russian use thereof, Facebook, Google)
- Looks at how streaming services such as Netflix, Amazon, Spotify, and more have emerged as dominant players in world entertainment
- Offers an updated instructor's website with instructor's manual, test banks, and student activities

FEBRUARY 2020 328PP

978-1-119-52218-8 PB \$64.95 (Japan)

General Communication & Media Studies

文化研究

Not One Less

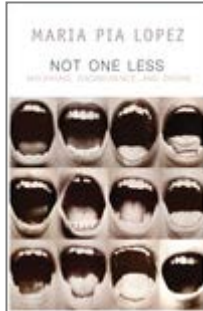
Mourning, Disobedience and Desire

MARIA PIA LOPEZ & FRANCES RIDDLE

On June 3, 2015, massive women's street demonstrations took place in many cities across Argentina to protest against femicide. Under the slogan *Ni una menos*, Not One (Woman) Less, thousands of women took to the streets to express their outrage at systematic violence against women, giving a face and a voice to women who might otherwise have died in silence.

Maria Pia López, a founding member and active participant in the Not One Less protest, offers in this book a first-hand account of the distinctive aesthetics, characteristics and lineages of this popular feminist movement, while examining the broader issues of gender politics and violence, inequality and social justice, mourning, performance and protest that are relevant to all contemporary societies.

A unique analysis of a social movement as well as a rich and original work of feminist theory and practice, this book will appeal to a wide readership concerned about gender based violence in the neoliberal contexts and what can be done to resist it.



SERIES: CRITICAL SOUTH

FEBRUARY 2020 180PP

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Gender Studies

FEBRUARY 2020 180PP

978-1-5095-3192-9 PB \$19.95 (Japan)

Gender Studies

New Approaches to Greek and Roman Warfare

Editor LEE L. BRICE
Western Illinois University

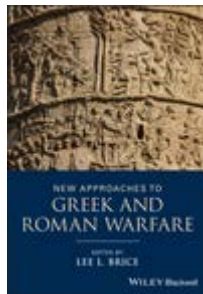
New Approaches to Greek and Roman Warfare brings together essays from specialists in ancient history who employ contemporary tools and approaches to reveal new evidence and increase knowledge of ancient militaries and warfare. In-depth yet highly readable, this volume covers the most recent trends for understanding warfare, militaries, soldiers, non-combatants, and their roles in ancient cultures.

Chronologically-organized chapters explore new methodologies, evidence, and topics while offering fresh and original perspectives on recent documentary and archaeological discoveries.

Covering the time period from Archaic Greece to the Late Roman Empire, the text asks questions of both new and re-examined old evidence and discusses the everyday military life of soldiers and veterans. Chapters address unique topics such as neurophysiological explanations for why some soldiers panic and others do not in the same battle, Greek society's handling of combat trauma in returning veterans, the moral aspects and human elements of ancient sieges, medical care in the late Roman Empire, and the personal experience of military servicemembers and their families. Each chapter is self-contained to allow readers to explore topics in any order they prefer. This book:

- Features case studies that examine psychological components of military service such as morale, panic, recovery, and trauma
- Offers discussions of the economics of paying for warfare in the Greek and Roman worlds and why Roman soldiers mutinied
- Covers examining human remains of ancient conflict, including interesting photos
- Discusses the role of women in families and as victims and addresses issues related to women and war
- Places discussions in the broader context of new wave military history and includes complete bibliographies and further reading suggestions

Providing new material and topical focus, New Approaches to Greek and Roman Warfare is an ideal text for Greek History or Roman History courses, particularly those focusing on ancient warfare, as well as scholars and general readers with interest in the ancient militaries.



FEBRUARY 2020 UnknownPP
978-1-118-27333-3 PB \$44.95 (Japan)
Ancient & Classical Studies

FEBRUARY 2020
978-1-119-24851-4 [Wiley Online Library](#)

歯学

Basic Guide to Orthodontic Dental Nursing

2nd Edition

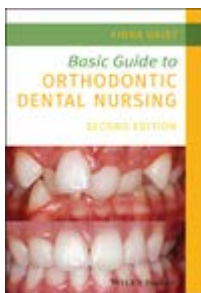
FIONA GRIST

Senior Orthodontic Nurse in the Maxillofacial Unit at Worthing Hospital and Vice President of the Orthodontic National Group for Dental Nurses and Therapists

The revised second edition of Basic Guide to Orthodontic Dental Nursing is a comprehensive guide that offers an introduction for students seeking to develop their knowledge and understanding of this core area of clinical practice.

Written in a clear and accessible format, it covers key subjects such as tooth eruption patterns, removable and fixed appliances, de-bonding and retention. It also contains information on care prior to treatment including the requirements for a first appointment and a helpful guide on maintaining motivation particularly for young patients and their parents.

- Presents essential information on orthodontic dental nursing
- Is written for trainee dental nurses undertaking the National Examining Board for Dental Nurses (NEBDN) qualification in Orthodontic Dental Nursing
- Covers key topics such as tooth eruption patterns, removable and fixed appliances, de-bonding and retention
- Includes colour illustrations and updated photographs throughout



Designed to reflect sections of the syllabus of the NEBDN Certificate in Orthodontic Dental Nursing, the second edition of Basic Guide to Orthodontic Dental Nursing is an invaluable resource for all dental nurses with an interest in orthodontics.

SERIES: BASIC GUIDE DENTISTRY SERIES

FEBRUARY 2020 339PP

978-1-119-57369-2 PB \$60.00 (Japan)

Dental Nursing

JANUARY 2020

978-1-119-57371-5 [Wiley Online Library](#)

The Orthodontic Mini-implant Clinical Handbook

2nd Edition

RICHARD COUSLEY

Consultant Orthodontist for the Peterborough & Stamford Hospitals NHS Foundation Trust

This all-new second edition of The Orthodontic Mini-implant Clinical Handbook provides a thoroughly revised and expanded update to the theoretical and practical aspects of using mini-implants in orthodontic practice. Taking a practical step-by-step approach with hundreds of clinical images, it presents updated clinical techniques and new clinical cases, covering all topics of importance for utilising mini-implants. It also includes a new chapter on mini-implant anchored maxillary expansion appliances.

It begins with a chapter that looks at mini-implant principles and potential complications, before moving onto clinical and design factors for maximising mini-implant success. Other chapters cover incisor retraction; molar distalisation and protraction; intrusion and anterior openbite treatments; bone anchored rapid maxillary expansion; orthognathic surgical uses; and ectopic teeth.

- Provides a comprehensive guide to both theoretical and practical advice for the use of mini-implants in orthodontic practice
- Covers updated clinical techniques and new clinical cases
- Presents a new chapter on mini-implant anchored maxillary expansion appliances
- Takes a highly illustrated step-by-step approach ideal for clinical practice

The Orthodontic Mini-Implant Clinical Handbook is an essential resource to orthodontists, maxillofacial surgeons, practicing dentists, and anyone with an interest in mini-implant skeletal anchorage.

FEBRUARY 2020 304PP

978-1-119-50975-2 CL \$135.00 (Japan)

Orthodontics

FEBRUARY 2020

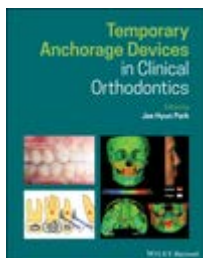
978-1-119-50973-8 [Wiley Online Library](#)

Temporary Anchorage Devices in Clinical Orthodontics

JAE HYUN PARK

Arizona School of Dentistry and Oral Health

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



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

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

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

FEBRUARY 2020 UnknownPP

978-1-119-51347-6 CL \$249.99 (Japan)

Orthodontics

FEBRUARY 2020

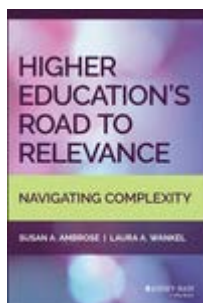
978-1-119-51363-6 [Wiley Online Library](#)

教育

Higher Education's Road to Relevance Navigating Complexity

SUSAN A. AMBROSE & LAURA WANKEL
Carnegie-Mellon University

The post-secondary educational system has undergone dramatic changes and experienced immense stress in the past two decades. Once regarded as the logical next step toward career opportunities and financial security, higher education is a subject of growing uncertainty for millions of people across the United States. It is more common than ever to question the return on investment, skyrocketing cost, and student debt burden of going to college. Prospective students, and many employers, increasingly view attending institutions of higher learning as inadequate preparation for entering the 21st century workforce. High-profile scandals--financial impropriety, sexual abuse, restrictions of free speech, among others--have further eroded public trust. In response to these and other challenges, leading voices are demanding strengthened accountability and measurable change.



Higher Education's Road to Relevance illustrates why change is needed in post-secondary education and offers practical solutions to pressing concerns. The authors, internationally recognized experts in college-level teaching and learning innovation, draw heavily from contemporary research to provide an integrative approach for post-secondary faculty, staff, and administrators of all levels. This timely book helps readers identify the need for leadership in developing new networks and ecosystems of learning and workforce development. This valuable book will help readers:

- Understand the forces driving change in higher education
- Develop multiple pathways to create and credential self-directed learners
- Promote access to flexible, cost-effective, and relevant learning
- Adapt structures and pedagogies to address issues and overcome challenges
- Use an inclusive approach that extends to employers, K-12 educators, post-secondary educators, and policy-makers, among others

Higher Education's Road to Relevance is a much-needed resource for college and university administrators, academic researchers, instructors and other faculty, and staff who support and interact with students.

FEBRUARY 2020 240PP

978-1-119-56838-4 CL \$40.00 (Japan)

Higher Education General

Critical Reading Across the Curriculum Social and Natural Sciences Volume 2

Editor ANTON BORST & Editor ROBERT DIYANNI

Strong critical reading skills are an essential part of any student's academic success. Teaching these vital skills requires educators to develop and implement effective teaching strategies, often based on their own critical reading practices. Critical Reading Across the Curriculum, Volume 2: Social and Natural Sciences provides educators with expert insights, real-world methods, and proven strategies to build critical reading skills in students across disciplines. Drawing from the experience of seasoned classroom practitioners, this book presents a dozen essays that offer various applications of critical reading best practices in fields such as anthropology, biology, economics, engineering, political science, and sociology. Clear, jargon-free chapters identify, explain, and illustrate best teaching practices for critical reading. Containing numerous practical examples and demonstrations, essays written by experts in their respective fields explain what critical reading requires for their discipline, as well as how to teach those skills in the classroom. Every essay includes a host of pedagogical activities, assignments, and projects that can be used directly or adapted for diverse teaching applications. This valuable book helps educators:

- Develop the skills students need to ask the right questions, consider sources, assess evidence, evaluate arguments, and reason critically
- Encourage students to practice critical reading skills with engaging exercises and activities
- Teach students to establish context and identify contextual connections
- Explain how to read for arguments, including content-based and conceptual arguments
- Adapt and apply teaching strategies to various curricula and disciplines

Critical Reading Across the Curriculum, Volume 2: Social and Natural Sciences is an ideal resource for educators in a wide range of areas, such as college and high school instructors in science and social science disciplines and instructors of graduate education courses.

