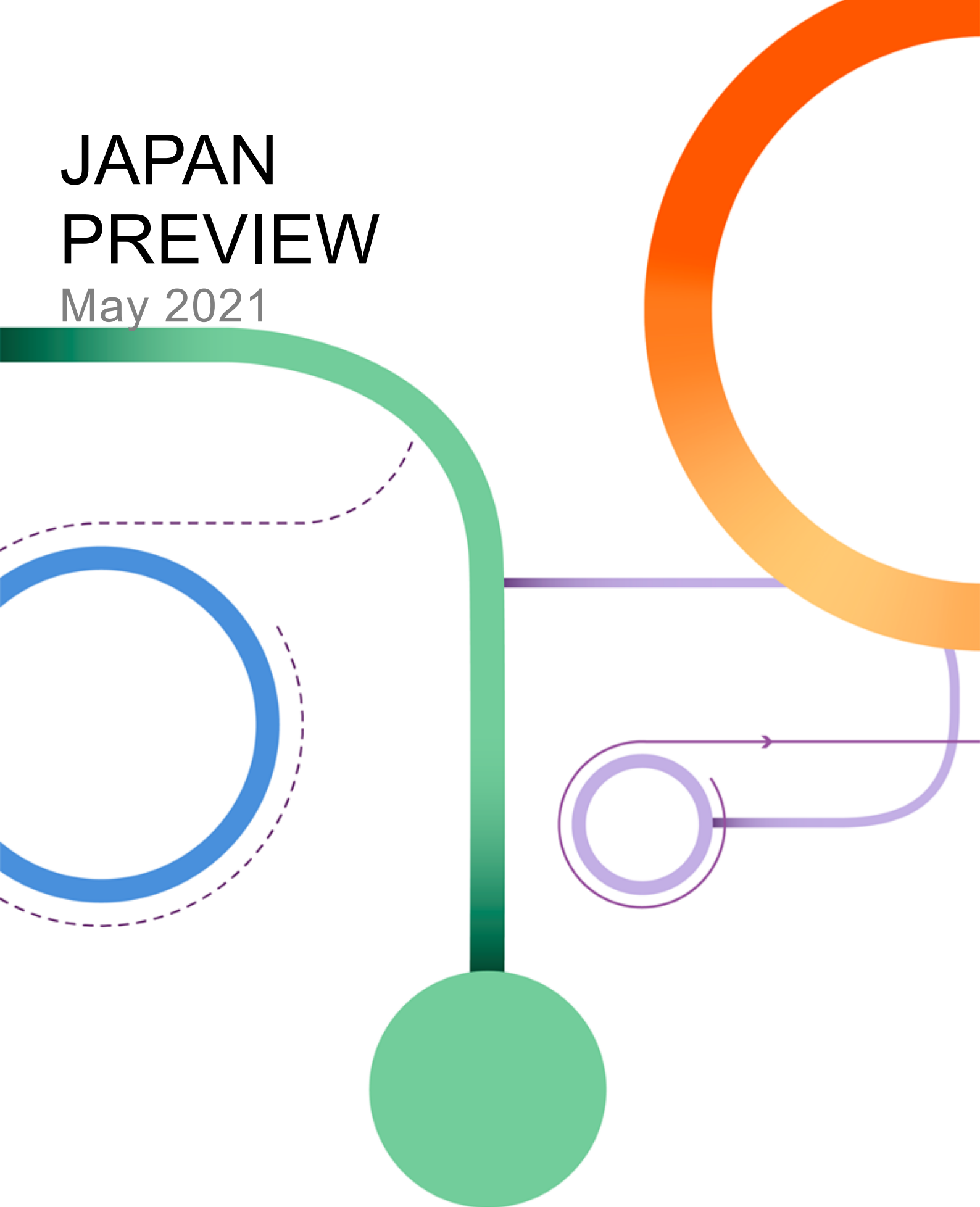


# JAPAN PREVIEW

May 2021



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WILEY

**PICK OF THE MONTH** ~ 今月のお勧めタイトル**Communicating Science in Times of Crisis - COVID-19 Pandemic**

危機的状況下でのサイエンスコミュニケーション - コロナ禍を乗り越えるために

EDITOR H. DAN O'HAIR & EDITOR MARY JOHN O'HAIR

→P20

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English Literature and Culture in the Era of Expansion, 2nd Edition

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2nd Edition

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CLAUDIO ORTOLANI

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7th Edition

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**Fusion Reactor Design**

Plasma Physics, Fuel Cycle System, Operation and Maintenance

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TAKASHI OKAZAKI

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## JAPAN PREVIEW

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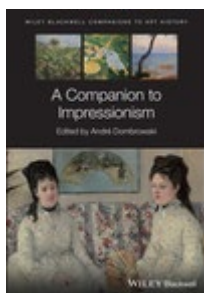
## 芸術

**Wiley Blackwell Companion to Impressionism**

EDITOR ANDRE DOMBROWSKI &amp; SERIES EDITOR DANA ARNOLD

University of Southampton

The *Wiley-Blackwell Companion to Impressionism* is the first large-scale academic reassessment of Impressionism since the zenith of scholarly debate in the 1980s. Including thirty-four new scholarly essays on Impressionism, the volume gathers established and rising scholars, curators, and conservators specializing in late-nineteenth century painting, offering the latest in current research and discovery. Revising established questions of chronology, membership, and definition of the movement, the volume primarily pushes into new thematic territory. Covering a wide range of methodologies in Impressionist studies, the essays address such diverse topics as the global influence of Impressionism around 1900 and the style's relationship to the period's new media. One section engages Impressionism's account of modern identity in terms of race, nationality, gender, and sexuality, and another contrasts Impressionism's depictions of the private sphere with its account of public issues such as empire, finance, and environmental change. Other sections rethink the materials and techniques of the Impressionists and newly dissect the movement's critical reception, market, and exhibition history. Taken together, the essays affirm Impressionism's crucial place, in France and beyond, within the late-nineteenth century's manifold cultural innovations and revolutions.



SERIES: BLACKWELL COMPANIONS TO ART HISTORY

MAY 2021 575PP  
978-1-119-37389-6 CL \$195.00 (Japan)  
Art History & Theory

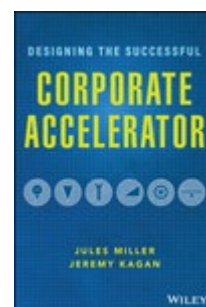
## 会計学

**Designing the Successful Corporate Accelerator**

How Startups and Big Companies can Get with the Program

JEREMY KAGAN &amp; JULES MILLER

*What Works: The Corporate Accelerator* gives a framework for corporate innovation, which can be applied to accelerators and beyond. In this book Miller and Kagan do a deep dive on corporate accelerators, providing a clear landscape, strategy rubric, tactical guidance and a (new) suggested model for building corporate accelerator programs that work. There will be quantitative data not available elsewhere, which can be used in internal business cases for corporate leaders. The book will also include case studies and best practices from leading accelerator managers on what works, and what doesn't work, to inform the creation of a successful program. Ultimately, innovation executives will be able to differentiate and choose the best features to give their corporate accelerator the greatest chance of success and positive impact.



*What Works: The Corporate Accelerator* will explore topics such as:

- Characteristics and Features of Accelerators: The spectrum of home grown to outsourced
- Motivations for launching an accelerator
- Goals & KPIs to measure success
- Building the Accelerator team
- Follow through & go-to-market
- Portfolio management; Exits and Endings

MAY 2021 336PP  
978-1-119-70906-0 CL \$29.95 (Japan)  
Corporate Finance

## 農業

**Fieldwork Ready**

An Introductory Guide to Field Research for  
Agriculture, Environment and Soil Scientists

SARA VERO

**Discover how to plan, conduct, and  
interpret field research with  
this essential new guidebook**

Good field research is the driving force behind advancement in the agronomic, environmental, and soil sciences. Nevertheless, many undergraduate and graduate scientists have limited opportunity to develop hands-on experience before undertaking projects in the field. With *Fieldwork Ready*, Dr Sara Vero maps out the fundamental principles, methods, and management techniques that underpin this crucial practice, offering trainee researchers an accessible introduction to the world of on-site investigation.

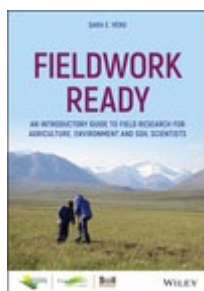
This instructive text includes:

- Guidance on the essential aspects of environmental monitoring and soil, water, plant, and wildlife research
- Insights into the methods behind experiment planning and effective fieldwork
- Tips for team management and safety
- Explanations of how to select and correctly use soil sampling equipment

Offering new researchers a primer that is practical and easy to follow, *Fieldwork Ready* is the ideal starting point for all those beginning a career in the agricultural sciences.

SERIES: ASA, CSSA, AND SSSA BOOKS

MAY 2021 UnknownPP  
978-0-89118-375-4 PB \$55.00 (Japan)  
Agriculture & Ecology

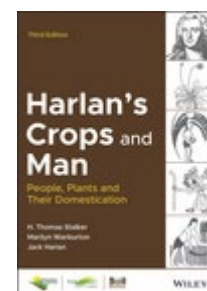
**Harlan's Crops and Man**

People, Plants and Their Domestication

3rd Edition

TOM STALKER, MARILYN WARBURTON & JACK HARLAN

The third edition of *Harlan's Crops and Man* maintains the structure of the previous works and most of Dr. Harlan's user friendly text, but adds recently discovered information, corrects errors in previous volumes where needed, fills in gaps in utilization of wild species and landraces, explores mechanisms of transforming a wild plant into a domesticate, expands the section on germplasm preservation, and adds information about multiple crops in the Near East and Africa, as was done for the Far East and Americas in the second edition. Importantly, this edition reintroduces the subject of crop plant evolution to new students of crop science.



SERIES: ASA, CSSA, AND SSSA BOOKS

MAY 2021 UnknownPP  
978-0-89118-633-5 CL \$50.00 (Japan)  
Agriculture Special Topics

## 人類学

**Mesoamerican Archaeology**

Theory and Practice, 2nd Edition

EDITOR JULIA A. HENDON, EDITOR LISA OVERHOLTZER &amp; EDITOR ROSEMARY JOYCE

Gettysburg College; University of California, Berkeley

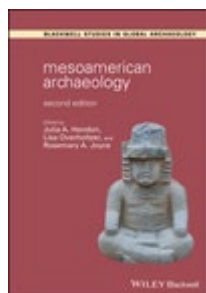
**A unique and wide-ranging introduction to the major prehispanic and colonial societies of Mexico and Central America, featuring new and revised material throughout**

*Mesoamerican Archaeology: Theory and Practice*, Second Edition, provides readers with a diverse and well-balanced view of the archaeology of the indigenous societies of Mexico and Central America, helping students better understand key concepts and engage with contemporary debates and issues within the field. The fully updated second edition incorporates contemporary research that reflects new approaches and trends in Mesoamerican archaeology. New and revised chapters from first-time and returning authors cover the archaeology of Mesoamerican cultural history, from the early Gulf Coast Olmec, to the Classic and Postclassic Maya, to the cultures of Oaxaca and Central Mexico before and after colonization.

*Mesoamerican Archaeology: Theory and Practice*, Second Edition, is ideal for use in undergraduate courses on the archaeology of Mexico and Central America, as well as for broader courses on the archaeology of the Americas.

SERIES: WILEY BLACKWELL STUDIES IN GLOBAL ARCHAEOLOGY

MAY 2021 UnknownPP  
978-1-119-16088-5 PB \$51.95 (Japan)  
ARCHAEOLOGY OF THE AMERICAS

**Towards an Anthropology of Data**

EDITOR RACHEL DOUGLAS-JONES, EDITOR ANTONIA WALFORD  
& EDITOR NICK SEAVER

SERIES: JOURNAL OF THE ROYAL ANTHROPOLOGICAL  
INSTITUTE SPECIAL ISSUE BOOK SERIES

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General & Introductory Anthropology

## 建築学

**Death of a Traveller****A Counter Investigation**

DIDIER FASSIN

Institute for Advanced Study, Princeton University, USA

READERSHIP: Students and scholars in sociology, anthropology and criminology, and general readers interested in current affairs.

MAY 2021 160PP

978-1-5095-4740-1 CL \$64.95 (Japan)

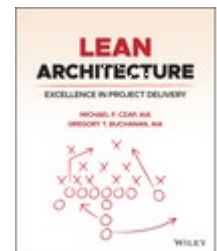
978-1-5095-4741-8 PB \$22.95 (Japan)

Social &amp; Cultural Anthropology / 9781509547418 PB \$64.95 (Japan)

**Lean Architecture****Excellence in Project Delivery**

MICHAEL F. CZAP &amp; GREGORY T. BUCHANAN

**Apply lean principles to your next architectural project and improve your bottom line with the help of this practical volume**



*Lean Architecture: Excellence in Project Delivery* shows readers a path to consistently achieve excellence in

project delivery via the application of lean concepts and process management. Authors Michael Czap and Gregory Buchanan challenge readers to reexamine their approach to architectural practice and projects by presenting a unique and compelling alternative.

*Lean Architecture* details the crucial metrics and implementation strategies that combine to improve the efficiency and profitability of projects taken on by firms of all sizes. Readers of the book will learn to:

- Maximize the use of their resources to deliver superior results in less time
- Minimize waste, cost, and inefficiency in their firm's operations
- Move between radically different project scales while retaining efficient and effective processes

*Lean Architecture* is perfect for firm leaders, project managers, and project architects who seek to improve their ability to deliver better results while reducing their cost base.

MAY 2021 304PP

978-1-119-68693-4 CL \$75.00 (Japan)

General &amp; Introductory Architecture

## Developing BIM Talent

A Guide to the BIM Body of Knowledge with Metrics, KSAs, and Learning Outcomes

WEI WU, GLENDA MAYO, TAMERA MCCUEN, RAYMOND ISSA  
& DANA K. SMITH

Executive Director of the building SMART Alliance, a program of the National Institute of Building Sciences (NIBS)

**A systematic Building Information Modeling (BIM) framework features cutting-edge use cases and competencies for students and professionals pursuing BIM careers.**

*Developing BIM Talent: A Guide to the BIM Body of Knowledge with Metrics, KSAs, and Learning Outcomes* leads readers through the process of implementing a state-of-the-art BIM training and education program. Authored by a team of celebrated and highly qualified scholars and practitioners, this exciting new BIM education and workforce development guide offers a roadmap that navigates readers through the comprehensive BIM metrics and KSAs detailed in the BIM Body of Knowledge sponsored by the Academic Interoperability Coalition (AiC). *Developing BIM Talent* offers:

- A solid foundation and guidelines for educators and practitioners for starting or enhancing a BIM curriculum or training program
- Templates, expert interviews, and case studies that provide in-depth knowledge and lessons learned that can facilitate process changes and strategic action plans
- Strategies for standardizing emerging BIM job tasks, descriptions, and methods for benchmarking performance

This guide to contemporary and comprehensive metrics of BIM competency is an essential resource for corporate trainers and instructors teaching BIM, human resources professionals charged with recruiting BIM talent, as well as leadership interested in credentialing and BIM certification programs.

MAY 2021 UnknownPP  
978-1-119-68728-3 PB \$99.00 (Japan)  
Building Design



## Worldmodelling

Architectural Models in the 21st Century

EDITOR MARK MORRIS, UNITED STATES & EDITOR MIKE ALING

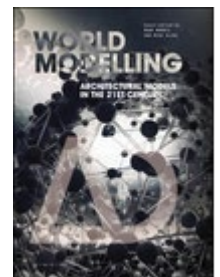
University of North Carolina, USA

In light of current developments in modelling, and with the aim of reinvigorating debates around the potentiality of the architectural model -- its philosophies, technologies and futures -- this issue of AD examines how the model has developed to become an immersive worldbuilding machine.

Worldbuilding is the creation of imaginary worlds through forms of cultural production. Although this discourse began with an analysis of imaginary places constructed in works of literature, it has evolved to encompass worlds from fields such as cinema, games, design, landscape, urbanism and architecture. Worldbuilding differs from the notion of worldmaking, which deals with how speculative thinking can influence the construction of the phenomenal world. As architects postulate ever-increasingly complex world models from which to draw inspiration and inform their practice, questions of scale, representation and collaboration emerge. Discussed through a range of articles from acclaimed international contributors in the fields of both architecture and media studies, this issue explores how the architectural model is situated between concepts of worldbuilding and worldmaking -- in the creative space of worldmodelling.

Contributors: Kathy Battista, Thea Brejzek and Lawrence Wallen, Pascal Bronner and Thomas Hillier, Mark Cousins, James A Craig and Matt Ozga-Lawn, Kate Davies, Ryan Dillon, Christian Hubert, Chad Randl, Theodore Spyropoulos, and Mark JP Wolf.

Featured architects: Phil Ayres, FleaFolly Architects, Minimaforms, and Status.



SERIES: ARCHITECTURAL DESIGN

MAY 2021 144PP  
978-1-119-74722-2 PB \$45.00 (Japan)  
Building Design

## ビジネス

## The Architect's Guide to Developing and Managing an International Practice

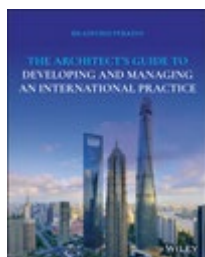
BRADFORD PERKINS

Perkins Eastman and Partners, New York, New York

**Start or grow your architectural firm with this masterful guide to international practice, featuring country-specific information for over 185 countries**

*The Architect's Guide to Developing and Managing an International Practice* is

the definitive resource for architects considering or already engaged in projects outside the United States. Offering expert guidance on every essential aspect of international expansion and management success, this comprehensive volume covers recruiting, licensing, strategic planning, current trends, emerging technologies, and more. Author L. Bradford Perkins clarifies and expands upon the major issues that architects face when they begin to explore how to enter a new international market for their services.



This real-world guide is designed for young architects and architectural students thinking about working overseas, for firm leaders pursuing international projects for the first time, and for established global firms seeking to expand or refine their ongoing international practices. It includes advice drawn from dozens of conversations with leading architects who have worked in dozens of countries around the world.

Written by the co-founder of Perkins Eastman Architects, an international architectural firm with more than 1000 employees and work experience in over 60 countries, *The Architect's Guide to Developing and Managing an International Practice* is an indispensable reference and guide for any architect planning to seek work outside the United States.

MAY 2021 464PP  
978-1-119-63016-6 CL \$90.00 (Japan)  
Professional Practice

## Sustainable Management for Managers and Engineers

EDITOR CAROLINA MACHADO & EDITOR J. PAULO DAVIM

University of Aveiro, PORTUGAL

In a competitive and complex world, where requirements from different fields are ever-growing, organizations need to be responsible for their actions in their respective markets. However, this responsibility must not be deemed one-time-only but instead should be seen as a continuous process, under which organizations ought to effectively use the different resources to allow them to meet the present and future requirements of their stakeholders. Having a significant influence on their collaborators' performance, the role developed by managers and engineers is highly relevant to the sustainability of an organization's success. Conscious of this reality, this book contributes to the exchange of experiences and perspectives on the state of research related to sustainable management. Particular focus is given to the role that needs to be developed by managers and engineers, as well as to the future direction of this field of research.



MAY 2021 304PP  
978-1-78630-439-1 CL \$165.00 (Japan)  
General & Introductory Business & Management



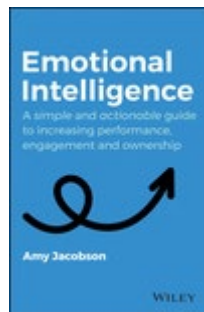
## Emotional Intelligence

A Simple and Actionable Guide to Increasing Performance, Engagement and Ownership

AMY JACOBSON

**Boost Emotional Intelligence in any situation to achieve exceptional results for any organisation**

As organisations around the world are putting more focus on the mindset and wellbeing of staff, the need to develop Emotional Intelligence (EI) has never been greater. Emotional Intelligence in the workplace—including the five key concepts of self-awareness, self-regulation, empathy, social skills and motivation—is defined as your ability to identify and manage your personal emotions and the emotions of your colleagues and co-workers. Emotional Intelligence is in high demand and is expected to become an essential component of success in the future of work. *Emotional Intelligence: A Simple and Actionable Guide to Increasing Performance, Engagement and Ownership* is designed to help you master EI and empower you to achieve the very best outcome for everyone in your organisation.



Cutting through the hype and dispelling the myths about EI, this practical, easy-to-use resource provides clear guidance, powerful tools, and actionable steps for developing and implementing EI in the workplace for immediate results. Amy Jacobson, an experienced EI specialist, leadership trainer and coach, shares the tools, methodologies, concepts and actions that increase EI in any situation.

*Emotional Intelligence: A Simple and Actionable Guide to Increasing Performance, Engagement and Ownership* is an indispensable book for anyone interacting with others in the workplace, especially those with leadership roles such as senior executives, board members, department heads, managers and supervisors.

MAY 2021 UnknownPP  
978-0-7303-9149-4 PB \$19.99 (Japan)  
Business Self-Help

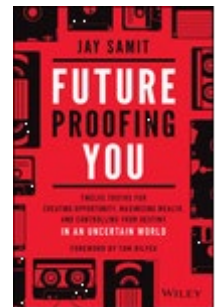
## Future Proofing You

Twelve Truths for Creating Opportunity, Maximizing Wealth, and Controlling your Destiny in an Uncertain World

JAY SAMIT

**With the right mindset and insight, anyone can become a millionaire.**

Are you tired of just paying bills until you die? Are you wasting your life at a job that doesn't make you fulfilled or financially secure? Then *Future Proofing You: Twelve Truths for Creating Opportunity, Maximizing Wealth, and Controlling Your Destiny in an Uncertain World* is for you.



In this life-changing book, celebrated author and entrepreneur Jay Samit, who's worked with such visionaries as Bill Gates, Steve Jobs, Reid Hoffman, and hundreds of successful entrepreneurs, shares the key understandings and step-by-step process for becoming rich and never needing another job again. To prove the power of his 12 Truths, Samit also details the journey of how he mentored a broke millennial with these principles and empowered him to go from being on welfare to becoming a self-made millionaire in one year.

This book is perfect for anyone who is tired of jobs with no security, hopes to truly realize their professional and personal potential, and is looking for a way to build a better life for them and their family. *Future Proofing You* also belongs on the bookshelves of entrepreneurs and intrapreneurs everywhere who hope to inspire their teams to become something greater than what they already are.

MAY 2021 288PP  
978-1-119-77206-4 CL \$28.00 (Japan)  
Business Self-Help



## Stick Together

A Simple Lesson to Build a Stronger Team

JON GORDON, PONTE VEDRA BEACH, UNITED STATES & KATE LEAVELL

### Build a stronger team with this illustrated fable

From bestselling author Jon Gordon and coauthor Kate Leavell, *Stick Together* delivers a crucial message about the power of belief, ownership, connection, love, inclusion, consistency, and hope. The authors guide individuals and teams on an inspiring journey to show them how to persevere through challenges, overcome obstacles, and create success together.



*Stick Together* follows Coach David, a high school basketball coach looking to motivate his team for the new season. The team members are given sticks with words written on them and tasked with a number of missions:

- To find another player with the same word written on their stick
- To explain why that word is important for a team to be their best
- To render their sticks unbreakable

As the players work together to complete their tasks, they discover how to make their team stronger and create an unbreakable bond. Perfect for student athletes and teams in all industries including business, education, healthcare, and nonprofit, and for readers of all ages, *Stick Together* will resonate with anyone looking to improve their team performance and excel in a group environment.

MAY 2021 128PP  
978-1-119-76260-7 CL \$17.00 (Japan)  
Business Self-Help

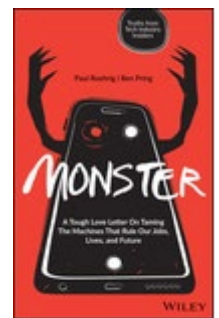
## Monster

A Tough Love Letter to the Machines That Rule our Jobs, Lives, and Future

PAUL ROEHRIG, UNITED STATES & BEN PRING, UNITED STATES

### Learn to tame technology's role in your life and work through 13 easy steps

*Monster: Taming the Machines that Rule our Jobs, Lives, and Future* is an insightful exploration of how we can responsibly engage with technology. We can maintain our freedom and privacy while still realizing the benefits that tech offers; *Monster* shows us how. The book offers readers an original view of big tech that includes discussions of:



- The addictive nature of many modern technology platforms and how to combat bad habits
- The growing backlash against big tech and how people are growing increasingly disenchanted with its impacts
- How to tame technology's role in your life and firm without becoming a modern Luddite

Perfect for managers, leaders, and employees at companies of all sizes and in all industries, *Monster* will also earn a place in the libraries of technology enthusiasts who are growing increasingly wary of technology's role in their life and the lives of the people around them.

MAY 2021 176PP  
978-1-119-78591-0 CL \$25.00 (Japan)  
Business Technology

## A Handbook on Multi-Attribute Decision-Making Methods

OMID BOZORG-HADDAD, BABAK ZOLGHADR-ASLI & HUGO A. LOÁICIGA

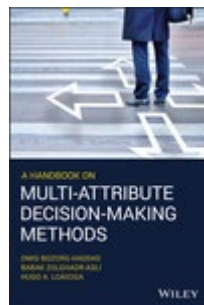
**Clear and effective instruction on MADM methods for students, researchers, and practitioners.**

*A Handbook on Multi-Attribute Decision-Making Methods* describes multi-attribute decision-making (MADM) methods and provides step-by-step guidelines for applying them. The authors describe the most important MADM methods and provide an assessment of their performance in solving problems across disciplines. After offering an overview of decision-making and its fundamental concepts, this book covers 20 leading MADM methods and contains an appendix on weight assignment methods. Chapters are arranged with optimal learning in mind, so you can easily engage with the content found in each chapter. Dedicated readers may go through the entire book to gain a deep understanding of MADM methods and their theoretical foundation, and others may choose to review only specific chapters. Each standalone chapter contains a brief description of prerequisite materials, methods, and mathematical concepts needed to cover its content, so you will not face any difficulty understanding single chapters.

In MADM methods, stakeholders' objectives are expressible through a set of often conflicting criteria, making this family of decision-making approaches relevant to a wide range of situations. *A Handbook on Multi-Attribute Decision-Making Methods* compiles and explains the most important methodologies in a clear and systematic manner, perfect for students and professionals whose work involves operations research and decision making.

SERIES: WILEY SERIES IN OPERATIONS RESEARCH AND MANAGEMENT SCIENCE

MAY 2021 192PP  
978-1-119-56349-5 CL \$125.00 (Japan)  
Management Science / Operations Research



## The Hidden Edge

**Why Mental Fitness is the Only Advantage That Matters in Business**

JODIE ROGERS

In a complex and uncertain world, we all need tools to understand and manage our most important asset - our own minds. Our minds are our brakes and our accelerators, and as we face the new world, we need to consider how we respond to change, how we enhance our adaptability and learn to be agile in an ever-changing world.