FEBRUARY 2020 256PP

978-1-119-15525-6 CL \$79.95 (Japan)

Literacy & Reading

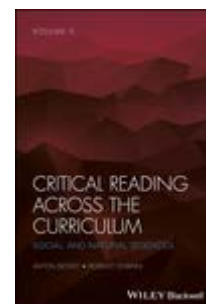
FEBRUARY 2020 UnknownPP

978-1-119-15526-3 PB \$34.95 (Japan)

Literacy & Reading

FEBRUARY 2020

978-1-119-15531-7 Wiley Online Library

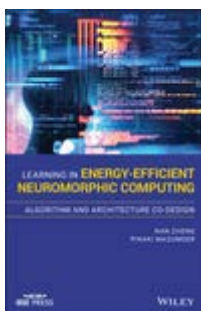


Learning in Energy-Efficient Neuromorphic Computing

Algorithm and Architecture Co-Design

NAN ZHENG & PINAKI MAZUMDER

This book focuses on how to build energy-efficient hardware for neural networks with learning capabilities--and provides co-design and co-optimization methodologies for building hardware neural networks that can learn. Presenting a complete picture from high-level algorithm to low-level implementation details, *Learning in Energy-Efficient Neuromorphic Computing: Algorithm and Architecture Co-Design* also covers many fundamentals and essentials in neural networks (e.g., deep learning), as well as hardware implementation of neural networks.



The book begins with an overview of neural networks. It then discusses algorithms for utilizing and training rate-based artificial neural networks. Next comes an introduction to various options for executing neural networks, ranging from general-purpose processors to specialized hardware, from digital accelerator to analog accelerator. A design example on building energy-efficient accelerator for adaptive dynamic programming with neural networks is also presented. An examination of fundamental concepts and popular learning algorithms for spiking neural networks follows that, along with a look at the hardware for spiking neural networks. Then comes a chapter offering readers three design examples (two of which are based on conventional CMOS, and one on emerging nanotechnology) to implement the learning algorithm found in the previous chapter. The book concludes with an outlook on the future of neural network hardware.

- Includes cross-layer survey of hardware accelerators for neuromorphic algorithms
- Covers the co-design of architecture and algorithms with emerging devices for much-improved computing efficiency
- Focuses on the co-design of algorithms and hardware, which is especially critical for using emerging devices, such as traditional memristors or diffusive memristors, for neuromorphic computing

SERIES: WILEY - IEEE
DECEMBER 2019 296PP

978-1-119-50738-3 CL \$125.00 (Japan)

Circuit Theory & Design / VLSI / ULSI

NOVEMBER 2019

978-1-119-50736-9 **Wiley Online Library**

Wireless Automation as an Enabler for the Next Industrial Revolution

MUHAMMAD ALI IMRAN, SAJID HUSSAIN & QAMMER H. ABBASI

This timely book introduces the state of the art in industrial automation techniques, concentrating on wireless methods for a variety of applications, ranging from simple smart homes to heavy-duty complex industrial setting with robotics accessibility. It covers a wide range of topics including the industrial revolution enablers, applications, challenges, their possible solutions, and future directions.

Wireless Automation as an Enabler for the Next Industrial Revolution opens with an introduction to wireless sensor networks and their applications in various domains, emphasizing industrial wireless networks and their future uses. It then takes a look at life-span extension for sensor networks in the industry, followed by a chapter on multiple access and resource sharing for low latency critical industrial networks. Industrial automation is covered next, as is the subject of ultra reliable low latency communications. Other topics include: self healing in wireless networks; cost efficiency optimization for industrial automation; a non event-based approach for non-intrusive load monitoring; wireless networked control; and caching at the edge in low latency wireless networks. The book finishes with a chapter on the application of terahertz sensing at nano-scale for precision agriculture.

- Introduces the future evolving dimension in industrial automation and discusses the enablers of the industrial revolution
- Places particular emphasis on wireless communication techniques which make industrial automation reliable, efficient, and cost-effective
- Covers many of the associated topics and concepts like robotics, AI, internet-of-things, telesurgery, and remote manufacturing
- Of great interest to researchers from academia and industry who are looking at the industrial development from various perspectives

Wireless Automation as an Enabler for the Next Industrial Revolution is an excellent book for telecom engineers, IoT experts, and industry professionals. It would also greatly benefit researchers, professors, and doctorate and postgraduate students involved in automation and industry 4.0.

SERIES: WILEY - IEEE
FEBRUARY 2020 340PP

978-1-119-55261-1 CL \$135.00 (Japan)

Mobile & Wireless Communications

FEBRUARY 2020

978-1-119-55263-5 **Wiley Online Library**

5G Technology 3GPP New Radio

HARRI HOLMA, Finland, ANTTI TOSKALA, Finland & TAKEHIRO NAKAMURA
Nokia, Finland; Nokia, Finland

5G brings new technology solutions to the 5G mobile networks including new spectrum options, new antenna structures, new physical layer and protocols designs and new network architectures. 5G Technology: 3GPP New Radio is a comprehensive resource that offers explanations of 5G specifications, performance evaluations, aspects of device design, practical deployment considerations and illustrative examples from field experiences.



With contributions from a panel of international experts on the topic, the book presents the main new technology components in 5G and describes the physical layer, radio protocols and network performance. The authors review the deployment aspects such as site density and transport network and explore the 5G performance aspects including data rates and coverage and latency. The book also contains illustrative examples of practical field measurement. In addition, the book includes the most recent developments in 4G LTE evolution and offers an outlook for the future of the evolution of 5G. This important book:

- Offers an introduction to 5G technology and its applications
- Contains contributions from international experts on the topic
- Reviews the main technology components in 5G
- Includes information on the optimisation of the Internet of things
- Presents illustrative examples of practical field measurements

Written for students and scientists interested in 5G technology, 5G Technology: 3GPP New Radio provides a clear understanding of the underlying 5G technology that promotes the opportunity to take full benefit of new capabilities.

FEBRUARY 2020 400PP

978-1-119-23631-3 CL \$95.00 (Japan)

Communication Technology - Networks

FEBRUARY 2020

978-1-119-23630-6 [Wiley Online Library](#)

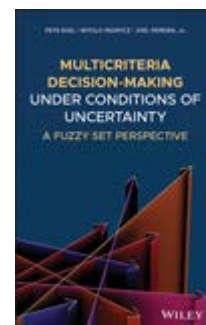
Multicriteria Decision-Making Under Conditions of Uncertainty A Fuzzy Set Perspective

PETR EKEL, WITOLD PEDRYCZ & JOEL PEREIRA JR.
Pontifical Catholic University of Minas; University of Manitoba,
Winnipeg, Canada

Multicriteria Decision-Making under Conditions of Uncertainty presents approaches that help to answer the fundamental questions at the center of all decision-making problems: "What to do?" and "How to do it?" The book explores methods of representing and handling diverse manifestations of the uncertainty factor and a multicriteria nature of problems that can arise in system design, planning, operation, and control. The authors--noted experts on the topic--and their book covers essential questions, including notions and fundamental concepts of fuzzy sets, models and methods of multiobjective as well as multiattribute decision-making, the classical approach to dealing with uncertainty of information and its generalization for analyzing multicriteria problems in condition of uncertainty, and more.

This comprehensive book contains information on "harmonious solutions" in multiobjective problem-solving (analyzing $\langle X, F \rangle$ models), construction and analysis of $\langle X, R \rangle$ models, results aimed at generating robust solutions in analyzing multicriteria problems under uncertainty, and more. In addition, the book includes illustrative examples of various applications, including real-world case studies related to the authors' various industrial projects. This important resource:

- Explains the design and processing aspect of fuzzy sets, including construction of membership functions, fuzzy numbers, fuzzy relations, aggregation operations, and fuzzy sets transformations
- Describes models of multiobjective decision-making ($\langle X, M \rangle$ models), their analysis on the basis of using the Bellman-Zadeh approach to decision-making in a fuzzy environment, and their diverse applications, including multicriteria allocation of resources
- Investigates models of multiattribute decision-making ($\langle X, R \rangle$ models) and their analysis on the basis of the construction and processing of fuzzy preference relations as well as demonstrating their applications to solve diverse classes of multiattribute problems
- Explores notions of payoff matrices and fuzzy-set-based generalization and modification of the classic approach to decision-making under conditions of the uncertainty to generate robust solutions in analyzing multicriteria problems



FEBRUARY 2020 368PP

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Fuzzy Systems

NOVEMBER 2019

978-1-119-53486-0 [Wiley Online Library](#)

Systems Engineering in the Fourth Industrial Revolution

Big Data, Novel Technologies, and Modern Systems Engineering

Editor RON S. KENETT, Editor ROBERT S. SWARZ & Editor AVIGDOR ZONNENSHAIN

Systems Engineering in the Fourth Industrial Revolution: Big Data, Novel Technologies, and Modern Systems Engineering offers a guide to the recent changes in systems engineering prompted by the current challenging and innovative industrial environment called the Fourth Industrial Revolution--INDUSTRY 4.0. This book contains advanced models, innovative practices, and state-of-the-art research findings on systems engineering. The contributors, an international panel of experts on the topic, explore the key elements in systems engineering that have shifted towards data collection and analytics, available and used in the design and development of systems and also in the later life-cycle stages of use and retirement.

The contributors address the issues in a system in which the system involves data in its operation, contrasting with earlier approaches in which data, models, and algorithms were less involved in the function of the system. The book covers a wide range of topics including five systems engineering domains: systems engineering and systems thinking; systems software and process engineering; the digital factory; reliability and maintainability modeling and analytics; and organizational aspects of systems engineering. This important resource:

- Presents new and advanced approaches, methodologies, and tools for designing, testing, deploying, and maintaining advanced complex systems
- Explores effective evidence-based risk management practices
- Describes an integrated approach to safety, reliability, and cyber security based on system theory
- Discusses entrepreneurship as a multidisciplinary system
- Emphasizes technical merits of systems engineering concepts by providing technical models

Written for systems engineers, Systems Engineering in the Fourth Industrial Revolution offers an up-to-date resource that contains the best practices and most recent research on the topic of systems engineering.

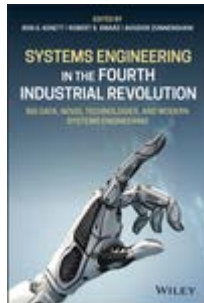
FEBRUARY 2020 350PP

978-1-119-51389-6 CL \$135.00 (Japan)

Systems Engineering & Management

DECEMBER 2019

978-1-119-51395-7 [Wiley Online Library](#)



Complexity Challenges in Cyber Physical Systems

Using Modeling and Simulation (M&S) to Support Intelligence, Adaptation and Autonomy

SAURABH MITTAL & ANDREAS TOLK, Norfolk, United States
Old Dominion University

This book provides the state-of-the-art in methods and technologies that aim to elaborate on the modeling and simulation support to cyber physical systems (CPS) engineering across many sectors such as healthcare, smart grid, or smart home. It presents a compilation of simulation-based methods, technologies, and approaches that encourage the reader to incorporate simulation technologies in their CPS engineering endeavors, supporting management of complexity challenges in such endeavors.

Complexity Challenges in Cyber Physical Systems: Using Modeling and Simulation (M&S) to Support Intelligence, Adaptation and Autonomy is laid out in four sections. The first section provides an overview of complexities associated with the application of M&S to CPS Engineering. It discusses M&S in the context of autonomous systems involvement within the North Atlantic Treaty Organization (NATO). The second section provides a more detailed description of the challenges in applying modeling to the operation, risk and design of holistic CPS. The third section delves in details of simulation support to CPS engineering followed by the engineering practices to incorporate the cyber element to build resilient CPS sociotechnical systems. Finally, the fourth section presents a research agenda for handling complexity in application of M&S for CPS engineering. In addition, this text:

- Introduces a unifying framework for hierarchical co-simulations of cyber physical systems (CPS)
- Provides understanding of the cycle of macro-level behavior dynamically arising from spatiotemporal interactions between parts at the micro-level
- Describes a simulation platform for characterizing resilience of CPS

Complexity Challenges in Cyber Physical Systems has been written for researchers, practitioners, lecturers, and graduate students in computer engineering who want to learn all about M&S support to addressing complexity in CPS and its applications in today's and tomorrow's world.

SERIES: STEVENS INSTITUTE SERIES ON COMPLEX SYSTEMS AND ENTERPRISES

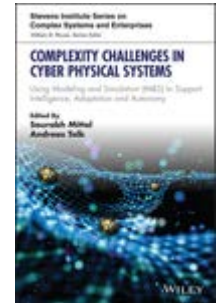
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Systems Engineering & Management

DECEMBER 2019

978-1-119-55248-2 [Wiley Online Library](#)



エネルギー

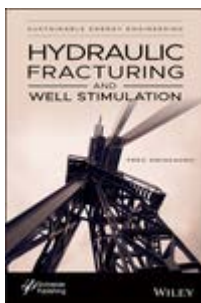
Hydraulic Fracturing and Well Stimulation

FRED AMINZADEH

Hydraulic fracturing (or "fracking") has been a source of both achievement and controversy for years, and it continues to be a hot-button issue all over the world. It has made the United States an energy exporting country once again and kept the price of gasoline low, for consumers and companies. On the other hand, it has been potentially a dangerous and destructive practice that has led to environmental problems and health issues. It is a deeply important subject for the petroleum engineer to explore as much as possible.

This collection of papers is the first in the series, Sustainable Energy Engineering, tackling this very complex process of hydraulic fracturing and its environmental and economic ramifications. Born out of the journal by the same name, formerly published by Scrivener Publishing, most of the articles in this volume have been updated, and there are some new additions, as well, to keep the engineer abreast of any updates and new methods in the industry.

Truly a snapshot of the state-of-the-art, this groundbreaking volume is a must-have for any petroleum engineer working in the field, environmental engineers, petroleum engineering students, and any other engineer or scientist working with hydraulic fracturing.



OCTOBER 2019 330PP

978-1-119-55569-8 CL \$225.00 (Japan)

Natural Gas & Petroleum Products

NOVEMBER 2019

978-1-119-55571-1 [Wiley Online Library](#)

Nuclear Reactor Physics and Engineering

JOHN C. LEE

Nuclear Reactor Physics and Engineering offers information on analysis, design, control, and operation of nuclear reactors. The author--a noted expert on the topic--explores the fundamentals and presents the mathematical formulations that are grounded in differential equations and linear algebra.

The book puts the focus on the use of neutron diffusion theory for the development of techniques for lattice physics and global reactor system analysis. The author also includes recent developments in numerical algorithms, including the Krylov subspace method, and the MATLAB software, including the Simulink toolbox, for efficient studies of steady-state and transient reactor configurations. In addition, nuclear fuel cycle and associated economics analysis are presented, together with the application of modern control theory to reactor operation. This important book:

- Provides a comprehensive introduction to the fundamental concepts of nuclear reactor physics and engineering
- Contains information on nuclear reactor kinetics and reactor design analysis
- Presents illustrative examples to enhance understanding
- Offers self-contained derivation of fluid conservation equations

Written for undergraduate and graduate students in nuclear engineering and practicing engineers, Nuclear Reactor Physics and Engineering covers the fundamental concepts and tools of nuclear reactor physics and analysis.

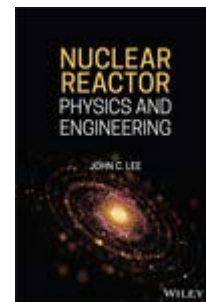
FEBRUARY 2020 624PP

978-1-119-58232-8 CL \$135.00 (Japan)

Nuclear Energy

DECEMBER 2019

978-1-119-58234-2 [Wiley Online Library](#)



Electric Power Principles Sources, Conversion, Distribution and Use 2nd Edition

JAMES L. KIRTLEY
Massachusetts Institute of Technology

The revised and updated second edition of *Electric Power Principles: Sources, Conversion, Distribution and Use* offers an innovative and comprehensive approach to the fundamentals of electric power. The author -- a noted expert on the topic -- provides a thorough grounding in electric power systems, with an informative discussion on per-unit normalisations, symmetrical components and iterative load flow calculations. The text covers the most important topics within the power system, such as protection and DC transmission, and examines both traditional power plants and those used for extracting sustainable energy from wind and sunlight.

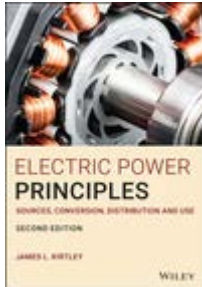
The text explores the principles of electromechanical energy conversion and magnetic circuits and synchronous machines -- the most important generators of electric power. The book also contains information on power electronics, induction and direct current motors. This new second edition includes:

- A new chapter on energy storage, including battery modeling and how energy storage and associated power electronics can be used to modify system dynamics
- Information on voltage stability and bifurcation
- The addition of Newton's Method for load flow calculations
- Material on the grounding transformer connections added to the section on three phase transformer
- An example of the unified power flow controller for voltage support

Written for students studying electric power systems and electrical engineering, the updated second edition of *Electric Power Principles: Sources, Conversion, Distribution and Use* is the classroom-tested text that offers an understanding of the basics of the physics of electric power handling systems.

FEBRUARY 2020 430PP
978-1-119-58517-6 CL \$99.95 (Japan)
Power Technology & Power Engineering

FEBRUARY 2020
978-1-119-58530-5 [Wiley Online Library](#)



Current Interruption Transients Calculation 2nd Edition

DAVID F. PEEL

Based on a course that has been presented by the author worldwide, this book teaches readers all about interruption transients calculation--showing how they can be calculated using only a hand calculator and Excel. It covers all the current interruption cases that occur on a power system and relates oscillatory circuit (transients) and symmetrical component theory to the practical calculation of current interruption transients as applied to circuit breaker application. The book explains all cases first in theory, and then illustrates them with practical examples.

Topics featured in *Current Interruption Transients Calculation, Second Edition* include: RLC Circuits; Pole Factor Calculation; Terminal Faults; Short Line Faults; Inductive Load Switching; and Capacitive Load Switching. The book also features numerous appendices that cover: Differential Equations; Principle of Duality; Useful Formulae; Euler's Formula; Asymmetrical Current-Calculating Areas Under Curves; Shunt Reactor Switching; and Generator Circuit Breaker TRVs.

- Offers a clear explanation of how to calculate transients without the use of specialist software, showing how four basic circuits can represent all transients
- Describes every possible current interruption case that can arise on a power system, explaining them through theory and practical examples
- Analyses oscillatory circuit (transients) and symmetrical component theory in detail
- Takes a practical approach to the subject so engineers can use the knowledge in circuit breaker applications

Current Interruption Transients Calculation, Second Edition is an ideal book for power electrical engineers, as well as transmission and distribution staff in the areas of planning and system studies, switchgear application, specification and testing, and commissioning and system operation.

SERIES: WILEY - IEEE
FEBRUARY 2020 300PP
978-1-119-54721-1 CL \$160.00 (Japan)
Power Technology & Power Engineering

JANUARY 2020
978-1-119-54727-3 [Wiley Online Library](#)

地球科学

Iceland

Tectonics, Volcanics, and Glacial Features

TAMIE J. JOVANELLY

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

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

Volume highlights include:

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

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

SERIES: GEOPHYSICAL MONOGRAPH SERIES

FEBRUARY 2020 224PP

978-1-119-42709-4 CL \$199.95 (Japan)

Geology & Geophysics

DECEMBER 2019

978-1-119-42715-5 [Wiley Online Library](#)



Atmospheric Science for Environmental Scientists

2nd Edition

C. NICK HEWITT & ANDREA V. JACKSON

University of Lancaster; University of Leeds

Climate change and air pollution are two of the most pressing issues facing Mankind. This book gives undergraduate and graduate students, researchers and professionals working in the science and policy of pollution, climate change and air quality a broad and up-to-date account of the processes that occur in the atmosphere, how these are changing as Man's relentless use of natural resources

continues, and what effects these changes are having on the Earth's climate and the quality of the air we breathe.

Written by an international team of experts, *Atmospheric Science for Environmental Scientists*, 2nd Edition provides an excellent overview of our current understanding of the state of the Earth's atmosphere and how it is changing. The first half of the book covers: the climate of the Earth; chemical evolution of the atmosphere; atmospheric energy and the structure of the atmosphere; biogeochemical cycles; and tropospheric chemistry and air pollution. The second half looks at cloud formation and chemistry; particulate matter in the atmosphere; stratospheric chemistry and ozone depletion; boundary layer meteorology and atmospheric dispersion; urban air pollution; and global warming and climate change science.

- Provides succinct but detailed information on all the important aspects of atmospheric science for students
- Offers the most up-to-date treatment of key issues such as stratospheric chemistry, urban air pollution, and climate change
- Each chapter includes basic concepts, end-of-section questions, and more in-depth material
- Features contributions from the best experts and educators in the field of atmospheric science

Atmospheric Science for Environmental Scientists, 2nd Edition is an invaluable resource for students, teachers, and professionals involved in environmental science. It will also appeal to those interested in learning how the atmosphere works, how humankind is changing its composition, and what effects these changes are leading to.