Just like we go to the gym to exercise, to strengthen our bodies to get physically fit, we want people to be putting the same effort into their mental fitness to learn how to navigate thinking and emotions better, how to approach challenges with patience and empathy, overcome stress and anxiety and apply practical strategies to help cultivate a more positive growth mindset.

*The Hidden Edge* is the rationale and the business case to why mental fitness is the only advantage that matters in business. The book provides the foundations of mental fitness, and is designed to:

- Empower you and your people to skilfully navigate their thinking and emotions
- To approach challenges and setbacks with agility and patience
- Provide practical tools & techniques to overcome stress and anxiety
- Apply practical strategies to help cultivate a more positive growth mindset to business and life

*The Hidden Edge* is designed with a specific focus on developing people's mental agility, emotional regulation and adaptability to help amplify their personal presence and impact both in life and in work.

MAY 2021 256PP  
978-1-119-80773-5 CL \$24.95 (Japan)  
Management / Leadership

## Manage to Engage

How Great Managers Create Remarkable Results

PAMELA HACKETT

**The CEO of highly respected global consultancy Proudfoot shares her secrets to achieve your leadership license to operate and create businesses fit for people**

*Manage to Engage: How Great Managers Create Remarkable Results* provides leaders with a practical, business-proven approach for building stronger organizational ecosystems that achieve exceptional results and long-term prosperity. Packed with innovative tools and exercises that can be immediately applied in any management setting, in-person or virtually, this invaluable guide shows you how to create a movement of energized and enabled people who are truly engaged in their work.



For decades companies have said that people are their greatest asset.' Pamela argues that if there was ever a more opportune time to bring people to the top of the leadership agenda it is now, a post pandemic world with a new reality. She contends that people are the link between strategy and execution and that we must create a new era supercharged by workplaces and cultures fit for people. *Manage To Engage* clearly outlines how managers at every level can deliver success through engaged teams; it transcends the concept of work for the sake of work and dives into the how of engagement and the role of a manager to not just fulfill our basic human needs but help people achieve personal gratification as well. The book crosses the boundaries of work to become a guide on how to elevate people to achieve remarkable results for your business, and achieve personal growth. It enables leaders at every level.

*Manage to Engage: How Great Managers Create Remarkable Results* should be required reading for anyone wanting to create great relationships at work, be genuinely connected to people, and power-up engagement levels to new highs.

MAY 2021 256PP  
978-1-119-77346-7 CL \$26.00 (Japan)  
Management / Leadership

## Corporate Innovation Strategies

Corporate Social Responsibility and Shared Value Creation

NACER GASMI

Corporate social responsibility (CSR) is simply the maximization of a company's value over time, undertaken because, in the long run, social and environmental problems ultimately become financial problems. The justification for CSR is therefore associated with representing the nature and role of the company, as well as its purpose. Companies therefore regard CSR as a strategic investment that is part of a proactive, resilient, inclusive approach, based on the creation of shared value. This approach is capable of reducing negative societal impacts of their activities, or inducing positive impacts if they sustain a hybrid culture, all the while improving their competitive advantage. This book presents a theoretical development that analyzes the challenges of CSR strategies based on the creation of shared value. Two case studies are presented, analyzing the different forms of social innovation strategies capable of inducing this shared value creation.



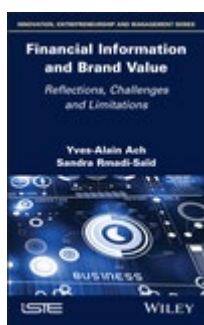
MAY 2021 224PP  
978-1-78630-654-8 CL \$165.00 (Japan)  
Creativity & Innovation Management

## Financial Information and Brand Value

Reflections, Challenges and Limitations

YVES-ALAIN ACH & SANDRA RMADI-SAÏD

The brand is the company's most important asset. In their financial statements, companies are faced with a lack of accounting recognition for the brands they have created, and value recognition for the brands they have acquired. This book studies the nature, characteristics and determinants of brand information published in companies' annual and financial reports. It presents case studies on the methods of evaluating and developing brands, and analyzes annual reports published by listed companies, whose brands appear in international rankings. It reflects on the inadequacy of information and disclosed data to demonstrate the value of brands and the need to ensure that more reliable and relevant financial information is available to investors. *Financial Information and Brand Value* goes beyond the simple application of conceptual frameworks in order for the reader to master the practices related to brand valuation.



MAY 2021 192PP  
978-1-78630-567-1 CL \$165.00 (Japan)  
Creativity & Innovation Management

## Communicating Science in Times of Crisis

COVID-19 Pandemic

EDITOR H. DAN O'HAIR & EDITOR MARY JOHN O'HAIR

University of Kentucky, USA

**Learn more about how people communicate during crises with this insightful collection of resources**

In *Communicating Science in Times of Crisis: COVID-19 Pandemic*, distinguished academics and editors H. Dan O'Hair and Mary John O'Hair have delivered an insightful collection of resources designed to shed light on the implications of attempting to communicate science to the public in times of crisis. Using the recent and ongoing coronavirus outbreak as a case study, the authors explain how to balance scientific findings with social and cultural issues, the ability of media to facilitate science and mitigate the impact of adverse events, and the ethical repercussions of communication during unpredictable, ongoing events.



The first volume in a set of two, *Communicating Science in Times of Crisis: COVID-19 Pandemic* isolates a particular issue or concern in each chapter and exposes the difficult choices and processes facing communicators in times of crisis or upheaval. The book connects scientific issues with public policy and creates a coherent fabric across several communication studies and disciplines. The subjects addressed include:

- A detailed background discussion of historical medical crises and how they were handled by the scientific and political communities of the time
- Cognitive and emotional responses to communications during a crisis
- Social media communication during a crisis, and the use of social media by authority figures during crises
- Communications about health care-related subjects
- Data strategies undertaken by people in authority during the coronavirus crisis

Perfect for communication scholars and researchers who focus on media and communication, *Communicating Science in Times of Crisis: COVID-19 Pandemic* also has a place on the bookshelves of those who specialize in particular aspects of the contexts raised in each of the chapters: social media communication, public policy, and health care.

MAY 2021 300PP  
978-1-119-75177-9 PB \$69.95 (Japan)  
Risk, Contingency & Crisis Management

## Agile 2

### The Next Iteration of Agile

CLIFF BERG, KURT CAGLE, LISA COONEY, PHILIPPA FEWELL,  
ADRIAN LANDER, RAJ NAGAPPAN & MURRAY ROBINSON

Agile is broken.

Most Agile transformations struggle. According to an Allied Market Research study, "63% of respondents stated the failure of agile implementation in their organizations." The problems with Agile start at the top of most organizations with executive leadership not getting what agile is or even knowing the difference between success and failure in agile.



Agile transformation is a journey, and most of that journey consists of people learning and trying new approaches in their own work. An agile organization can make use of coaches and training to improve their chances of success. But even then, failure remains because many Agile ideas are simply flawed, starting with ideas in the Agile Manifesto that are oversimplifications. Coupled with other ideas that have been dogmatically forced on teams, such as "agile team rooms", and an overall inertia and resistance to change in the Agile community, "the Agile movement is ripe for change since its birth twenty years ago.

"Agile 2" represents the work of dozens of field tested Agile experts and distilled into "*Agile 2: The Next Iteration of Agile*" by a subset of the team. Agile 2 values these pairs of attributes: thoughtfulness and prescription; outcomes and outputs, individuals and teams; business and technical understanding; individual empowerment and good leadership; adaptability and planning. With a new set of Agile principles to take Agile forward over the next 20 years, Agile 2 is applicable beyond software and hardware to all parts of an agile organization including "Agile HR", "Agile Finance", and so on.

Like the original "Agile", "Agile 2", is just a set of ideas - powerful ideas. To undertake any endeavor, a single set of ideas is not enough. But a single set of ideas can be a powerful guide.

MAY 2021 432PP  
978-1-119-79927-6 PB \$30.00 (Japan)  
Project Management

## PMP Project Management Professional Exam Study Guide 2021 Exam Update

10th Edition

KIM HELDMAN

MAY 2021 912PP  
978-1-119-80661-5 PB \$70.00 (Japan)  
Project Management



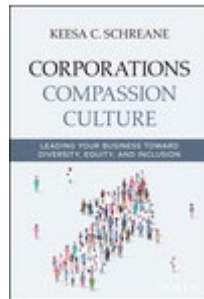
## Corporations Compassion Culture

Leading Your Business toward Diversity, Equity, and Inclusion

KEESA C. SCHREANE

The manner in which corporations are run globally is over. The author examines how corporations worldwide have failed when it comes to inclusion and gender equality and provides ideas on how businesses can address these issues. This book will discuss the following:

- Identify behaviors to avoid, including dangerous activities  
pre-Covid-19 corporate America was already presenting to employees' well-being, engagement, and productivity. Lack of inclusion, gender inequity, and overall lack of compassion were destroying workers' quality of service and robbing employees of purpose. Readers learn how to dismantle practices that jeopardize corporations' very survival.
- Learn and adopt approaches exhibiting the new, better corporate America that enriches employees and provides profits to businesses. The leaders who recognize that employees, customers, and shareholders should be treated compassionately and equally are now displacing old leaders, and are succeeding in retaining the best talent and surviving the new realities. Topics examined include what works well, what the sacrifices are, and how to see tremendous financial payoff.
- Create strategies and tactics for integrating inclusion, gender equity, and compassion into businesses in a way that enriches society, employees, and the corporate entities themselves. Companies that value inclusion, equity, and compassion also see loyalty and innovation from their employees, and skyrocketing profits. Readers learn to design better businesses for employees who demand better environments, and for shareholders who demand corporate stability, risk mitigation (especially in unstable times), and solid profits.
- Measure and continuously evolve culture promoting risk mitigation, reputation preservation, employee retention, customer satisfaction, and profit generation. Each concept discussed ties back into practicing and improving these elements.



MAY 2021 368PP  
978-1-119-78058-8 CL \$29.95 (Japan)  
Human Resource Management

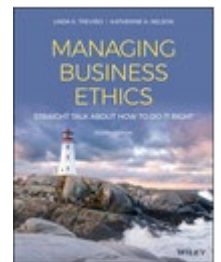
## Managing Business Ethics

Straight Talk about How to Do It Right, 8th Edition

LINDA K. TREVINO & KATHERINE A. NELSON

Smeal College of Business Administration, Pennsylvania State University; The Wharton School, The University of Pennsylvania

The eighth edition of *Managing Business Ethics* shows students how the study of ethics is relevant to real-life business decisions. This highly-regarded text empowers students with the knowledge required to identify, understand, and solve ethical dilemmas while promoting ethical behavior in themselves, in their friends and colleagues, and in their organizations. Authors Linda Trevino and Katherine Nelson offer a pragmatic approach to prepare students for professional roles as managers, compliance officers, human resources managers, senior executives, and others. Focusing on the types of problems that students will most likely encounter in their careers, this new edition includes carefully revised content that incorporates the latest research on ethics and organizational behavior. The authors integrate theory and practice to provide a balanced presentation of both classic and recent business ethics cases, examples, and approaches. Accessible and engaging chapters discuss ethics and the individual, managing ethics in an organization, the relation between organizational ethics and social responsibility, and more. Throughout the text, a diverse range of examples and case studies bring key concepts to life, while practical activities enable students to apply the concepts in their own lives and careers.



MAY 2021 384PP  
978-1-119-71100-1 PB \$125.79 (Japan)  
BUSINESS ETHICS

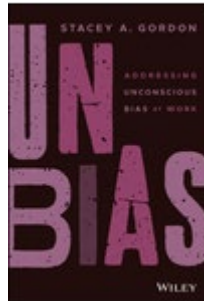
## UNBIAS

### Addressing Unconscious Bias at Work

STACEY A. GORDON

**Let the CEO of Rework Work help you understand diversity, equity, and inclusion concepts to actively remove bias from the workplace**

Dismantling unhealthy workplaces involves much more than talking about it, and more than charts, graphs, and statistics—it requires action. Although it's increasingly common for businesses of all shapes and sizes to appreciate the importance of diversity and inclusion in the workplace, many are often unaware of bias in the cultures they've created. Others might know there's a problem, but don't know how to properly address it.



*UNBIAS: Addressing Unconscious Bias At Work* helps you understand concepts of workplace diversity, equity, and inclusion, shows you how to identify bias, and provides you with the tools for actively removing barriers and ensuring equity throughout your organization. Written by Stacey Gordon—CEO of Rework Work, a company on a mission to reduce bias in global talent acquisition and management—this real-world handbook offers step-by-step guidance on creating workplace cultures where employees feel they belong.

*UNBIAS* teaches you to:

- Identify and address bias in the workplace
- Understand what you can do to be more inclusive
- Handle potentially uncomfortable conversations
- Discuss race in an authentic and meaningful way
- Use workplace-proven tools that make concepts of diversity and equity actionable
- Help your employee resource groups without giving them extra work
- Place accountability on organizational policies that allow biased behavior

*UNBIAS* is a must-have resource for all employers, managers, and HR professionals seeking to create and sustain healthy, inclusive, and equitable workplace environments.

MAY 2021 256PP  
978-1-119-77904-9 CL \$25.00 (Japan)  
Business Ethics

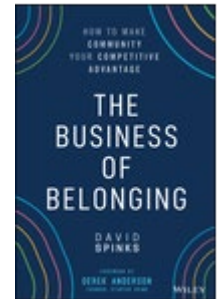
## The Business of Belonging

### How to Make Community your Competitive Advantage

DAVID SPINKS

**Your business problems are community problems. Solve them and scale with help from the leader in the field.**

The world's most successful businesses leaders understand that creating a shared social identity around their products and services is the most efficient path to scaling revenue, differentiating products, promoting customer success and retention, and seizing category ownership. *The Business of Belonging: How to Build Communities that Grow the Bottom Line* is the definitive playbook for doing just that. CMX founder David Spinks offers step-by-step advice for creating community strategy, aligning it with your business objectives, and launching and managing a community of end users that will be your best marketer, salesperson, customer service provider, and evangelist.