FEBRUARY 2020 320PP

978-1-119-51522-7 PB \$85.00 (Japan)

Atmospheric Sciences



Global Climate Change Demystified

JAMES G. SPEIGHT, Laramie, United States
CD-WINC, Laramie, Wyoming

For too many years climate change (also referred to as global warming) has been assigned predominantly to the emissions of carbon dioxide though the combustion of fossil fuels. It must never be forgotten or ignored, however, that the Earth is constantly changing since its formation and has gone through different eras like glaciations, among others. These changes need thousands of years to be made visible, and the current increase in the average temperature of the Earth since the pre-industrial period is happening, provided that the measurements of past climatic temperatures are accurate and beyond reproach. Thus, the assessment that the warming trend that has occurred over the past 100 years is very likely to have some origins in natural events. The precise contributions of natural effects and anthropogenic effects on the climate are not known, but it is accurate to conclude that many factors continue to influence climate. Whether or not human activities have become a dominant force in the changing climate and are responsible for most of the warming observed is still open to question.

When studying the climate system of the Earth, an area of common confusion that relates to whether climate scientists agree or disagree as to whether or not climate change is happening, or if it is happening, whether or not humans are the primary cause. There are a variety of reasons for this, but a majority of scientists who study climate and publish in peer-reviewed journals agree that human activity is causing the warming of the Earth.

The purpose of this book is to weigh all of these various data points and, in a scientific and unemotional way, arrive at likely conclusions regarding global climate change. Whether human activity is the main driver behind our current changes in climate, one thing is certain: Climate change is happening, and we all need to make informed, rather than emotional, decisions.

FEBRUARY 2020 282PP

978-1-119-65385-1 CL \$195.00 (Japan)

Environmental Change

NOVEMBER 2019

978-1-119-65386-8 [Wiley Online Library](#)

What is Environmental Politics?

ELIZABETH R. DESOMBRE
Wellesley College

Why is it so difficult to control, or fix, pollution? How can we justify harvesting the world's natural resources at unsustainable rates, even though these activities cause known harm to both people and ecosystems? Scientific knowledge and technological advances alone cannot tackle these environmental challenges; they also involve difficult political choices and trade-offs both locally and globally.



What is Environmental Politics? introduces students to the different ways society attempts to deal with the political decisions needed to prevent or recover from environmental damage. Across its six chapters leading environmental scholar Elizabeth DeSombre explains what makes environmental problems, such as climate change, overfishing or deforestation, particularly challenging to address via political processes, what types of political structures are more or less likely to prioritize protecting the environment, and how effective political intervention can improve environmental conditions and the lives of people who depend on them.

READERSHIP: undergraduate students of environmental politics and related subjects in the social sciences

SERIES: WILEY ESSENTIAL CLINICAL GUIDES TO UNDERSTANDING AND TREATING ISSUES OF CHILD MENTAL HEALTH

FEBRUARY 2020 232PP

978-1-5095-3413-5 CL \$64.95 (Japan)

Environmental Economics & Politics

FEBRUARY 2020 232PP

978-1-5095-3414-2 PB \$22.95 (Japan)

Environmental Economics & Politics

ファイナンス／インベストメント

Asset Liability Management Optimization

A Practitioner's Guide to Balance Sheet Management and Remodelling

BEATA LUBINSKA

A product of the author's extensive research work, this book presents an advanced method for optimizing Asset Liability Management as a solution to the regulatory and economic challenges faced by banks today. This practical method is a step-by-step process for modeling and reshaping a bank's balance sheet that entails application of a quantifiable optimization method to help maximize asset return and minimize funding cost in the banking book, and subsequently describes the Funds Transfer Pricing (FTP) process as a mean to achieve the target position of a bank. The book will also discuss detailed concepts of ALM, IRRBB, the FTP framework, and strategies for active management, structuring and hedging of a balance sheet.

Highlights of the book include:

- The evolving role of the ALM function and target position of the banking book
- Regulatory requirements -- Basel III
- Maturity Gap analysis
- The role of the Funds Transfer Pricing in banks
- Customer behavior and its impact on interest rate risk and liquidity risk
- Model risk and sensitivity analysis
- Case studies illustrating concepts and applications

SERIES: WILEY FINANCE

FEBRUARY 2020 308PP

978-1-119-63548-2 CL \$88.00 (Japan)

General Finance & Investments

FEBRUARY 2020

978-1-119-63552-9 [Wiley Online Library](#)

Investments

1st Edition

STEPHEN J. BROWN, WILLIAM N. GOETZMANN, EDWIN J. ELTON & MARTIN J. GRUBER

Leonard N. Stern School of Business, New York University; Yale University; New York University; New York University

FEBRUARY 2020 UnknownPP

978-0-471-69023-8 CL \$133.00 (Japan)

TEXT

Investments & Securities

The New Retirementality

Planning Your Life and Living Your Dreams...at Any Age You Want
Fifth Edition

MITCH ANTHONY

In 2000, when top financial philosopher and bestselling author Mitch Anthony first presented a new way of thinking about retirement, it was novel, and many critics didn't buy into it. Originally written to get the attention of baby boomers, Mitch ended up starting a revolution by showing us that everything we had read about retirement was wrong--we needed a "new retirementality." Fast-forward to today, when most of us are facing a very different retirement: fewer

pensions, escalating healthcare costs, and inadequate savings. For many of us, retirement may never happen, or it will take place much later than we expected.

Far from being full of doom and gloom, *The New Retirementality*, Fifth Edition, offers a message of hope, along with a roadmap for navigating the choppy waters of retirement planning. While most books focus on Return on Investment, Mitch shows us that Return on Life™--living the best life possible with the resources we have--is a more fulfilling and achievable approach. New to this edition:

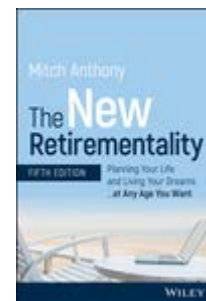
- The latest research and studies, as well as a discussion of Life-Centered Planning™--a unique approach to financial and retirement planning, focused on individual goals and needs instead of the outmoded one-size-fits-all approach.
- Explores the role of purpose in retirement planning, including the expanding role of work in retirement, and why it can take three or four tries to get retirement right.
- Features the New Retirementality Profile, the ROL Index for helping you analyze and reflect on how you are using your money toward improving your life, and worksheets to help you get organized.

Filled with engaging anecdotes, practical advice, and inspirational suggestions, this book will motivate you to rethink what retirement means--and put you in a better position to enjoy the new retirementality you deserve.

FEBRUARY 2020 UnknownPP

978-1-119-61148-6 PB \$22.95 (Japan)

Personal Finance



J.K. Lasser's Your Income Tax 2020

For Preparing Your 2019 Tax Return

J.K. LASSER

For over 70 years, millions of taxpayers have trusted J.K. Lasser to provide accurate, authoritative guidance. Fully updated to reflect the latest changes to the 2019 tax code, *Your Income Tax 2020* gives you step-by-step instructions for easy, stress-free filing. This invaluable book walks you through every part of the filing process in plain English, from organizing your records to navigating IRS worksheets and filling out the correct forms. Clear, easy-to-understand advice enables you to maximize deductions, protect income, and use the best tax strategy for your financial situation. Hundreds of real-world examples show which current tax laws, IRS rulings, and court decisions apply to you and how they affect your return.

Straightforward yet comprehensive, this respected resource answers all your questions and supplies everything you need to know for complete, error-free tax filing. Special features inserted throughout the text highlight important concepts, offer practical tips, and help you plan your overall tax strategy. With J.K. Lasser's help, you can submit your return correctly, on time, and save more money than you expected. This must-have guide will help you:

- Complete the various forms and worksheets correctly
- Optimize the filing process and streamline next year's filing
- Ensure you receive the maximum tax relief available to you
- Eliminate the fear of mistakes, errors, and audits
- Stay informed of last-minute changes with an included e-supplement

Filing your taxes doesn't have to be stressful and confusing. You don't need to study every line of the tax code and pore over every IRS publication. That is what J.K. Lasser's *Your Income Tax 2020* is for.

SERIES: J.K. LASSER
FEBRUARY 2020 896PP

978-1-119-59501-4 PB \$24.95 (Japan)

Personal Finance / Consumer Tax



J.K. Lasser's Guide to Self-Employment

Taxes, Strategies, and Money-Saving Tips for Schedule C Filers
2nd Edition

BARBARA WELTMAN, *United States*
IDG Books Worldwide, Inc.

If you're self-employed, chances are the majority of your time is spent finding new customers or clients, servicing existing ones, and handling each and every aspect of your business. Freelancers, independent contractors, gig economy participants, and other individuals working for themselves need to be aware of their responsibilities when it comes to paying their taxes. Even if you have an accountant or use tax preparation software, you may not be aware of all the deductions and credits you are entitled to. That's where the experts at J.K. Lasser come in.

The second edition of J.K. Lasser's *Guide to Self-Employment* helps you file your taxes correctly, accurately, and on time. Using clear, jargon-free language, this bestselling guide explains the legal and financial implications of self-employment and shows you how to keep as much of your hard-earned money as legally possible. You will learn the essentials of tax reporting and see what types of valuable tax-saving deductions and credits you can claim. Fully updated to reflect changes in the tax code, this new edition features practical examples, easy-to-use worksheets, real-world tips, expert advice, and much more. A must-have resource for anyone who fills out a Schedule C at tax time, this book:

- Offers effective strategies for reducing your tax bill and increasing your cash flow
- Presents a detailed overview of the Schedule C that explains when, where, and what to file
- Explains how to protect yourself on a tax-advantaged basis with insurance, health coverage, and retirement plans
- Features advice on growing your business through technology and education programs
- Provides new and updated information on the qualified business income deduction, getting certified for government contracts, recent legislation that protects freelancers, and more

SERIES: J.K. LASSER
FEBRUARY 2020 208PP

978-1-119-65873-3 PB \$19.95 (Japan)

Personal Finance / Consumer Tax

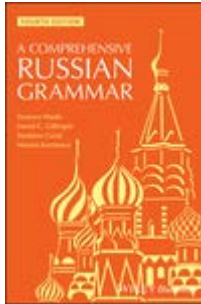


外国語

A Comprehensive Russian Grammar

DAVID GILLESPIE, TERENCE WADE, SVETLANA GURAL & MARINA KORNEEVA
University of Bath, UK; Late of University of Strathclyde

A Comprehensive Russian Grammar is the definitive guide to Russian usage and the standard reference work for students and professionals alike. Now in its fourth edition, it has been updated throughout by Russian language expert David Gillespie. His revisions reflect the grammatical and lexical changes in the digital age, and the new market-oriented economy of capitalist Russia, as well as the introduction of new accessible usage examples from Russian websites, social media, and post-Soviet literature.