*The Business of Belonging* tackles topics like:

- The SPACES and the six key drivers of community success: Support, Product, Acquisition, Contribution, Engagement and Success.
- How to measure the ROI of community initiatives and outcomes
- The anatomy, lifecycle, and member journey of a business community
- Designing, facilitating, and moderating shared spaces for your community members

For leaders driving the bottom line and community professionals alike, *The Business of Belonging* is the definitive resource for making community a priority.

MAY 2021 256PP  
978-1-119-76612-4 CL \$30.00 (Japan)  
Marketing & Sales

**The Law of Tax-Exempt Organizations,  
2021 Cumulative Supplement**

12th Edition

BRUCE R. HOPKINS, KANSAS CITY, UNITED STATES

Member, District of Columbia Bar

MAY 2021 304PP  
978-1-119-75628-6 PB \$245.00 (Japan)  
Non-Profit Organizations / Law

**The Tax Law of Charitable Giving**

6th Edition

BRUCE R. HOPKINS, KANSAS CITY, UNITED STATES

Member, District of Columbia Bar

SERIES: WILEY NONPROFIT AUTHORITY

MAY 2021 800PP  
978-1-119-75600-2 CL \$300.00 (Japan)  
Non-Profit Organizations / Finance & Accounting



## Effective Fundraising

### The Trustees Role and Beyond

F. WARREN MCFARLAN

Social enterprise organizations have played a vibrant and important role in the USA for the past century encompassing nearly 15% of the workforce. These organizations have received deep and enduring support from philanthropy as they pursued their mission. Yet without a sustainable revenue model, even the most exciting mission-driven organization will ultimately collapse. Many CEOs / EDs say that over half their lives (and the harder half at that) are focused on fund raising. The dirty truth is with no fund raising, there is no social enterprise or enduring mission.

This book is focused squarely on that reality: asking for money / donations. Many people dislike doing it, seeing it as akin to begging. Others don't do it very well. McFarlan's view is that everything from governance to specific services is shaped by the need for a sustainable revenue model. You must have the right trustees and other solicitors to make this happen. Your fundraising ask' (and team) must have the right messaging. Your model must be one that allows you to achieve your mission while still keeping the lights on. This book is not devoted to the romance of mission definition and how to shape it. Rather, it is devoted to helping raise the financial resources for these good deeds. It is inelegant and absolutely vital.



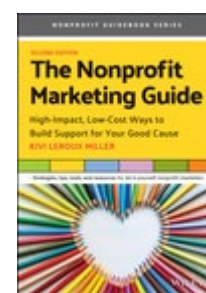
MAY 2021 208PP  
978-1-119-77228-6 CL \$35.00 (Japan)  
Non-Profit Organizations / Fundraising & Grantsmanship

## The Nonprofit Marketing Guide

### High-Impact, Low-Cost Ways to Build Support for Your Good Cause, 2nd Edition

KIVI LEROUX MILLER, LEXINGTON

Part real-world survival guide and part nitty-gritty how-to handbook, The Nonprofit Marketing Guide will show you how to hack through the bewildering jungle of marketing options and miles-long to-do lists to clear a marketing path that's right for you and your organization, no matter how understaffed or underfunded. You'll see how to shape a marketing program that starts from where you are now and grows with your organization, using smart and savvy techniques, both offline and online.



The Nonprofit Marketing Guide boils down the best of today's nonprofit marketing theories into practical, cost-effective, can-do strategies and uncovers the street-tested tactics that you really can pull off on your own. You'll also find concrete tips on how to sit down and produce nearly two dozen specific marketing publications for your nonprofit and additional resources on the companion website.

Over the last seven years, the author has done a significant amount of new research via their annual Nonprofit Communications Trends Reports, where 650+ nonprofits take an extensive survey. This new data on the communications goals, strategies, objectives and tactics most often used in the nonprofit sector will be integrated throughout the revision.

MAY 2021 240PP  
978-1-119-77103-6 PB \$40.00 (Japan)  
Non-Profit Organizations / Marketing & Communications

## Burn

How Grit, Innovation, and a Dash of Luck Ignited a Multi-Million Dollar Success Story

MEI XU

*Burn* is a book that tells a story of ingenuity, determination, and even luck--all set against the backdrop of globetrotting adventurer making her own way to become a business success. Mei Xu's arrived in the US in 1991--a young immigrant fleeing a lack of opportunity in China arrived at Washington's Dulles Airport. She had few prospects and hardly any idea what the future held for her. Twenty-one years later she was invited to the White House as a wildly successful entrepreneur, seated next to Barack Obama, advising the President on creating jobs in the United States like she'd done with her multi-million-dollar company. Her journey is a fascinating tale of passion and perseverance. It inspires with highly relatable stories of up-by-the-bootstraps success, the opportunities of immigration, global business ventures, and women's leadership and empowerment. Mei Xu's is a great American story.



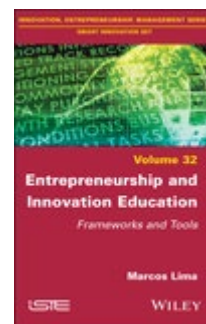
MAY 2021 208PP  
978-1-119-69592-9 CL \$25.00 (Japan)  
Small Business & Entrepreneurship

## Entrepreneurship and Innovation Education

Frameworks and Tools

MARCOS LIMA

This book is a compilation of tools, techniques and frameworks for use in the field of entrepreneurship and innovation & education. Developed and honed over the past two decades, these teaching approaches are combined with well-versed practical insight. As professors know all too well, the human brain cannot articulate more than three or four dimensions of a problem without the aid of what could be referred to as ?checklists for thinking?:frameworks (visual or otherwise) that help students think in terms of multiple variables affecting a problem. *Entrepreneurship and Innovation Education* provides a "toolbox" of more than 50 frameworks for analyzing entrepreneurship and innovation problems, and for enabling effective decision-making .It is a useful guide for professors and students alike who are looking for an overview of available tools, methods and approaches to actively learn how to go from the visionary idea to the market.



MAY 2021 224PP  
978-1-78630-622-7 CL \$165.00 (Japan)  
Small Business & Entrepreneurship

## Resilient

How to Overcome Anything and Build a Million Dollar Business With or Without Capital

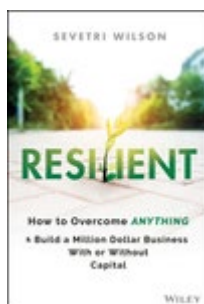
SEVETRI WILSON

**Discover how to overcome anything, bootstrap, and go from initial concept to Series A funding with this firsthand look at entrepreneurship**

Resilient delivers an invaluable collection of private journal entries mapping out a path from bootstrapping a multi-million dollar business to raising millions in Series A funding for another. Entrepreneur and Resilia CEO Sevetri Wilson describes her journey from self-funding to venture capital success. Written for ambitious and aspiring entrepreneurs like herself, Wilson covers a wide variety of topics about the entrepreneurial journey:

- How to go from idea to product
- The correct way to dive into the hiring process
- Preparing to raise money
- Building a tech company as a non-technical founder
- How to select the right accelerators, programs, and pitch competitions
- Creating wealth while building a business

The author also shares her "Simple Agreement for Future Equity" (SAFE) agreement and first pitch deck. Perfect for entrepreneurs, startup enthusiasts, and founders, *Resilient* belongs on the bookshelves of anyone interested in the process of bootstrapping and/or raising capital to grow a business in any sector.



MAY 2021 UnknownPP  
978-1-119-77387-0 CL \$25.00 (Japan)  
Small Business & Entrepreneurship

## The Dogfish Head Book

25 Years of Off-Centered Adventures

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

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

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

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

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

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

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



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

## Extended Reality in Practice

Augmented, Virtual and Mixed Reality Explored

BERNARD MARR

Advanced Performance Institute, Buckinghamshire, UK

### Discover one of the biggest business trends of today

Extended reality (XR for short) -- which encompasses virtual reality, augmented reality and mixed reality -- is one of the biggest business trends of today. It refers to the use of technology to create more immersive digital experiences which are promising to transform many businesses and industries.

In this book, best-selling author, strategic business advisor, and respected futurist Bernard Marr explains the role of XR in providing innovative businesses solutions for companies of varying sizes and across different industries. He introduces the three main branches of extended reality - virtual, augmented and mixed reality. You will discover how businesses and organisations are implementing the technology, with case examples, including some of the world's biggest brands, to showcase how they are starting to use XR in practice.

*Extended Reality in Practice* is a must read for anyone wanting to learn exciting and entirely new ways for people to experience the world around them -- and for businesses, new ways to connect and engage with customers and improve business processes.

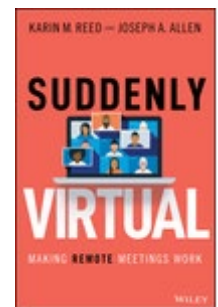
MAY 2021 256PP  
978-1-119-69517-2 CL \$29.95 (Japan)  
BUSINESS & MANAGEMENT SPECIAL TOPICS

## Suddenly Virtual

Making Remote Meetings Work

KARIN M. REED & JOSEPH A. ALLEN

The shift to virtual meetings was sudden and often traumatic for businesses across all industries as they responded to the global pandemic. Rather than focusing on what worked best, they focused on what worked *now* . . . which meant closing up the office and being suddenly virtual in nearly every meeting, often without the tools, the training, or the expertise to optimize the new "kitchen table" office. Thankfully, businesses are beginning to be more purposeful in both the tools they use and the approach they take.



This book seeks to be a definitive guide for businesses looking to make their meetings as effective as possible in the ever-evolving "new normal"--leveraging insights from some of the foremost thought leaders in meeting science and on-camera communication.

This book will:

- Highlight new research insights springing from the rapid and exponential adoption of virtual meeting technology
- Discuss the problems, challenges, and pitfalls of meeting in this new modality
- Provide practical, actionable best practices, backed by meeting research that lead to more productive and effective virtual meetings

MAY 2021 304PP  
978-1-119-79367-0 CL \$29.95 (Japan)  
Business & Management Special Topics

## 土木工学

**Design of Highway Bridges**

An LRFD Approach, 4th Edition

RICHARD M. BARKER &amp; JAY A. PUCKETT

Virginia Tech, Blacksburg, Virginia; University of Wyoming, Laramie

**The latest in bridge design and analysis--revised to reflect the eighth edition of the AASHTO LRFD specifications**

*Design of Highway Bridges: An LRFD Approach, 4th Edition*, offers up-to-date coverage of engineering fundamentals for the design of short- and medium-span bridges. Fully updated to incorporate the 8<sup>th</sup> Edition of the AASHTO Load and Resistance Factor Design Specifications, this invaluable resource offers civil engineering students and practitioners a comprehensive introduction to the latest construction methods and materials in bridge design, including Accelerated Bridge Construction (ABC), ultra high-performance concrete (UHPC), and Practical 3D Rigorous Analysis. This updated Fourth Edition offers:

- Dozens of end-of-chapter worked problems and design examples based on the latest AASHTO LRFD Specifications.
- Access to a Solutions Manual and multiple bridge plans including cast-in-place, precast concrete, and steel multi-span available on the Instructor's companion website

From gaining base knowledge of the AASHTO LRFD specifications to detailed guidance on highway bridge design, *Design of Highway Bridges* is the one-stop reference for civil engineering students and a key study resource for those seeking engineering licensure through the Principles and Practice of Engineering (PE) exam.

MAY 2021 UnknownPP  
978-1-119-64629-7 CL \$187.25 (Japan)  
STRUCTURES

**Biosurfactants for a Sustainable Future**

Production and Applications in the Environment and Biomedicine

EDITOR HEMEN SARMA &amp; EDITOR M. N. V. PRASAD

University of Hyderabad, India

**Explore the state-of-the-art in biosurfactant technology and its applications in environmental remediation, biomedicine, and biotechnology**

*Biosurfactants for a Sustainable Future* explores recent developments in biosurfactants and their use in a variety of cutting-edge applications. The book opens a window on the rapid development of microbiology sciences by explaining how microbes and their products are used in advanced medical technology and in the sustainable remediation of emerging environmental contaminants.

The book emphasizes the different techniques that are used for the detection and isolation of biosurfactants from microorganisms and their characterization. Various aspects of biosurfactants, including structural characteristics, developments, production, bio-economics and their sustainable use in the environment and biomedicine, are addressed, and the book presents metagenomic strategies to facilitate the discovery of novel biosurfactants.

Perfect for academic researchers and scientists working in the petrochemical industry, pharmaceutical industry, and in the agroindustry, *Biosurfactants for a Sustainable Future* will also earn a place in the libraries of scientists working in environmental biotechnology, environmental science, and biochemical engineering.