This revised edition solidifies the position of A Comprehensive Russian Grammar as the premier text for Russian language reference across the English-speaking world.

SERIES: BLACKWELL REFERENCE GRAMMARS
FEBRUARY 2020 672PP

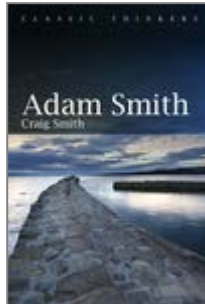
978-1-119-52029-0 PB \$49.95 (Japan)

Russian Grammars & Dictionaries

Adam Smith

CRAIG ALLEN SMITH
North Carolina State University

This new introduction gives a crystal clear overview of the entirety of Smith's thought. It demonstrates how Smith's economic theories fit into a larger system of thought that encompasses moral philosophy, philosophy of science, legal and political theory, and aesthetics. Examining the central arguments of his major works, ranging from *The Theory of Moral Sentiments* to his lectures on jurisprudence and beyond, Smith's thought is explained in its full intellectual and historical context. As the book unfolds, the long-standing caricature of Adam Smith as an uncritical defender of capitalism red in tooth and claw is systematically challenged, revealing a far more complex and nuanced figure whose rich legacy remains highly relevant today.



READERSHIP: Students and scholars of the thought of Adam Smith, and the general areas of the history of philosophy, the history of economic thought, political thought and intellectual history.

SERIES: CLASSIC THINKERS

FEBRUARY 2020 240PP

978-1-5095-1822-7 CL \$69.95 (Japan)

History of Ideas

FEBRUARY 2020 240PP

978-1-5095-1823-4 PB \$24.95 (Japan)

History of Ideas

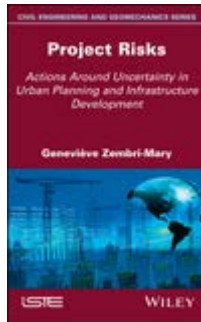
エンジニアリング

Project Risks**Actions Around Uncertainty in Urban Planning and Infrastructure Development**

GENEVIÈVE ZEMBRI-MARY

Those tasked with the planning and construction of infrastructure and development operations face an increasingly uncertain context in which they must address risks across a number of different fields. These range from the environmental and archaeological to the social, political and financial. As a consequence, the formal and informal practices of stakeholders often incorporate projections of risk and opportunity. *Project Risks* analyzes this paradigm shift.

It reviews the origin and nature of these uncertainties, and the practices implemented by the actors to mitigate or take advantage of them. Paradoxically, these practices generate new risks and power relations that are not compatible with the collaborative planning model. These paradoxes force the rethinking of practices such as project territorialization, risk taking in planning and the responsibility of actors, as well as the societal and political choices that must be made between the realization of projects and the protection of the environment.



DECEMBER 2019 316PP

978-1-78630-184-0 CL \$155.00 (Japan)*Industrial Engineering / Project Management*

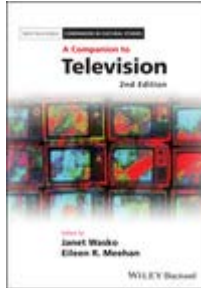
OCTOBER 2020

978-1-119-42175-7 **Wiley Online Library**

A Companion to Television 2nd Edition

Editor JANET WASKO & Editor EILEEN MEEHAN
University of Oregon

Although the digital age has radically altered the media and communications landscape worldwide, television continues to play a significant part of our lives. From its earliest beginnings through to the present day, television and its influence has been the subject of extensive study, critique, and analysis. *A Companion to Television* brings together contributions from prominent international scholars comprising a wide range of perspectives on the medium. Original essays define television in its current state, explore why it is still relevant, survey the ways in which television has been studied, discuss how television has changed, and consider what television might look like in the future.



Now in its second edition, this compendium includes fresh chapters that cover technological changes affecting television, contemporary approaches to understanding television audiences, new programming trends and developments, and more. Addressing nine key areas of television studies, such as industry, genres, programs, and audiences, the *Companion* offers readers a balanced, well-rounded, integrative approach to scholarship in the field. This volume:

- Provides overviews of extensive original research from leading scholars and theorists
- Examines television's development and significance in various regions of the world
- Includes national and regional outlines of television around the world
- Features theoretical overviews of various critical approaches to television studies
- Explores historical, economic, institutional, political, and cultural issues studied by media scholars

Presenting diverse perspectives on topics ranging from television advertising to satirical representations of the industry, *A Companion to Television, Second Edition* is an invaluable resource for those in undergraduate courses in television studies, as well as in general media studies and communications.

SERIES: BLACKWELL COMPANIONS IN CULTURAL STUDIES

FEBRUARY 2020 UnknownPP

978-1-119-26943-4 CL \$195.00 (Japan)

Television, Movies & Theatre

FEBRUARY 2020

978-1-119-26946-5 [Wiley Online Library](#)

ライフサイエンス

Ecology

From Individuals to Ecosystems

5th Edition

MICHAEL BEGON & COLIN R. TOWNSEND
University of Liverpool; University of Otago

The revised and updated fifth edition of *Ecology: From Individuals to Ecosystems* -- now in full colour -- offers students and practitioners a review of the ecological sciences.

The previous editions of this book earned the authors the prestigious 'Exceptional Life-time Achievement Award' of the British Ecological Society -- the aim for the fifth edition is not only to maintain standards but indeed to enhance its coverage of Ecology.

In the first edition, 34 years ago, it seemed acceptable for ecologists to hold a comfortable, objective, not to say aloof position, from which the ecological communities around us were simply material for which we sought a scientific understanding. Now, we must accept the immediacy of the many environmental problems that threaten us and the responsibility of ecologists to play their full part in addressing these problems. This fifth edition addresses this challenge, with several chapters devoted entirely to applied topics, and examples of how ecological principles have been applied to problems facing us highlighted throughout the remaining nineteen chapters.

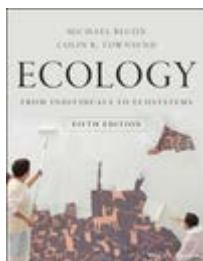
Nonetheless, the authors remain wedded to the belief that environmental action can only ever be as sound as the ecological principles on which it is based. Hence, while trying harder than ever to help improve preparedness for addressing the environmental problems of the years ahead, the book remains, in its essence, an exposition of the science of ecology. This new edition incorporates the results from more than a thousand recent studies into a fully up-to-date text.

Written for students of ecology, researchers and practitioners, the fifth edition of *Ecology: From Individuals to Ecosystems* is an essential reference to all aspects of ecology and addresses environmental problems of the future.

FEBRUARY 2020 828PP

978-1-119-27935-8 PB \$70.00 (Japan)

Ecology & Organismal Biology



Practical Field Ecology

A Project Guide

2nd Edition

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

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

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

- Offers a readable and approachable integrated guide devoted to field-based research projects
- Takes students from the planning stage, into the field, and clearly guides them through organism identification in the laboratory and computer-based data analysis, interpretation and data presentation
- Includes a chapter on how to write project reports and present findings in a variety of formats to differing audiences

FEBRUARY 2020 400PP

978-1-119-41322-6 PB \$60.00 (Japan)

Applied Ecology

Translational Nanomedicine

ROBERT A. MEYERS

TRW Inc., Redondo Beach, California

The largest high-level encyclopedia on molecular medicine is now publishing a topical volume on Nanomedicine. The long-awaited volume gives a comprehensive overview on nanomaterials in drug delivery, imaging and as therapeutics. Bob Meyers has assembled an impressive list of authors to deliver an outstanding review of the diverse applications of nanomaterials in medicine. While some approaches have already made their way into the clinics, others are being developed with exiting potential for promising new applications. In particular the areas or drug delivery and nanoscale imaging are bound to revolutionize medicine in the years to come.

SERIES: CURRENT TOPICS FROM THE ENCYCLOPEDIA OF MOLECULAR CELL BIOLOGY AND MOLECULAR MEDICINE

FEBRUARY 2020 1100PP

978-3-527-33789-7 CL \$488.75 (Japan) SD

Cell & Molecular Biology

Atlas of Mammalian Chromosomes

2nd Edition

STEPHEN J. O'BRIEN, ALEXANDER GRAPHODATSKY & POLINA PERELMAN

National Cancer Institute, Frederick, Maryland

A stunning visual collection of the banded metaphase chromosome karyotypes from some 850 species of mammals, the Atlas of Mammalian Chromosomes represents an unabridged compendium of the state of this genomic art form. Bringing together information currently scattered throughout the cytogenetics literature for scores of published and unpublished species, the atlas features high-quality karyotype images for nearly every mammal studied to date, making it the most comprehensive assemblage of high-resolution chromosome photographs available--a critically invaluable resource for today's comparative genomics era.

For every available species, the atlas presents the best karyotype produced, the common and Latin name of the species, the published citation, and the contributing authors. Nearly all karyotypes are G-banded, revealing the chromosomal bar codes of homologous segments among related species.

Addressing the mandate of the Human Genome Project to annotate the genomes of other organisms as well, this edition offers a step forward in our understanding of species formation, of genome organization, and of DNA script for natural selection. It is an invaluable resource for geneticists, mammalogists, and biologists interested in comparative genomics, systematics, and chromosome structure.

The book will include karyotypes of ~1000 of the 5000 species of mammals. These images provide the starting point for a new dynamic field called "Comparative Genomics" which is driven by the whole genome sequence discernment of biological species.

When the atlas was first published, only three mammals were sequenced (human, mouse and rat). Today nearly 300 non-human mammal species enjoy genome sequence empowerment. This practice has become mainstream rigor, with genome sequencing being planned for nearly all mammal species in the coming decade. Updating the atlas will ignite the starting point for so many of these exciting new research endeavors.

FEBRUARY 2020 UnknownPP

978-1-119-41803-0 CL \$550.00 (Japan)

Genetics

FEBRUARY 2020

978-1-119-41806-1 **Wiley Online Library**

Bioinformatics

A Practical Guide to the Analysis of Genes and Proteins 4th Edition

ANDREAS D. BAXEVANIS, GARY BADER & DAVID WISHART
National Human Genome Research Institute, National Institutes of Health, Bethesda, Maryland

This fully revised Forth Edition to a best-selling resource provides the reader with a hands-on guide to computational biology, primarily in the area of sequence analysis. The subject matter will cover a broad spectrum of concepts in bioinformatics, beginning with an overview of biological databases and ending with a series of chapters on predictive and comparative algorithms. Using relevant biological examples, the book will provide background on and strategies for using many of the most powerful and commonly-used algorithms for sequence-based discovery. Given the explosion in the number of organisms whose genomes have been sequenced over the last several years, the emergence of new types of data sets (particularly those derived using next-generation sequencing technologies), and increasing emphasis on being able to make effective use of "big data", the book is both timely and important to investigators in molecular biology and related fields.