MAY 2021 480PP  
978-1-119-67100-8 CL \$180.00 (Japan)  
Environmental Engineering



## Water, Climate Change, and Sustainability

VISHNU PRASAD PANDEY, SANGAM SHRESTHA & DAVID WIBERG

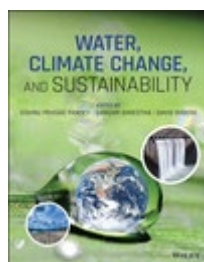
Asian Institute of Technology, Thailand; Asian Institute of Technology (AIT), Thailand

**An in-depth review of sustainable concepts in water resources management under climate change**

Climate change continues to intensify existing pressures in water resources management, such as rapid population growth, land use changes, pollution, damming of rivers, and many others. Securing a reliable water supply--critical for achieving Sustainable Development Goals (SDGs)--requires understanding of the relation between finite water resources, climate variability/change, and various elements of sustainability. *Water, Climate Change, and Sustainability* is a timely and in-depth examination of the concept of sustainability as it relates to water resources management in the context of climate change risks. Featuring contributions by global authors, this edited volume is organized into three sections: Sustainability Concepts; Sustainability Approaches, Tools, and Techniques; and Sustainability in Practice. Detailed chapters describe the linkage between water and sustainable development, highlight the development and use of new measuring and reporting methods, and discuss the implementation of sustainability concepts in various water use sectors. Topics include localizing and mainstreaming global water sustainability initiatives, resilient water infrastructure for poverty reduction, urban water security for sustainable cities, climate actions and challenges for sustainable ecosystem services, and more.

*Water, Climate Change, and Sustainability* is an invaluable resource for policy makers water managers, researchers, and other professionals in the field, and an ideal text for graduate students in hydrogeology, climate change, geophysics, geochemistry, geography, water resources, and environmental science.

MAY 2021 UnknownPP  
978-1-119-56444-7 CL \$199.95 (Japan)  
Water Resources



## 化学工学

## Discrete Element Method for Engineering

Applications with LIGGGHTS

MICHAEL RACKL, ARNO MAYRHOFFER, CHRISTOPH KLOSS & CHRISTOPH GONIVA

This book is intended as an introduction and reference for industrial application of the DEM. One major topic is to provide insights into gold standards and best practices with regard to DEM modeling of bulk materials. The book covers the most important theoretical aspects of the DEM, puts them into perspective of common modeling approaches and sets out to assist practitioners with educated decision-making in day-to-day DEM simulations. Another major topic is consolidation of DEM, bulk solid test setups and measurement data for calibration purposes. Calibration is a core aspect of industrial DEM usage, but many users are uncertain how to choose a test, how to deal with measurement data, which implications follow from simplifications made and how to obtain a satisfactory DEM parameter set. In the last part of the book, examples for typical applications are illustrated and the DEM modeling considerations are elucidated.

All examples in this book are modeled with the open-source DEM software LIGGGHTS, allowing readers to reproduce results and findings with a program that is widely used in industrial settings. The examples are using the publicly available LIGGGHTS-PUBLIC version.

MAY 2021 250PP  
978-3-527-34713-1 CL \$155.00 (Japan)  
Computer-Aided Engineering



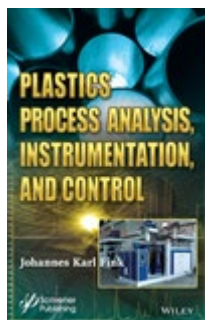
## Plastics Process Analysis, Instrumentation, and Control

EDITOR JOHANNES KARL FINK

This book focuses on plastics process analysis, instrumentation for modern manufacturing in the plastics industry.

Process analysis is the starting point since plastics processing is different from processing of metals, ceramics, and other materials. Plastics materials show unique behavior in terms of heat transfer, fluid flow, viscoelastic behavior, and a dependence of the previous time, temperature and shear history which determines how the material responds during processing and its end use. Many of the manufacturing processes are continuous or cyclical in nature. The systems are flow systems in which the process variables, such as time, temperature, position, melt and hydraulic pressure, must be controlled to achieve a satisfactory product which is typically specified by critical dimensions and physical properties which vary with the processing conditions.

Instrumentation has to be selected so that it survives the harsh manufacturing environment of high pressures, temperatures and shear rates, and yet it has to have a fast response to measure the process dynamics. At many times the measurements have to be in a non-contact mode so as not to disturb the melt or the finished product. Plastics resins are reactive systems. The resins will degrade if the process conditions are not controlled. Analysis of the process allows one to strategize how to minimize degradation and optimize end-use properties.



MAY 2021 416PP  
978-1-119-79573-5 CL \$225.00 (Japan)  
Process Engineering

## Agitator Design for Gas-Liquid Fermenters and Bioreactors

GREGORY T. BENZ

This book is concise reference to designing mechanically sound agitation systems that will perform the process function efficiently and economically. Currently, all the books on bioreactor and fermenter design do not focus specifically on agitation. Sections cover agitator fundamentals, impeller systems, optimum power and air flow at peak mass transfer calculations, optimizing operation for minimum energy per batch, heat transfer surfaces and calculations, shaft seal considerations, mounting method, mechanical design, and vendor evaluation.

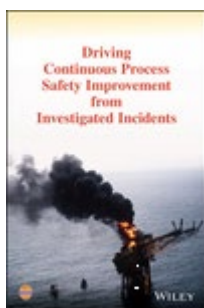


MAY 2021 UnknownPP  
978-1-119-65049-2 CL \$150.00 (Japan)  
Process Development

## Driving Continuous Process Safety Improvement From Investigated Incidents

CCPS (CENTER FOR CHEMICAL PROCESS SAFETY)

The process described in this book for learning from publicly investigated incidents builds on the traditional method for learning from internal incident investigations. In addition to standalone efforts to learn from external incidents, readers can use this process when learning from internal incidents to add weight to recommendations and ongoing communication efforts.



This book contains guidelines for companies to improve their process safety performance when learning from incidents investigated by public organizations. It provides techniques to use reports and videos from public incidents by using different, detailed learning model scenarios. The book provides this learning model guidance for sharing public incident reports and videos. The learning model scenarios in the book include studies from a process with chemical reactivity hazards, operations involving a leaking hose or overfilling, and a company with cultural issues. These studies include a scenario on how to internalize a high-profile incident and one on how to effectively manage population sprawl, as well.

MAY 2021 288PP  
978-1-119-76866-1 CL \$140.00 (Japan)  
Process Safety

## Guidelines for Process Safety in Chemical Laboratories and Pilot Plants

CCPS (CENTER FOR CHEMICAL PROCESS SAFETY)

This book provides guidance on "what" can be done from a management systems perspective to identify hazards and manage risks of "loss of containment" events in chemical laboratories and pilot plants. It provides examples of "how to" implement such practices and descriptions of a range of typically encountered process safety hazards typical controls based on current best practices.

MAY 2021 UnknownPP  
978-1-119-01013-5 CL \$125.00 (Japan)  
Process Safety



## 化学

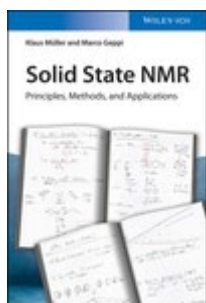
**Solid State NMR**

## Principles, Methods and Applications

KLAUS MÜLLER &amp; MARCO GEPPI

Universita degli Studi di Trento, Italy

In one didactically uniform volume, this book covers experimental equipment and methodological concepts while providing numerous examples in biomaterials, polymers and inorganic substances. The topics covered range from theoretical background knowledge to practical applications and solutions. The whole is rounded off by a glossary, literature and a summary at the end of the chapters, making this a handy textbook for postgraduate courses.



MAY 2021 662PP  
978-3-527-31816-2 PB \$115.00 (Japan)  
Analytical Chemistry

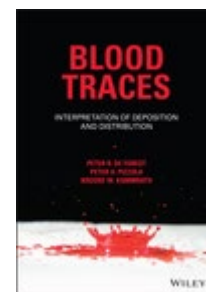
**Blood Traces**

## Interpretation of Deposition and Distribution

PETER R. DE FOREST, PETER A. PIZZOLA &amp; BROOKE W. KAMMRATH

**A guide to the scientific interpretation of blood traces**

*Blood Traces* provides an authoritative resource that reviews many of the aspects of the interpretation of blood traces that have not been treated with the thoroughness they deserve. With strict adherence to the scientific method, the authors -- noted experts on the topic -- address the complexities encountered when interpreting blood trace configurations. The book provides an understanding of the scientific basis for the use of blood trace deposits, i.e. bloodstain patterns, at crime scenes to better reconstruct a criminal event.



The authors define eight overarching principles for the comprehensive analysis and interpretation of blood trace configurations. Three of these principles are: blood traces may reveal a great deal of useful information; extensive blood traces, although present, may not always yield information relevant to questions that may arise in a given case; and a collection of a few seemingly related dried blood droplet deposits is not necessarily an interpretable "pattern". This important resource:

- Provides the fundamental principles for the scientific examination and understanding of blood trace deposits and configurations
- Dispels commonly accepted misinformation about blood traces.
- Contains a variety of illustrative case examples which will aid in demonstrating the concepts discussed

Written for forensic scientists, crime scene investigators, members of the legal community, and students in these fields, *Blood Traces* presents the fundamental principles for the scientific examination of blood trace deposits and configurations.

MAY 2021 250PP  
978-1-119-76453-3 CL \$100.00 (Japan)  
Forensics

## Handbook of Assisted and Amendment-Enhanced Sustainable Remediation Technology

EDITOR M. N. V. PRASAD

University of Hyderabad, India

**Learn more about phytoremediation technology with this state-of-the-art resource from an internationally recognized editor and leader in his field**

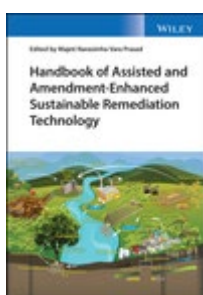
*The Handbook of Assisted and Amendment-Enhanced Sustainable Remediation Technology* discusses sustainable approaches to the removal of contaminants from the environment or the reduction of their toxicity. The distinguished editor has included resources from an internationally recognized group of academics who discuss strategies to increase the effectiveness of phytoremediation.

Special attention is paid to the use of organic amendments to facilitate soil cleanup and the growth of phytoremediation plants. The book includes discussions of new remediation technologies, global trends in the environmental remediation industry, and the future challenges and opportunities likely to arise in the short and long term.

*The Handbook of Assisted and Amendment-Enhanced Sustainable Remediation Technology* provides a compelling case for the cost-effectiveness, aesthetics, and minimal environmental disturbance of phytoremediation.

Perfect for environmental engineers, environmental scientists, geologists, chemical engineers, and landscape engineers, *Handbook of Assisted and Amendment-Enhanced Sustainable Remediation Technology* is also an indispensable reference for scientists working in the green chemistry and technology industries, biochemical engineers, environmental regulators, and policy makers.

MAY 2021 552PP  
978-1-119-67036-0 CL \$220.00 (Japan)  
Environmental Chemistry



## Water-Quality Engineering in Natural Systems

Fate and Transport Processes in the Water Environment, 3rd Edition

DAVID A. CHIN

University of Miami, Coral Gables, Florida

This textbook describes in detail the fundamental equations that govern the fate and transport of contaminants in the environment, and covers the application of these equations to engineering design and environmental impact analysis relating to contaminant discharges into rivers, lakes, wetlands, groundwater, and oceans. The third edition provides numerous end-of-chapter problems and an expanded solutions manual. Also introduced in this edition are PowerPoint slides for all chapters so that instructors have a ready-made course.

Key distinguishing features of this book include: detailed coverage of the science behind water-quality regulations, state-of-the-art methods for calculating total maximum daily loads (TMDLs) for the remediation of impaired waters, modeling and control of nutrient levels in lakes and reservoirs, design of constructed treatment wetlands, design of groundwater remediation systems, design of ocean outfalls, control of oil spills in the ocean, and the design of systems to control the quality of surface runoff from watersheds into their receiving waters. In addition, the entire book is updated to provide the latest advances in the field of water-quality control. For example, concepts such as mixing zones are expanded to include physical nature and regulatory importance of mixing zones, practical aspects of outfall and diffuser design are also included, specific details of water-quality modeling are updated to reflect the latest developments on this topic, and new findings relating to priority and emerging pollutants are added.



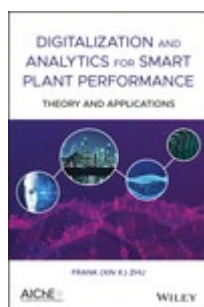
MAY 2021 464PP  
978-1-119-53202-6 CL \$160.00 (Japan)  
WATER CHEMISTRY

## Digitalization and Analytics for Smart Plant Performance

Theory and Applications

FRANK (XIN X.) ZHU

This book addresses the topic of integrated digitization of plants on an objective basis and in a holistic manner by sharing data, applying analytics tools and integrating workflows via pertinent examples from industry. It begins with an evaluation of current performance management practices and an overview of the need for a



"Connected Plant" via digitalization followed by sections on "Connected Assets: Improve Reliability and Utilization," "Connected Processes: Optimize Performance and Economic Margin " and "Connected People: Digitalizing the Workforce and Workflows and Developing Ownership and Digital Culture," then culminating in a final section entitled "Putting All Together Into an Intelligent Digital Twin Platform for Smart Operations and Demonstrated by Application cases."

MAY 2021 528PP  
978-1-119-63403-4 CL \$195.00 (Japan)  
Industrial Chemistry

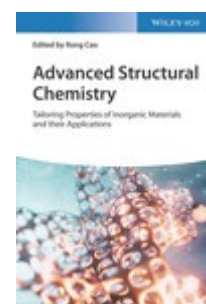
## Advanced Structural Chemistry

Tailoring Properties of Inorganic Materials and their Applications

EDITOR RONG CAO

A unique book addressing the relationship between the structure and function of matter, efficient and precise synthesis methodology, and theoretical tools for new functional clusters and porous materials.

MAY 2021 1184PP  
978-3-527-34900-5 CL \$445.00 (Japan)  
Inorganic Chemistry



## The Chemistry of Organoboron Compounds

MARK GANDELMAN, ILAN MAREK, JOEL F. LIEBMAN & ZVI RAPPOPORT, ISRAEL

Department of Chemistry, Israel Institute of Technology, Haifa, Israel; University of Maryland, USA; The Hebrew University, Jerusalem

### The ultimate resource in organoboron chemistry

Professor Mark Gandelman and his colleagues delve deeply into the theory, structure, analysis, synthesis, and reactions of organoboron chemistry in *The Chemistry of Organoboron Compounds*. Organoborons are used heavily as highly efficient reagents in many reactions, including cross-coupling and radical reactions. The highly regarded authors have tied together organic-chemical and physico-chemical knowledge usually unavailable from a single source. The book focuses on the use of completely biodegradable "green" reagents, as opposed to environmentally hazardous heavy metal catalysts.

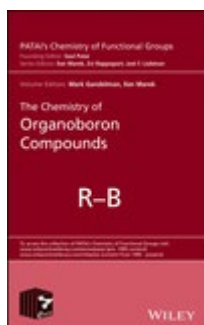
*The Chemistry of Organoboron Compounds* delivers comprehensive and complete information on:

- The behavior of organoboron compounds
- The use of organoboron compounds in organic synthesis
- The commercial applications of organoboron compounds

As a volume in the celebrated Patai book series, *The Chemistry of Organoboron Compounds* includes all the features that readers of that series are used to enjoying, including a comprehensive index at the back of the book.

SERIES: PATAI'S CHEMISTRY OF FUNCTIONAL GROUPS

MAY 2021 1152PP  
978-1-119-51804-4 CL \$1115.00 (Japan)  
Organic Chemistry



## Organic Reactions

Volume 105

EDITOR-IN-CHIEF P. ANDREW EVANS

Indiana University, Department of Chemistry, Bloomington, USA

The 105th volume in this series for organic chemists in academia and industry presents critical discussions of widely used organic reactions or particular phases of a reaction. The material is treated from a preparative viewpoint, with emphasis on limitations, interfering influences, effects of structure and the selection of experimental techniques. The work includes tables that contain all possible examples of the reaction under consideration. Detailed procedures illustrate the significant modifications of each method.



SERIES: ORGANIC REACTIONS

MAY 2021 UnknownPP  
978-1-119-77120-3 CL \$350.00 (Japan)  
Organic Chemistry

## Astrochemistry

The Physical Chemistry of the Universe

2nd Edition

ANDREW M. SHAW, UNITED KINGDOM

University of Exeter, UK

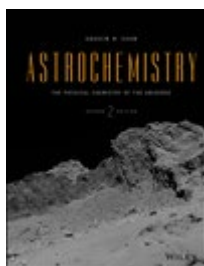
**A fully revised new edition of an introductory text to the dynamic and fascinating subject of astrochemistry**

Since the first edition in 2006 of *Astrochemistry*, the Mars rovers have driven 31.18 miles, there has been fly-by of Pluto changing it from a 4-pixel world on the Hubble Space Telescope into a mysterious non-planet. There have been visits to asteroids, revisiting Mercury, discovery of the Higgs Boson, discovery of over 2000 extrasolar planets and landing on the comet 67P/Churyumov–Gerasimenko by Rosetta mission -- hence the timely publication of this new edition.

This core textbook now includes more detailed information on the kinetic modelling of chemistry in the interstellar medium, extending the same principles of physical chemistry to meteor ablation and finally atmospheres and oceans. The increase in density from near-emptiness to  $1.35 \times 10^{21}$  L of water in the world's oceans is used to take single collision kinetics into ensemble thermodynamics. A new introduction of thermodynamic using meteor ablation replaces traditional bomb calorimetry and per-biotic chemistry leads to spontaneous reactions.

Written for undergraduate and postgraduate students in astrochemistry or more generally physical chemistry, the new edition of *Astrochemistry* is an important introductory text to the topic, the latest developments in the field and the ubiquity of physical chemistry.

MAY 2021 480PP  
978-1-119-11472-7 CL \$90.00 (Japan)  
PHYSICAL CHEMISTRY



## Applied Colloid and Surface Chemistry

2nd Edition

RICHARD M. PASHLEY & MARILYN E. KARAMAN

Australian National University; Australian National University

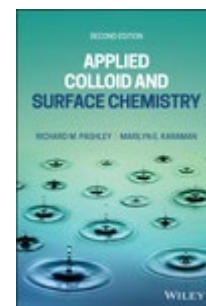
**An updated guide to the interaction between solids, liquids, and gases and their application to numerous everyday processes**

The revised and updated second edition of *Applied Colloid and Surface Chemistry* offers a comprehensive introduction to this interdisciplinary field that takes a practical approach and includes information on applications drawn from a wide range of industries. The easy-to-follow text contains new content that focuses on applications such as the prevention of propeller cavitation, industrial explosives, PFAS contamination, and bubble column evaporators.

With contributions from noted experts on the topic, the book contains keynote sections written by practicing industrial research scientists, who highlight real-world industrial examples. These examples range from water treatment through to soil management as well as examples from the coatings and photographic industries. Designed as an accessible resource, the book separates the more demanding mathematical derivations from the main text. The text features approachable, structured chapters, learning objectives, tutorial questions with answers, and explanatory notes.

Written for students of chemistry, materials science, and engineering, *Applied Colloid and Surface Chemistry, Second Edition* offers an updated guide to soft matter presenting the bridge between science, with proven laboratory experiments, and real-world industrial applications.

MAY 2021 240PP  
978-1-119-73912-8 PB \$65.00 (Japan)  
SURFACE & COLLOID CHEMISTRY



## 文化研究

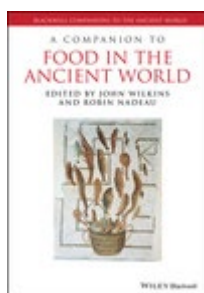
**A Companion to Food in the Ancient World**

EDITOR JOHN WILKINS &amp; EDITOR ROBIN NADEAU

University of Exeter, UK; Laurentian University, Canada

*A Companion to Food in the Ancient World* presents a comprehensive overview of the cultural aspects relating to the production, preparation, and consumption of food and drink in antiquity.

- \* Provides an up-to-date overview of the study of food in the ancient world
- \* Addresses all aspects of food production, distribution, preparation, and consumption during antiquity
- \* Features original scholarship from some of the most influential North American and European specialists in Classical history, ancient history, and archaeology
- \* Covers a wide geographical range from Britain to ancient Asia, including Egypt and Mesopotamia, Asia Minor, regions surrounding the Black Sea, and China
- \* Considers the relationships of food in relation to ancient diet, nutrition, philosophy, gender, class, religion, and more



SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

MAY 2021 512PP  
 978-1-119-06816-7 PB \$49.95 (Japan)  
 9781405179409 CL \$202.75 (Japan), Published Aug 2015  
 Ancient Culture

**A Companion to the Latin Language**

EDITOR JAMES CLACKSON

University of Cambridge, UK

*A Companion to the Latin Language* presents a collection of original essays from international scholars that track the development and use of the Latin language from its origins to its modern day usage.



- Brings together contributions from internationally renowned classicists, linguists and Latin language specialists
- Offers, in a single volume, a detailed account of different literary registers of the Latin language
- Explores the social and political contexts of Latin
- Includes new accounts of the Latin language in light of modern linguistic theory
- Supplemented with illustrations covering the development of the Latin alphabet

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

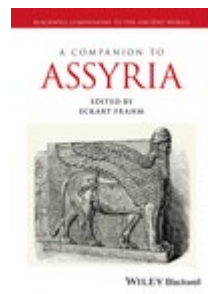
MAY 2021 664PP  
 978-1-119-26677-8 PB \$54.95 (Japan)  
 9781405186056 CL \$223.50 (Japan), Published Aug 2011  
 Latin Literature



## A Companion to Assyria

EDITOR ECKART FRAHM, UNITED STATES

*A Companion to Assyria* is a collection of original essays on ancient Assyria written by key international scholars. These new scholarly contributions have substantially reshaped contemporary understanding of society and life in this ancient civilization.



- The only detailed up-to-date introduction providing a scholarly overview of ancient Assyria in English within the last fifty years
- Original essays written and edited by a team of respected Assyriology scholars from around the world
- An in-depth exploration of Assyrian society and life, including the latest thought on cities, art, religion, literature, economy, and technology, and political and military history

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

MAY 2021 640PP  
978-1-119-09227-8 PB \$46.75 (Japan)  
9781444335934 CL \$208.00 (Japan), Published Apr 2017  
Ancient & Classical Studies

## A Companion to the Achaemenid Persian Empire

EDITOR BRUNO JACOBS & EDITOR ROBERT ROLLINGER

University of Basel; University of Innsbruck

**A comprehensive review of the political, cultural, social, economic, and religious history of the Achaemenid Empire**



Often called the first world empire, the Achaemenid Empire is rooted in older Near Eastern traditions. *A Companion to the Achaemenid Persian Empire* offers a perspective in which the history of the empire is embedded in the preceding and subsequent epochs. In this way, the traditions that shaped the Achaemenid Empire become as visible as the powerful impact it had on further historical development. The work not only breaks new ground in this respect, but also in the fact that, in addition to written testimonies of all kinds, it also considers material tradition as an equal factor in historical reconstruction. This comprehensive two-volume set features contributions by internationally-recognized experts that offer balanced coverage of the whole of the empire from Anatolia and Egypt, and across western Asia to northern India and Central Asia.

Comprehensive in scope, the Companion provides readers with a panoramic view of the diversity, richness, and complexity of the Achaemenid Empire, dealing with all the many aspects of history, event history, administration, economy, society, communication, art, science, and religion while illustrating the multifaceted nature of the first true empire in world history.

Part of the acclaimed *Blackwell Companions to the Ancient World* series, *A Companion to the Achaemenid Persian Empire* is an indispensable work for students, instructors, and scholars of Persian and ancient world history, particularly the First Persian Empire.

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

MAY 2021 UnknownPP  
978-1-119-17428-8 CL \$420.00 (Japan)  
Ancient & Classical Studies

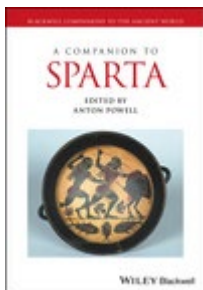
## コミュニケーション

**A Companion to Sparta**

EDITOR ANTON POWELL

Classical Press of Wales, UK

The two-volume *A Companion to Sparta* presents the first comprehensive, multi-authored series of essays to address all aspects of Spartan history and society from its origins in the Greek Dark Ages to the late Roman Empire.



- Offers a lucid, comprehensive introduction to all aspects of Sparta, a community recognised by contemporary cities as the greatest power in classical Greece
- Features in-depth coverage of Sparta history and culture contributed by an international cast including almost every noted specialist and scholar in the field
- Provides over a dozen images of Spartan art that reveal the evolution of everyday life in Sparta
- Sheds new light on a modern controversy relating to changes in Spartan society from the Archaic to Classical periods

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

MAY 2021 776PP 978-1-119-09896-6 PB \$69.95 (Japan)  
9781405188692 CL \$416.00 (Japan), Published Dec 2017  
Ancient & Classical Greek & Hellenistic Studies

**A Companion to Media Fandom and Fan Studies**

EDITOR PAUL BOOTH

*A Companion to Media Fandom and Fan Studies*

offers scholars and fans an accessible and engaging resource for understanding the rapidly expanding field of fan studies. International in scope and written by a team that includes many major scholars, this volume features over thirty especially-commissioned essays on a variety of topics, which together provide an unparalleled overview of this fast-growing field. Separated into five sections--Histories, Genealogies, Methodologies; Fan Practices; Fandom and Cultural Studies; Digital Fandom; and The Future of Fan Studies--the book synthesizes literature surrounding important theories, debates, and issues within the field of fan studies. It also traces and explains the social, historical, political, commercial, ethical, and creative dimensions of fandom and fan studies. Exploring both the historical and the contemporary fan situation, the volume presents fandom and fan studies as models of 21st century production and consumption, and identifies the emergent trends in this unique field of study.



MAY 2021 550PP  
978-1-119-23723-5 PB \$44.95 (Japan)  
9781119237167 CL \$202.75(Japan), Published Apr 2018  
Mass Media & Society

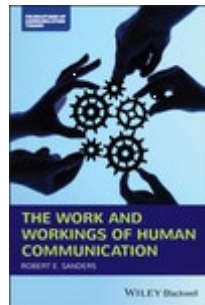


## The Work and Workings of Human Communication

ROBERT E. SANDERS

**Discover the fundamentals of human communication with this comprehensive and insightful resource**

Written in four sections, *The Work and Workings of Human Communication* identifies the underlying fundamentals that make our communication distinctively human. These fundamentals are the common ground that tie together the many topics and subject matters covered by the study and discipline of communication. They are also the basis of the unique contribution of the communication discipline to the social sciences.



Professor, researcher and theorist Robert E. Sanders starts by focusing on what is unique about human communication and moves on to an examination of the complexities of scientific inquiry in the social sciences in general and in the communication discipline specifically. At the heart of the matter is the fact that humans are thinking beings who can make choices and therefore are not entirely predictable. This points towards new topics and questions that are likely to arise as the discipline evolves. Sanders' approach leads to recognition of the fact that communication is at the center of how humans build our ways of life and participate together.

A perfect resource for new graduate students in introductory communication courses who have an interest in the social science side of the discipline, *The Work and Workings of Human Communication* is also highly valuable for undergraduate communication and liberal arts students who don't possess a background in the discipline.