With a full-color, enlarged page design, this edition offers the most readable, up-to-date, and thorough introduction to the field for biologists. The new "Foundations" section insures that readers have a firm understanding of the technologies that generate the data, as well as the essential statistical and programming tools. Features include special boxes, enhanced use of real examples, and problem sets with answers provided on the book's dedicated website (www.wiley.com/bioinformatics). A glossary and appendix of sample file formats rounds out the book's reader-friendly, 'hands-on' treatment.

FEBRUARY 2020 648PP

978-1-119-33558-0 CL \$129.95 (Japan)

Bioinformatics & Computational Biology

文学

A Companion to Literary Theory

Editor DAVID H. RICHTER
Queens College; Graduate Center, City University of New York,
USA

A Companion to Literary Theory is a collection of 36 original essays, all by noted scholars in their field, designed to introduce the modes and ideas of contemporary literary and cultural theory. Arranged by topic rather than chronology, in order to highlight the relationships between earlier and most recent theoretical developments, the book groups its chapters into seven convenient sections: I. Literary Form: Narrative and Poetry; II. The Task of Reading; III. Literary Locations and Cultural Studies; IV. The Politics of Literature; V. Identities; VI. Bodies and Their Minds; and VII. Scientific Inflections. Allotting proper space to all areas of theory most relevant today, this comprehensive volume features three dozen masterfully written chapters covering such subjects as: Anglo-American New Criticism; Chicago Formalism; Russian Formalism; Derrida and Deconstruction; Empathy/Affect Studies; Foucault and Poststructuralism; Marx and Marxist Literary Theory; Postcolonial Studies; Ethnic Studies; Gender Theory; Freudian Psychoanalytic Criticism; Cognitive Literary Theory; Evolutionary Literary Theory; Cybernetics and Posthumanism; and much more.

- Features 36 essays by noted scholars in the field
- Fills a growing need for companion books that can guide readers through the thicket of ideas, systems, and terminologies
- Presents important contemporary literary theory while examining those of the past

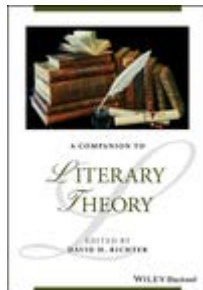
The Wiley-Blackwell Companion to Literary Theory will be welcomed by college and university students seeking an accessible and authoritative guide to the complex and often intimidating modes of literary and cultural study of the previous half century.

SERIES: BLACKWELL COMPANIONS TO LITERATURE
AND CULTURE

FEBRUARY 2020 608PP

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General Literature



Paul de Man

NIGEL MAPP

SERIES: KEY CONTEMPORARY
THINKERS

FEBRUARY 2020 224PP

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(Japan)

Literary & Cultural Theory

FEBRUARY 2020 224PP

978-0-7456-3185-1 PB \$24.95

(Japan)

Literary & Cultural Theory



A Companion to the American Short Story

ALFRED BENDIXEN, JEANNE CAMPBELL REESMAN,
ANDREW FURMAN, ROBERT LUSCHER, HUGH
RUPPERSBURG, JEFF BIRKENSTEIN, MARGARET
CRUMPTON WINTER, RUTH WESTON, RUTH M. ALVAREZ,
PAUL SORRENTINO & JAMES NAGEL
*University of Texas; Princeton University; University of Georgia,
USA*

SERIES: BLACKWELL COMPANIONS TO LITERATURE
AND CULTURE

FEBRUARY 2020 536PP

978-1-119-68564-7 PB \$51.95 (Japan)

American Literature

A Companion to American Literature and Culture

Editor **PAUL LAUTER**
Trinity College, USA

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

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

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

FEBRUARY 2020 712PP

978-1-119-68565-4 PB \$51.95 (Japan)

American Literature

Critical Essays on Elmore Leonard If it sounds like writing

Editor **CHARLES J. RZEPKA**
Boston University

Labelled as "the closest thing America has to a national novelist," Elmore Leonard's clean and direct writing, engaging bad guys, and deadpan humor resonate with readers around the nation and throughout the world. Popular films based on his books continue to introduce new audiences to Leonard's unique way of engaging with complex themes of American culture and pop-culture history. Yet surprisingly, academic treatments of his writing are almost nonexistent. *Critical Essays on Elmore Leonard* is an original anthology that covers the topics, themes, literary and narrative style, and enduring influences of one of the finest crime writers in the history of the genre.

This unique collection of essays explores the ways in which Leonard's work reflects America's dynamic, ever-changing culture. Divided into two parts, the book first examines major themes and topics in Leonard's works, followed by detailed case studies of five individual works including *Get Shorty* and *Out of Sight*. Essays discuss topics such as Leonard's skill at conveying sense of place, his use of dress and appearance in his crime fiction, the influence of romantic comedies and westerns on his writing, and the concepts of moral luck, determinism, and existentialism found in his novels. Unique and thoroughly original, this book:

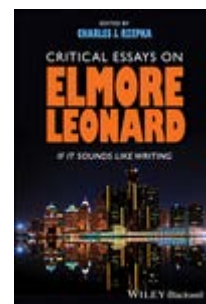
- Covers Leonard's entire career, including his early Western novels and his work in visual media
- Illustrates Leonard's genius at handling free indirect discourse
- Discusses the author's influence, legacy, and contemporary relevance in various contexts
- Explores Leonard's success at making himself "invisible" in his own writing
- Includes an insightful introduction from the book's editor

Critical Essays on Elmore Leonard is an ideal resource for academics and students in the field of genre studies, especially crime fiction, and general readers with interest in the subject.

FEBRUARY 2020 216PP

978-1-119-57669-3 CL \$75.00 (Japan)

20th Century & Contemporary American Literature



Effective Data Storytelling

How to Drive Change with Data, Narrative and Visuals

BRENT DYKES

The ability to effectively communicate with data is no longer a luxury in today's economy; it is a necessity. Transforming data into visual communication is only one part of the picture. It is equally important to engage your audience with a narrative--to tell a story with the numbers. Effective Data Storytelling will teach you the essential skills necessary to communicate your insights through persuasive and memorable data stories.



Narratives are more powerful than raw statistics, more enduring than pretty charts. When done correctly, data stories can influence decisions and drive change. Most other books focus only on data visualization while neglecting the powerful narrative and psychological aspects of telling stories with data. Author Brent Dykes shows you how to take the three central elements of data storytelling--data, narrative, and visuals--and combine them for maximum effectiveness. Taking a comprehensive look at all the elements of data storytelling, this unique book will enable you to:

- Transform your insights and data visualizations into appealing, impactful data stories
- Learn the fundamental elements of a data story and key audience drivers
- Understand the differences between how the brain processes facts and narrative
- Structure your findings as a data narrative, using a four-step storyboarding process
- Incorporate the seven essential principles of better visual storytelling into your work
- Avoid common data storytelling mistakes by learning from historical and modern examples

Effective Data Storytelling: How to Drive Change with Data, Narrative and Visuals is a must-have resource for anyone who communicates regularly with data, including business professionals, analysts, marketers, salespeople, financial managers, and educators.

FEBRUARY 2020 352PP

978-1-119-61571-2 CL \$39.95 (Japan)

Business & Finance

メディカル・サイエンス

Bacteria and Intracellularity

PASCALE COSSART, PHILIPPE SANSONETTI & CRAIG R. ROY
Institut Pasteur, Paris, France; INSERM, Paris, France

SERIES: ASM BOOKS
 FEBRUARY 2020 384PP

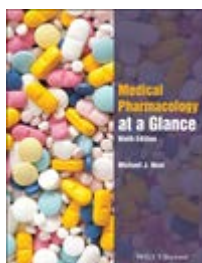
978-1-68367-025-4 CL \$150.00 (Japan)

Microbiology

Medical Pharmacology at a Glance
9th Edition

MICHAEL J. NEAL
*United Medical and Dental Schools of Guy's & St Thomas's
 Hospital*

- New edition of successful revision guide for medical pharmacology
- Ideal for USMLE and pharmacology exam revision
- Includes a companion website featuring online cases, flashcards and a list of core drugs



Medical Pharmacology at a Glance is recognised as an excellent starting point for pharmacology study. This international best-seller is the perfect companion for all medical and health students, providing an accessible, visual overview of pharmacology.

SERIES: AT A GLANCE
 FEBRUARY 2020 128PP

978-1-119-54801-0 PB \$38.95 (Japan)

Basic Pharmacology

Lung Function

7th Edition

Editor JOHN E. COTES, Editor BOB MAYNARD, Editor SARAH PEARCE, Editor BENOIT NEMERY, Editor PETER WAGNER & Editor BRENDAN COOPER
*University of Newcastle Medical School, Newcastle-upon-Tyne;
 Catholic University of Leuven*

The seventh edition of the authoritative and comprehensive book on lung function, now revised and updated, continues to cover lung function assessment from first principles including methodology, reference values and interpretation.

This edition features new material covering recent advances in lung function, techniques and equipment.



FEBRUARY 2020 760PP

978-1-118-59735-4 CL \$220.00 (Japan)

Respiratory Medicine

FEBRUARY 2020

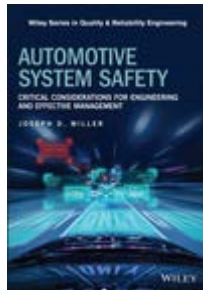
978-1-118-59730-9 **Wiley Online Library**

Automotive System Safety

Critical Considerations for Engineering and Effective Management

JOSEPH D. MILLER

Functional Safety has become important and mandated in the automotive industry by inclusion of ISO 26262 in OEM requirements to suppliers. This unique and practical guide is geared toward helping small and large automotive companies, and the managers and engineers in those companies, improve automotive system safety. Based on the author's experience within the field, it is a useful tool for marketing, sales, and business development professionals to understand and converse knowledgeably with customers and prospects.



Automotive System Safety: Critical Considerations for Engineering and Effective Management teaches readers how to incorporate automotive system safety efficiently into an organization. Chapters cover: Safety Expectations for Consumers, OEMs, and Tier 1 Suppliers; System Safety vs. Functional Safety; Safety Audits and Assessments; Safety Culture; and Lifecycle Safety. Sections on Determining Risk; Risk Reduction; and Safety of the Intended Function are also presented. In addition, the book discusses causes of safety recalls; how to use metrics as differentiators to win business; criteria for a successful safety organization; and more.

- Discusses Safety of the Intended Function (SOTIF), with a chapter about an emerging standard (SOTIF, ISO PAS 21448), which is for handling the development of autonomous vehicles
- Helps safety managers, engineers, directors, and marketing professionals improve their knowledge of the process of FS standards
- Aimed at helping automotive companies--big and small--and their employees improve system safety
- Covers auditing and the use of metrics

Automotive System Safety: Critical Considerations for Engineering and Effective Management is an excellent book for anyone who oversees the safety and development of automobiles. It will also benefit those who sell and market vehicles to prospective customers.