SERIES: FOUNDATIONS OF COMMUNICATION THEORY SERIES

MAY 2021 312PP  
978-1-119-70648-9 PB \$49.95 (Japan)  
Communication Theory

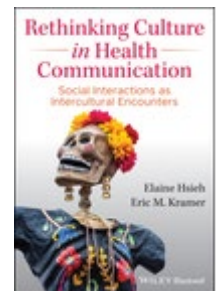
## Rethinking Culture in Health Communication

Social Interactions as Intercultural Encounters

ELAINE HSIEH & ERIC M. KRAMER

**An interdisciplinary overview of health communication using a cultural lens--uniquely focused on social interactions in health contexts**

In increasingly diverse communities around the world, patients, health professionals, and policymakers embody cultural constructs that impact healthcare processes. *Rethinking Culture in Health Communication* explores the ways culture influences healthcare, introducing new approaches to understanding social relationships and health policies as a dynamic process involving cultural values, expectations, motivations, and behavioral patterns. This innovative textbook integrates theories and practices in health communication, public health, and medicine to help students relate fundamental concepts to their personal experiences and develop an awareness of how all individuals and groups are shaped by culture.



The authors present a foundational framework explaining how cultures can be understood from three perspectives--Magic Consciousness, Mythic Connection, and Perspectival Thinking--to examine existing theories, social norms, and clinical practices in health-related contexts. Detailed yet accessible chapters discuss culture and health behaviors, interpersonal communication, minority health and healthcare delivery, cultural consciousness, social interactions, sociopolitical structure, and more. The text features examples of how culture can create challenges in access, process, and outcomes of healthcare services. It includes scenarios in which individuals and institutions hold different or incompatible ethical views. The text also illustrates how theoretical concepts can emerge in caregiver-patient communication, provider-patient interactions, social policies, public health interventions, and other real-life settings.

MAY 2021 464PP  
978-1-119-49616-8 PB \$64.95 (Japan)  
Cultural Communication

## Facebook

TAINA BUCHER

READERSHIP: Students and scholars of Media and Communication Studies, Sociology, Political Sciences, and Information Sciences. A key resource for scholars researching in this area.

SERIES: DIGITAL MEDIA AND SOCIETY

MAY 2021 288PP  
978-1-5095-3516-3 CL \$69.95 (Japan)  
978-1-5095-3517-0 PB \$22.95 (Japan)  
Digital Culture & the Information Age



## A Companion to Hong Kong Cinema

EDITOR ESTHER M. K. CHEUNG, EDITOR GINA MARCHETTI &  
EDITOR ESTHER C. M. YAU

University of Hong Kong; University of Hong Kong; University of Hong Kong

- \* Represents a concerted effort to examine Hong Kong cinema within an interdisciplinary context with connections between gender studies, media studies, Asian regional studies, Chinese language and cultural studies, global studies, and critical theory
- \* Highlights the often contentious debates that shape current thinking about film as a medium and its possible future

- \* Investigates how changing research on gender, the body, and sexual orientation alter the ways in which we analyze sexual difference in Hong Kong cinema

- \* Charts how developments in theories of colonialism, postcolonialism, globalization, neoliberalism, Orientalism, and nationalism transform our understanding of the economics and politics of the Hong Kong film industry

- \* Explores how the concepts of diaspora, nostalgia, exile, and trauma offer opportunities to rethink accepted ways of understanding Hong Kong's popular cinematic genres and stars



SERIES: WILEY BLACKWELL COMPANIONS TO NATIONAL CINEMAS

MAY 2021 640PP  
978-1-119-06603-3 PB \$57.25 (Japan)  
9780470659281 CL \$202.75 (Japan), Published July 2015  
Film Studies

## コンピュータサイエンス

**Microgrid Technologies**

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

Microgrid technology is an emerging area, and it has numerous advantages over the conventional power grid. A microgrid is defined as Distributed Energy Resources (DER) and interconnected loads with clearly defined electrical boundaries that act as a single controllable entity concerning the grid. Microgrid technology enables the connection and disconnection of the system from the grid. That is, the microgrid can operate both in grid-connected and islanded modes of operation. Microgrid technologies are an important part of the evolving landscape of energy and power systems.

Many aspects of microgrids are discussed in this volume, including, in the early chapters of the book, the various types of energy storage systems, power and energy management for microgrids, power electronics interface for AC & DC microgrids, battery management systems for microgrid applications, power system analysis for microgrids, and many others.

The middle section of the book presents the power quality problems in microgrid systems and its mitigations, gives an overview of various power quality problems and its solutions, describes the PSO algorithm based UPQC controller for power quality enhancement, describes the power quality enhancement and grid support through a solar energy conversion system, presents the fuzzy logic-based power quality assessments, and covers various power quality indices.

The final chapters in the book present the recent advancements in the microgrids, applications of Internet of Things (IoT) for microgrids, the application of artificial intelligent techniques, modeling of green energy smart meter for microgrids, communication networks for microgrids, and other aspects of microgrid technologies.

Valuable as a learning tool for beginners in this area as well as a daily reference for engineers and scientists working in the area of microgrids, this is a must-have for any library.

MAY 2021 547PP  
978-1-119-71079-0 CL \$225.00 (Japan)  
Client/Server Technologies

**Beginning Rust Programming**

RIC MESSIER

This is not your typical programming book! Jump right in with interesting, useful programs, some of which are drawn from classic computer science problems as a way of talking about the programming constructs in the language rather than explaining everything in a dry, theoretical manner that doesn't translate well to implementation.



Rust programming has been the "most loved programming language" in the Stack Overflow Developer Survey every year since 2016!

Learn why programmers are using Rust due to its performance and efficiency, without the errors and crashes that a programmer would find in common languages such as C and C++. Built around solving real problems, this book will help introduce you to computer science problems that can be built upon to create solutions for other problems.

**LEARN BY DOING:** This book will focus on a practical approach to learning Rust. You will learn all of the language fundamentals through the use of programming examples that do interesting things! All of the programs covered will be based on a computer science problem or other interesting problems that can be used as a foundation for demonstrating language syntax, data types and structures, and other features or techniques for developing programs.

MAY 2021 UnknownPP  
978-1-119-71297-8 PB \$50.00 (Japan)  
Programming & Software Development

## Job Ready Java

HAYTHEM BALTI

**Prepare yourself to take on new and exciting Java programming challenges with this one-stop resource**

*Job Ready Java* delivers a comprehensive and foundational approach to Java that is immediately applicable to real-world environments. Based on the highly regarded and effective Software Guild Java Bootcamp: Object Oriented Programming course, this book teaches you the basic and advanced Java concepts you will need at any entry-level Java position.

With the "Pulling It Together" sections, you'll combine and integrate the concepts and lessons taught by the book, while also benefiting from:

- A thorough introduction to getting set up with Java, including how to write, compile, and run Java programs with or without a Java IDE
- Practical discussions of the basics of the Java language, including syntax, program flow, and code organization
- A walk through the fundamentals of Object-Oriented Programming including Classes, Objects, Interfaces, and Inheritance, and how to leverage OOP in Java to create elegant code.
- Explorations of intermediate and advanced Java concepts, including Maven, unit testing, Lambdas, Streams, and the Spring Framework

Perfect for Java novices seeking to make a career transition, *Job Ready Java* will also earn a place in the libraries of Java developers wanting to brush up on the fundamentals of their craft with an accessible and up-to-date resource.

MAY 2021 768PP  
978-1-119-77564-5 PB \$40.00 (Japan)  
Object Technologies - Java



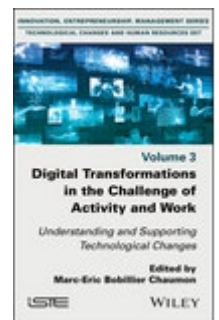
## Digital Transformations in the Challenge of Activity and Work

Understanding and Supporting Technological Changes

EDITOR MARC-ERIC BOBILLIER CHAUMON

**TECHNOLOGICAL CHANGES AND HUMAN RESOURCES SET** Coordinated by Patrick Gilbert

The accelerating pace of technological change (AI, cobots, immersive reality, connected objects, etc.) calls for a profound reexamination of how we conduct business. This requires new ways of thinking, acting, organizing and collaborating in our work. Faced with these challenges, the Human and Social Sciences have a leading role to play, alongside others, in designing, supporting and implementing these digital transformation projects. Their ambition is to participate in the development of innovative and empowering devices, that is to say, systems that are truly at the service of human beings and their activity, that empower these professionals to take action and that also provide occupational health services. This book takes a multidisciplinary look at the challenges of these digital transformations, making use of occupational psychology, ergonomics, sociology of uses, and management sciences. This viewpoint also helps provide epistemological, methodological and empirical insights to better understand and support the changes at work.



MAY 2021 304PP  
978-1-78630-529-9 CL \$165.00 (Japan)  
Digital Culture & the Information Age

## Practical Applications of Coaching and Mentoring in Dentistry

JANINE BROOKS & HELEN CATON-HUGHES

**Provides an understanding of the theory of coaching and mentoring with practical applications within the field of dentistry**

*Practical Applications of Coaching and Mentoring in Dentistry* offers a comprehensive overview of the theory of coaching and mentoring as it applies to the field of dentistry.

The book includes practical case studies that demonstrate how dental professionals have implemented coaching and mentoring into their daily practice. Grouped into themes such as remediation, foundation training, outreach training, and specialist practice, it also explains the coaching and mentoring techniques chosen and applied. Core topics include:

- A thorough introduction to the mechanics of mentoring
- The characteristics of typical mentors, mentoring engagements and the different types of mentoring
- What mentoring can achieve
- An exploration of business coaching, including the difference between mentoring and coaching
- Discussions of the various types of models used within mentoring and coaching

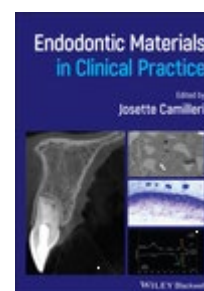
Promoting the importance of coaching and mentoring, *Practical Applications of Coaching and Mentoring in Dentistry* highlights the positive impact and benefits, and is a valuable resource for dental professionals, dental organisations, and local dental committees.

MAY 2021 200PP  
978-1-119-64826-0 PB \$55.00 (Japan)  
General Dentistry

## Endodontic Materials in Clinical Practice

JOSETTE CAMILLERI

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



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

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

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

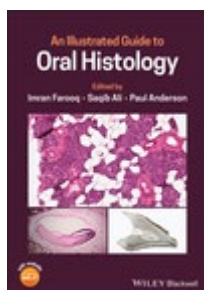
MAY 2021 304PP  
978-1-119-51352-0 CL \$150.00 (Japan)  
Endodontics

## An Illustrated Guide to Oral Histology

IMRAN FAROOQ, SAQIB ALI & PAUL ANDERSON

**Learn more about the histological presentation of diseased and normal oral tissues with this high definition illustrated dental reference**

*An Illustrated Guide to Oral Histology* delivers a collection of high-definition histological and pathological images, presenting both diseased and normal oral tissues.



The book provides over 200 high-magnification histomicrographs of oral tissues, as well as definitions and explanations of key identifying histological and pathological features of oral tissues. Readers will also benefit from explanations of the clinical significance of particular features, numerous images of ground sections, haemotoxylin- and eosin-stained sections, and electron images. It also includes core topics such as:

- An introduction to tooth development, including the bud, cap, early bell, and late bell stages
- A thorough exploration of enamel, dentin, cementum and dental pulp
- A discussion of the periodontal ligament, including alveolar crest fibers, horizontal, oblique, apical, and inter-radicular fibers, transseptal fibers, and gingival fibers
- A guide to alveolar bone, oral mucosa, and salivary glands

Perfect for postgraduate dental students, *An Illustrated Guide to Oral Histology* will also be useful to undergraduate dental students, and those looking to improve their understanding of the microscopic structure of dental tissues and their pathologies.

MAY 2021 192PP  
978-1-119-66944-9 CL \$115.00 (Japan)  
Oral Biology

## Dental Trauma at a Glance

AWS ALANI & GARETH CALVERT

Written in a short and concise manner, *Dental Trauma at a Glance* is a practical reference that contains essential information on the safe and effective clinical management of acute adult dental trauma injuries.



The book addresses the numerous types of adult dental injuries and contains guidance on how the correct identification and treatment of these injuries can be time sensitive. Filled with helpful illustrations and photographs, the text is formatted in a step-by-step manner for the reader to arrive at the correct diagnosis and the most up-to-date management for safe and optimum patient care.

- Provides the most contemporary must-have information for the clinical management of acute adult dental trauma
- Its format is quick and easy to use
- Offers a highly illustrated text with quality clinical photographs to aid with learning and revision
- Provides an understanding of traumatic adult dental injuries, their healing and an insight into their longer-term sequelae

A new addition to the popular *at a Glance* series, *Dental Trauma at a Glance* is an indispensable hands-on guide for dental students and general dental practitioners.

SERIES: AT A GLANCE (DENTISTRY)

MAY 2021 96PP  
978-1-119-56283-2 PB \$55.00 (Japan)  
Dental Traumatology



## Clinical Cases in Gerodontology

GERRY MCKENNA, FINBARR ALLEN & FRANCIS BURKE

*Clinical Cases in Gerodontology* provides a comprehensive overview of the most relevant dental issues that arise when dealing with an aging population.

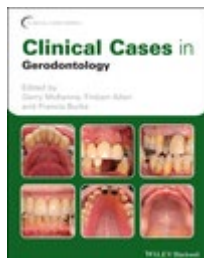
*Clinical Cases in Gerodontology* applies the theory and practice to real-life cases in a clinically relevant format. To aid learning, each of the clinical cases presented has a defined learning objective and goal. In addition, the authors discuss in detail the clinical decision-making factors and the text is enhanced with photographs that demonstrate the progressive stages of treatment. This important text:

- Offers a case-based guide to geriatric dental care
- Includes the thinking behind clinical decision making
- Fosters independent learning and prepares for case-based examinations
- Contains review questions and relevant literature citations

Written for graduate and undergraduate dental students and professionals, *Clinical Cases in Gerodontology* offers an instructive case-based guide to the oral health of older adults.