SERIES: QUALITY AND RELIABILITY ENGINEERING
SERIES

FEBRUARY 2020 250PP

978-1-119-57962-5 CL \$120.00 (Japan)

Automotive Engineering

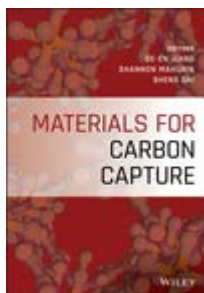
JANUARY 2020

978-1-119-57966-3 [Wiley Online Library](#)

Materials for Carbon Capture

DE-EN JIANG, SHANNON M. MAHURIN & SHENG DAI

As a frontier research area, carbon capture has been a major driving force behind many materials technologies. This book highlights the current state-of-the-art in materials for carbon capture, providing a comprehensive understanding of separations ranging from solid sorbents to liquid sorbents and membranes. Filled with diverse and unconventional topics throughout, it seeks to inspire students, as well as experts, to go beyond the novel materials highlighted and develop new materials with enhanced separations properties.



Edited by leading authorities in the field, *Materials for Carbon Capture* offers in-depth chapters covering: CO₂ Capture and Separation of Metal-Organic Frameworks; Porous Carbon Materials: Designed Synthesis and CO₂ Capture; Porous Aromatic Frameworks for Carbon Dioxide Capture; and Virtual Screening of Materials for Carbon Capture. Other chapters look at Ultrathin Membranes for Gas Separation; Polymeric Membranes; Carbon Membranes for CO₂ Separation; and Composite Materials for Carbon Captures. The book finishes with sections on Poly(amidoamine) Dendrimers for Carbon Capture and Ionic Liquids for Chemisorption of CO₂ and Ionic Liquid-Based Membranes.

- A comprehensive overview and survey of the present status of materials and technologies for carbon capture
- Covers materials synthesis, gas separations, membrane fabrication, and CO₂ removal to highlight recent progress in the materials and chemistry aspects of carbon capture
- Allows the reader to better understand the challenges and opportunities in carbon capture
- Edited by leading experts working on materials and membranes for carbon separation and capture

Materials for Carbon Capture is an excellent book for advanced students of chemistry, materials science, chemical and energy engineering, and early career scientists who are interested in carbon capture. It will also be of great benefit to researchers in academia, national labs, research institutes, and industry working in the field of gas separations and carbon capture.

FEBRUARY 2020 520PP

978-1-119-09117-2 CL \$165.00 (Japan)

Porous Materials

JANUARY 2020

978-1-119-09121-9 [Wiley Online Library](#)

物理学

Halliday and Resnick's Principles of Physics

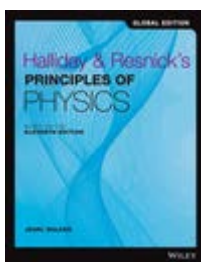
11th Edition, Global Edition

DAVID HALLIDAY, ROBERT RESNICK & JEARL WALKER,
United States
University of Pittsburgh; Rensselaer Polytechnic Institute;
Cleveland State University

Principles of Physics, now in its 11th edition, is renowned for teaching students, not just the basic concepts of physics, but also the superior problem-solving skills needed to apply what they have learned. With thematic modules and clear learning objectives, students will never be left asking, "Why am I learning this?" End-of-chapter questions range from the mathematically challenging to the conceptually complex, to truly instill in students a working knowledge of calculus-based physics.

This new edition features problems that represent a "best of" selection reaching all the way back to the book's first publication. The strongest and most interesting questions from all the Principles of Physics editions will challenge and stimulate students as they learn how the world works. Altogether, this user-friendly text is peerless in its ability to help students build scientific literacy and physics skill.

FEBRUARY 2020 1448PP

978-1-119-45401-4 PB \$212.95 (Japan)*General Physics*

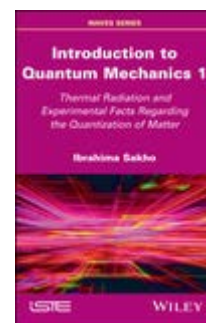
TEXT

Introduction to Quantum Mechanics 1

Thermal Radiation and Experimental Facts of the Quantization of Matter

IBRAHIMA SAKHO

The conception of lasers and optoelectronic devices such as solar cells have been made possible, thanks to the modern day mastery of processes that harness the interaction of electromagnetic radiation with matter. This first volume is dedicated to thermal radiation and experimental facts that reveal the quantification of matter. The study of black body radiation allows the introduction of fundamental precepts such as Planck's law and the energy-related qualities that characterize radiation. The properties of light and wave particle duality are also examined, based on the interpretation of light interferences, the photoelectric effect and the Compton effect. This book goes on to investigate the hydrogen atomic emission spectrum and how it dovetails into our understanding of quantum numbers to describe the energy, angular momentum, magnetic moment and spin of an electron. A look at the spectroscopic notation of the states explains the different wavelengths measured from the splitting of spectral lines. Finally, this first volume is completed by the study of de Broglie's wave theory and Heisenberg's uncertainty principle, which facilitated the advancement of quantum mechanics.



DECEMBER 2019 344PP

978-1-78630-487-2 CL \$155.00 (Japan)*Thermal Physics & Statistical Mechanics*

OCTOBER 2019

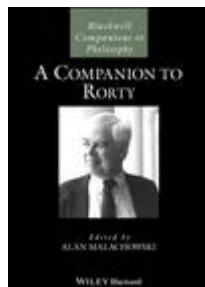
978-1-119-67145-9 [Wiley Online Library](#)

A Companion to Rorty

Editor ALAN R. MALACHOWSKI
University of East Anglia

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

- Offers a comprehensive, balanced, and insightful account of Rorty's approach to philosophy
- Provides an assessment of Rorty's more controversial thoughts and his standing as an "anti-philosopher's philosopher"
- Contains new and original exploration of Rorty's thinking from leading scholars and philosophers
- Includes new perspectives on topics such as Rorty's influence in Asia, Central Europe, and Latin America



SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY
FEBRUARY 2020 600PP

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General Philosophy

FEBRUARY 2020

978-1-118-97219-9 [Wiley Online Library](#)

Black Mirror and Philosophy Dark Reflections

Series Editor WILLIAM IRWIN, Wilkes-Barre, United States &
Editor DAVID KYLE JOHNSON
Wilkes-Barre, Pennsylvania; King's College, USA

Black Mirror--the Netflix series that has shown us a dark, cracked reflection of our own society and the possible dangers of living in a technology-driven world--provides rich terrain for philosophical exploration. In confronting the darkest, most frightful speculative technologies, Black Mirror seems to offer warning about the future, yet always reminds us that these possible futures are not so distant at all. These are horror that lie over the horizon . . . but only just barely.

But Black Mirror is not just prophetic. It's deeply philosophical in its analysis of the human condition and its critique of society. In Black Mirror and Philosophy, a group of philosophers working across philosophical subfields invite you to peer into the void to see what happens when technology forces you to ask the questions you don't want to ask and to confront your inner monsters and deepest fears . . .

- How should we deal with death? Would you bring back your deceased love one?
- How much does "the system" control us, and is it possible to resist?
- Should we avail ourselves of advancing technologies like The Grain and real-world blocking?
- Is online shaming a force for good or evil?
- How dangerous will robots be?
- Could Heaven really be a place on Earth one day?
- What role should disrespect play in politics?
- How far should criminal punishment go?
- Should we trust technology to choose our mates?
- Is vigilante justice of vengeance justified?
- Would a digital "cookie" be a person?

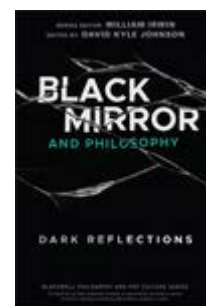
SERIES: THE BLACKWELL PHILOSOPHY AND POP
CULTURE SERIES
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978-1-119-57826-0 PB \$21.95 (Japan)

Introductions to Philosophy

NOVEMBER 2019

978-1-119-57829-1 [Wiley Online Library](#)

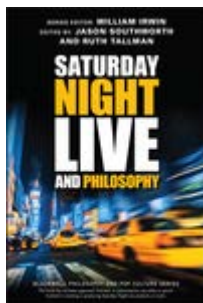


Saturday Night Live and Philosophy

Deep Thoughts Through the Decades

Series Editor WILLIAM IRWIN, Wilkes-Barre, United States,
Volume Editor RUTH TALLMAN & Volume Editor JASON
SOUTHWORTH
Wilkes-Barre, Pennsylvania

- The first book dedicated to the philosophical questions which underpin NBC's award-winning Saturday Night Live, one of the funniest and longest running late-night variety shows on television
- Examines the philosophical issues and topics behind the monologues, sketches, commercials, characters, weekend updates, and musical guests which make Saturday Night Live unique, from fake news as media theory, to parody, prejudice, and the philosophy of play
- Showcases philosophers at their best, discussing politics, truth, knowledge, culture, and reality through a lens of sarcasm, satire, and parody
- Faces tough and surprisingly funny questions about politics, religion, culture, power, and current events head on
- Analyses the "SNL effect" in famous sketches, characters, and plotlines on the popular comedy show in an entertaining and thoughtful manner



SERIES: THE BLACKWELL PHILOSOPHY AND POP CULTURE SERIES
FEBRUARY 2020 256PP

978-1-119-53855-4 PB \$19.95 (Japan)

Introductions to Philosophy

JANUARY 2020

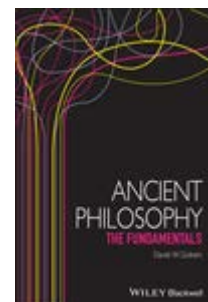
978-1-119-53871-4 [Wiley Online Library](#)

Ancient Philosophy

The Fundamentals

DANIEL GRAHAM

- An accessible, yet rigorous, introduction to the philosophy of the ancients
- Illustrates the philosophical development of core problems and topics while exploring their continued relevance to contemporary debates
- Contains lively and thoughtful discussion of key thinkers of the time, including Plato, Socrates, and Aristotle
- An excellent resource for any reader coming to this topic for the first time



SERIES: FUNDAMENTALS OF PHILOSOPHY
FEBRUARY 2020 216PP

978-1-119-11015-6 PB \$34.95 (Japan)

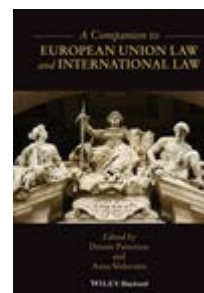
Ancient Philosophy

A Companion to European Union Law and International Law

Editor DENNIS PATTERSON & ANNA SÖDERSTEN
Rutgers University, USA

Featuring contributions from renowned scholars, A Companion to European Union Law and International Law presents a comprehensive and authoritative collection of essays that addresses all of the most important topics on European Union and international law.

- Integrates the fields of European Union law and international law, revealing both the similarities and differences
- Features contributions from renowned scholars in the fields of EU law and international law
- Covers a broad range of topical issues, including trade, institutional decision-making, the European Court of Justice, democracy, human rights, criminal law, the EMU, and many others



FEBRUARY 2020 640PP

978-1-119-10084-3 PB \$54.95 (Japan)

Philosophy of Law

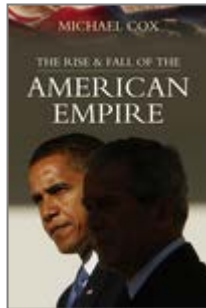
政治学

Rise and Fall of the American Empire

MICHAEL COX

In this timely and compelling new volume, Michael Cox aims to analyse the whole of the Bush era in a broader historical context. In a cogent and carefully argued analysis, he uncovers some of the fundamental assumptions that tempted the Bush administration to go to war with Iraq, and explores the international consequences of that decision. He goes on to assess the current status of what he terms 'the American Empire' and looks ahead to life after George Bush.

The book features a wide range of case studies, from an investigation of the events of 9/11 and their implication for international relations, to a comparison of America's global standing after the Cold War and following the invasion of Iraq. Written by the leading UK writer on American international relations, *The Rise and Fall of the American Empire* will be a highly influential contribution to American debates on the importance and the impact of the Bush era.



FEBRUARY 2020 224PP

978-0-7456-4446-2 CL \$64.95 (Japan)

International Relations

FEBRUARY 2020 224PP

978-0-7456-4447-9 PB \$24.95 (Japan)

International Relations

What Do We Owe to Refugees?

DAVID OWEN

Who are refugees? Who, if anyone, is responsible for protecting them? What forms should this protection take? In a world of people fleeing from corrupt governments, civil wars, state failure, famine and environmental disasters, these are politically urgent and ethically pressing questions.

In this book, David Owen reveals how the contemporary politics of refugee protection is structured by two rival pictures of refugees, and traces their roots in the history of refugee protection. By reconstructing this history, he proposes a way of understanding the value and purpose of the institution of refugeehood that moves us beyond our current impasse. Distinguishing between what is owed to refugees in general and what is owed to different types of refugee, Owen provides a clear account of the responsibilities of refugee protection and the forms of international co-operation required to discharge them.

At a time when refugee protection is once again prominent on the international agenda, this book offers a guide to understanding the challenges it raises and why addressing it matters for all of us, citizen and refugee alike.

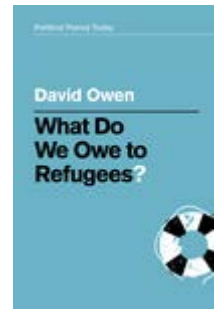
READERSHIP: Students and scholars of the ethics of refugee policy, those doing courses on the ethics and politics of migration, and similar.

SERIES: POLITICAL THEORY TODAY

FEBRUARY 2020 140PP

978-1-5095-3974-1 PB \$12.95 (Japan)

Political Philosophy & Theory

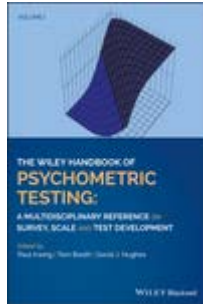


The Wiley Handbook of Psychometric Testing

A Multidisciplinary Reference on Survey, Scale and Test Development

Editor PAUL IRWING, Editor TOM BOOTH & Editor DAVID J. HUGHES

Over the past hundred years, psychometric testing has proved to be a valuable tool for measuring personality, mental ability, attitudes, and much more. The word 'psychometrics' can be translated as 'mental measurement'; however, the implication that psychometrics as a field is confined to psychology is highly misleading. Scientists and practitioners from virtually every conceivable discipline now use and analyze data collected from questionnaires, scales, and tests developed from psychometric principles, and the field is vibrant with new and useful methods and approaches.



This handbook brings together contributions from leading psychometricians in a diverse array of fields around the globe. Each provides accessible and practical information about their specialist area in a three-step format covering historical and standard approaches, innovative issues and techniques, and practical guidance on how to apply the methods discussed. Throughout, real-world examples help to illustrate and clarify key aspects of the topics covered. The aim is to fill a gap for information about psychometric testing that is neither too basic nor too technical and specialized, and will enable researchers, practitioners, and graduate students to expand their knowledge and skills in the area.

- Provides comprehensive coverage of the field of psychometric testing, from designing a test through writing items to constructing and evaluating scales
- Takes a practical approach, addressing real issues faced by practitioners and researchers
- Provides basic and accessible mathematical and statistical foundations of all psychometric techniques discussed
- Provides example software code to help readers implement the analyses discussed

FEBRUARY 2020 550PP

978-1-119-12117-6 PB \$46.75 (Japan)

Evaluation & Research Methods

FEBRUARY 2020

978-1-119-09576-7 [Wiley Online Library](#)

The Encyclopedia of Child and Adolescent Development

STEPHEN HUPP & JEREMY D. JEWELL

Southern Illinois University Edwardsville; Southern Illinois University Edwardsville

The Encyclopedia of Child and Adolescent Development presents the major theories, key concepts, disorders, and evidence-based practices of the field. Covering infancy through adolescence and emerging adulthood, this important work outlines major areas of research and examines specific topics, ongoing controversies, and current work being done by leaders in the field. The first work on the topic of its scale, the Encyclopedia offers scholarly, authoritative information from an international team of experts that spans ten volumes.

The content of the encyclopedia is organized in two main parts--Child and Adolescent--and ten subparts. The first six volumes focus on topics of growth, behavior, cognition, emotion, family, and community in child development. The final four volumes explore the history, theory, and culture of adolescent development, biology and cognition, social contexts, and of the development of the self in adolescence and emerging adulthood. Each entry contains an accessible introduction to basic concepts as well as sophisticated debates in contentious areas and ongoing research on each topic. Designed to be the first and principal resource for students, researchers and practitioners in the field, this unique work:

- Presents the largest, most up-to-date reference work focused on child and adolescent development presently available
- Provides comprehensive coverage of major topics rather than a very large number of briefer entries and more trivial topics
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Microaggressions in Everyday Life 2nd Edition

DERALD WING SUE, New York & LISA SPANIERMAN
 California State University--Hayward

The revised and updated second edition of *Microaggressions in Everyday Life* presents an introduction to the concept of microaggressions, classifies the various types of microaggressions, and offers solutions for ending microaggressions at the individual, group, and community levels. The authors--noted experts on the topic--explore the psychological effect of microaggressions on both perpetrator and the target person.

Subtle racism, sexism, and heterosexism remain relatively invisible and potentially harmful to the wellbeing, self-esteem, and standard of living of many marginalized groups in society. The book examines the manifestations of racial, gender, and sexual orientation microaggressions and explores their impact. The text covers: researching microaggressions, exploring microaggressions in education, identifying best practices teaching about microaggressions, understanding microaggressions in the counseling setting, as well as guidelines for combating microaggressions. Each chapter contains with a section called "The Way Forward" that provides guidelines, strategies, and interventions designed to help make our society free of microaggressions. This important book:

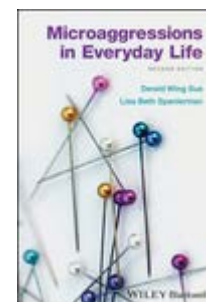
- Offers an updated edition of the seminal work on microaggressions
- Includes new information on social media as a key site where microaggressions occur
- Presents updated qualitative findings
- Contains new coverage throughout the text with fresh examples and new research findings from a wide range of studies

Written for students, faculty, and practitioners of psychology, education, social work, and related disciplines, the revised edition of *Microaggressions in Everyday Life* illustrates the impact microaggressions have on both victims and perpetrators and offers suggestions to eradicate microaggressions.

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Diversity, Culture & Ethnicity



セルフヘルプ

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The hairs on the back of your neck stood, adrenaline rushed through your entire body with the weight of the world gone from your young shoulders. Energised, inspired, alive, all in and ready to turn up to this wonderfully f*cked up thing we call life.

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Life Will See You Now is a rousing, uplifting anthem that will inspire you to put down your phone, rediscover what truly matters and completely rethink what 'making it' in life actually means.

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Oattes makes the argument, backed by both positive psychology and an abundance of childlike wonder, that in an anxious world ruled by pressure, ego and other people's expectations, we are all incredibly lucky to be alive at a time where kindness, gratitude, play and ice-lollies really do matter.



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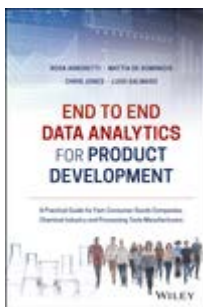
General Science

End to End Data Analytics for Product Development

A Practical Guide for Fast Consumer Goods Companies, Chemical Industry and Processing Tools Manufacturers

LUIGI SALMASO, MATTIA DE DOMINICIS, ROSA ARBORETTI
GIANCRISTOFARO & CHRIS JONES
University of Padova

End to End Data Analytics for Product Development is an accessible guide designed for practitioners in the industrial field. It offers an introduction to data analytics and the design of experiments (DoE) whilst covering the basic statistical concepts useful to an understanding of DoE. The text supports product innovation and development across a range of consumer goods and pharmaceutical organizations in order to improve the quality and speed of implementation through data analytics, statistical design and data prediction.



The book reviews information on feasibility screening, formulation and packaging development, sensory tests, and more. The authors -- noted experts in the field -- explore relevant techniques for data analytics and present the guidelines for data interpretation. In addition, the book contains information on process development and product validation that can be optimized through data understanding, analysis and validation. The authors present an accessible, hands-on approach that uses MINITAB and JMP software. The book:

- Presents a guide to innovation feasibility and formulation and process development
- Contains the statistical tools used to solve challenges faced during product innovation and feasibility
- Offers information on stability studies which are common especially in chemical or pharmaceutical fields
- Includes a companion website which contains videos summarizing main concepts

Written for undergraduate students and practitioners in industry, End to End Data Analytics for Product Development offers resources for the planning, conducting, analyzing and interpreting of controlled tests in order to develop effective products and processes.

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Editor SARA WHITE
Spay ASAP Inc. and ergovet

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High-Quality, High-Volume Spay and Neuter and Other Shelter Surgeries is an excellent resource for veterinarians, veterinary technicians, and students, as well as clinic and shelter owners.

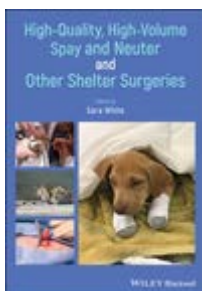
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