SERIES: CLINICAL CASES (DENTISTRY)

MAY 2021 176PP  
978-1-119-22659-8 PB \$80.00 (Japan)  
Gerodontology



## Aligner Techniques in Orthodontics

JAVIER LOZANO ZAFRA & SUSANA PALMA MOYA

**An essential guide to the theoretical and practical clinical information on different aligner techniques in orthodontics**

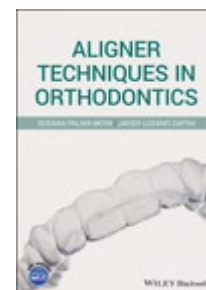
*Aligner Techniques in Orthodontics* is filled with the theoretical and practical clinical information on the popular aligner techniques with a focus on Invisalign. Written by practicing orthodontists and noted experts on the topic, the book is designed to help practitioners develop their skills in using aligners in orthodontics. The authors describe in detail the clear and simple methods for treating patients using different aligner techniques, as well as material on treating any given malocclusion.

The book is filled with descriptive illustrations and includes helpful suggestions and ideas for implementing the various aligner techniques. This important guide:

- Provides theoretical and practical clinical information on different aligner techniques including Invisalign
- Offers clear and simple methods to treat patients using different aligner techniques
- Explains how to use clear aligners to treat a given malocclusion
- Written by two renowned experts in Align and Invisalign technology

Written for practicing orthodontists and general dentists, *Aligner Techniques in Orthodontics* provides an invaluable resource for practicing orthodontists.

MAY 2021 182PP  
978-1-119-60722-9 PB \$195.00 (Japan)  
Orthodontics





## 教育

**Planning Programs for Adult Learners**

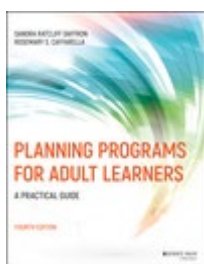
A Practical Guide, 4th Edition

SANDRA RATCLIFF DAFFRON, ROSEMARY S. CAFFARELLA &  
FOREWORD BY RONALD M. CERVEROWestern Washington University, Bellingham, WA; Virginia  
Commonwealth University, Richmond; University of Georgia**Strengthen your adult education  
program planning with this essential  
guide***Planning Programs for Adult Learners: A Practical Guide, 4th Edition* is an interactive, practical, and essential guide for anyone involved with planning programs for adult learners.

Containing extensive updates, refinements, and revisions to this celebrated book, this edition prepares those charged with planning programs for adult learners across a wide variety of settings.

Spanning a variety of crucial subjects, this book will teach readers how to:

- Plan, organize, and complete other administrative tasks with helpful templates and practical guides
- Focus on challenges of displacement, climate change, economic dislocation, and inequality
- Plan programs using current and emerging digital delivery tools and techniques including virtual and augmented reality

*Planning Programs for Adult Learners* provides an international perspective and includes globally relevant examples and research that will inform and transform your program planning process. Perfect for adult educators and participants in continuing education programs for adults, the book will also be illuminating for graduate students in fields including education, nursing, human resource development, and more.MAY 2021 560PP  
978-1-119-57740-9 PB \$46.00 (Japan)  
ADULT & CONTINUING EDUCATION**To University and Beyond**

Launch Your Career in High Gear

MANDEE HELLER ADLER &amp; DAVID TETEN

**Learn how to use your time as a  
student to supercharge your career***To University and Beyond: Launch Your Career in High Gear* delivers a step-by-step guide to using your educational years to put you in the right position to accelerate your career, optimize your time, and build valuable and rewarding relationships. You'll learn everything you need to know about taking advantage of the once-in-a-lifetime opportunity: the first ten years of your careerBroken down into 21 accessible chapters, *To University and Beyond* features a wide array of practical and strategic advice on topics like:

- How to write the perfect resume or CV
- How to hack your career path to achieve what you've always dreamt of
- How to access rarely used scholarships and grants
- How to find selective short-term learning programs

Perfect for high school, college, and university students who want to make the most of their time and start their career off on the right foot, *To University and Beyond* provides a wealth of actionable advice you can put to work today.MAY 2021 160PP  
978-1-119-75792-4 PB \$19.95 (Japan)  
Education Special Topics

## 電気電子工学

**Platform and Collective Intelligence**

Digital Ecosystem of Organizations

ANTOINE HENRY

Organizations, both private and public, are now evolving in a globalized information society? that has been accelerated by digitization. They find themselves drawn into a spiral of transformations fueled by the incessant reinvention of information and communication technologies (ICT) that are changing digital uses and practices. They transform through the mediating action of ICTs, work activities and associated action situations.



Platform and Collective Intelligence analyzes a specific declination of an organization that has become irreversibly reticular: the platform organization. The network, at the heart of this new conception, proposes a model combining cybernetics and computing. The organization can thus be seen as an interface for contact, via its information systems, for employees or citizens, whatever their geographical location.

With a view going beyond technocentrism and technological determinism, this book combines collective intelligence and sociotechnics with the platform to arrive at the notion of “organizational experience”.

MAY 2021 176PP  
978-1-78630-492-6 CL \$165.00 (Japan)  
Communication Technology

**Smart Buildings, Smart Communities and Demand Response**

EDITOR DENIA KOLOKOTSA &amp; EDITOR NIKOS KAMPELIS

This book focuses on near-zero energy buildings (NZEBs), smart communities and microgrids. In this context, demand response (DR) is associated with significant environmental and economic benefits when looking at how electricity grids, communities and buildings can operate optimally. In DR, the consumer becomes a prosumer with an important active role in the exchange of energy on an hourly basis. DR is gradually gaining ground with respect to the reduction of peak loads, grid balancing and dealing with the volatility of renewable energy sources (RES). This transition calls for high environmental awareness and new tools or services that will improve the dynamic as well as secure multidirectional exchange of energy and data. Overall, DR is identified as an important field for technological and market innovations aligned with climate change mitigation policies and the transition to sustainable smart grids in the foreseeable future. Smart Buildings, Smart Communities and Demand Response provides an insight into various intrinsic aspects of DR potential, at the building and the community level.

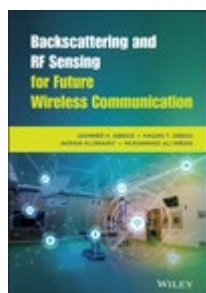


MAY 2021 208PP  
978-1-78630-426-1 CL \$165.00 (Japan)  
Communication Technology

## Backscattering and RF Sensing for Future Wireless Communication

EDITOR QAMMER H. ABBASI, EDITOR HASAN TAHIR ABBAS,  
EDITOR AKRAM ALOMAINY & EDITOR MUHAMMAD ALI IMRAN

We are at a stage at which evolution in the field of wireless communications not only requires futuristic technologies but a change of mindset of how the environment interacts with these technologies. The deployment of next-generation wireless networks, particularly in the millimetre wave frequency range, poses significant challenges. Whilst there have been numerous technologies proposed to improve the efficiency of a wireless communication system, the current state-of-the-art is not yet sufficiently mature to deploy commercial, large-scale networks. Backscattering of the wireless signal using intelligent planar structures has recently emerged as the most exciting technique to improve a wireless network's performance, through which the channel characteristics can be sensed. This can be utilized to reconfigure the channel resulting in better quality of service. This book provides in-depth coverage of the fundamental physics behind these intelligent planar structures, and assesses the enhancement of the performance of a communication network in challenging environments such as a densely populated urban area.



MAY 2021 250PP  
978-1-119-69565-3 CL \$135.00 (Japan)  
Mobile & Wireless Communications

## Management of Data Center Networks

NADJIB AIT SAADI

This book examines different aspects of Data Center Networks (DCNs) and describes the special techniques in managing this kind of network. DCN becomes increasingly popular with the advent of cloud computing and multimedia social networks employing new transmission technologies such as 5G wireless and wireless fiber. The book begins with the lead editor setting the stage in the introduction and first chapter, followed by chapters written by other experts covering the various aspects of DCN. These topics include routing and reliability of inter-data center networks, energy management, security, and more.

SERIES: IEEE PRESS SERIES ON NETWORKS AND SERVICE  
MANAGEMENT

MAY 2021 160PP  
978-1-119-64742-3 CL \$110.00 (Japan)  
Mobile & Wireless Communications

## Mobile Communications Systems Development

A Practical Introduction to System Understanding, Implementation and Deployment

RAJIB TAID

**Provides a thorough introduction to the development, operation, maintenance, and troubleshooting of mobile communications systems**

*Mobile Communications Systems Development: A Practical Approach for System Understanding, Implementation and Deployment* is a comprehensive "how to" manual for mobile communications system design, deployment, and support. Providing a detailed overview of end-to-end system development, the book encompasses operation, maintenance, and troubleshooting of currently available mobile communication technologies and systems. Readers are introduced to different network architectures, standardization, protocols, and functions including 2G, 3G, 4G, and 5G networks, and the 3GPP standard.



In-depth chapters cover the entire protocol stack from the Physical (PHY) to the Application layer, discuss theoretical and practical considerations, and describe software implementation based on the 3GPP standardized technical specifications. The book includes figures, tables, and sample computer code to help readers thoroughly comprehend the functions and underlying concepts of a mobile communications network. Each chapter includes an introduction to the topic and a chapter summary. A full list of references, and a set of exercises are also provided at the end of the book to test comprehension and strengthen understanding of the material.

*Mobile Communications Systems Development* is perfect for graduate and postdoctoral students studying mobile communications and telecom design, electronic engineering undergraduate students in their final year, research and development engineers, and network operation and maintenance personnel.

MAY 2021 600PP  
978-1-119-77868-4 CL \$145.00 (Japan)  
Mobile & Wireless Communications

## Automated Vehicles and MaaS

Removing the Barriers

BOB WILLIAMS

**A topical overview of the issues facing automated driving systems and Mobility as a Service, identifies the obstacles to implementation and offers potential solutions**



Advances in cooperative and automated vehicle (CAV) technologies, cultural and socio-economic shifts, measures to combat climate change, social pressures to reduce road deaths and injuries, and changing attitudes toward self-driving cars, are creating new and exciting mobility scenarios worldwide. However, many obstacles remain and are compounded by the consequences of COVID-19. Mobility as a Service (MaaS) integrates various forms of public and private transport services into a single on-demand mobility service. Combining trains, cars, buses, bicycles, and other forms of transport, MaaS promises a convenient, cost-effective, and eco-friendly alternative to private automobiles. *Automated Vehicles and MaaS: Removing the Barriers* is an up-to-date overview of the contemporary challenges facing CAVs and MaaS. Written in a clear and accessible style, this timely volume summarizes recent research studies, describes the evolution of automated driving systems and MaaS, identifies the barriers to their widespread adoption, and proposes potential solutions to overcome and remove these barriers. The text focuses on the claims, realities, politics, new organizational roles, and implementation problems associated with CAVs and MaaS—providing industry professionals, policymakers, planners, administrators, and investors with clear understanding of the issues facing the introduction of automated driving systems and MaaS.

*Automated Vehicles and MaaS: Removing the Barriers* is an essential resource for transport providers, vehicle manufacturers, urban and transport planners, students of transportation, vehicle technology, and urban planning, and transport policy and strategy managers, advisors, and reviewers.

SERIES: WILEY – IEEE

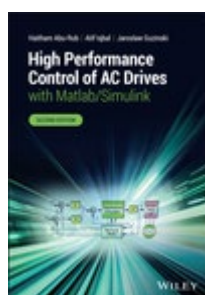
MAY 2021 300PP  
978-1-119-76534-9 CL \$130.00 (Japan)  
Control Systems Technology

## High Performance Control of AC Drives with Matlab/Simulink

2nd Edition

HAITHAM ABU-RUB, ATIF IQBAL & JAROSLAW GUZINSKI

Texas A&M University at Qatar; Aligarh Muslim University;  
Gdansk University of Technology



The 2nd edition of the book will include some new and popular topics related to AC motor drive systems, including a chapter dedicated to “Medium Voltage Drives”, which will cover the state-of-the-art and new challenges in the industrial drive system. In present practice, high power, medium voltage drive is popular in industries. Different components, their design, modelling, control and simulation of “Medium Voltage Drives” will also be included. A new class of inverter (DC-AC converter) called impedance source inverter (Z-source) is becoming popular for use in solar Photovoltaic application and, due to increasing use of Z-source inverters in such applications, a chapter on this topic will also be in the new edition. Fault detection and diagnosis of motors is an integral part of any large power drive systems. Condition monitoring of electric motors became a popular research topic in the past decade, due to increasing demand for continuous operation in mechanical drive applications. Considering the importance of fault monitoring and diagnosis, one new chapter will be included.

MAY 2021 600PP  
978-1-119-59078-1 CL \$120.00 (Japan)  
CONTROL SYSTEMS TECHNOLOGY

## Forward and Inverse Scattering Algorithms Based on Contrast Source Integral Equations

PETER M. VAN DEN BERG

**A guide to wave-field computational methods based on contrast source type of integral equations**



*Forward and Inverse Scattering Algorithms Based on Contrast Source Integral Equations* presents a text that examines wave-field computational methods based on contrast source type of integral equations and the computational implementation in wave-field based imaging methods. Written by a noted expert on the topic, the book provides a guide to efficient methods for calculating wave fields in a known inhomogeneous medium. The author provides a link between the fundamental scattering theory and its discrete counterpart and discusses the forward scattering problem based on the contrast-source integral equations.

The book fully describes the calculation of wave fields inside and outside a scattering object with general shape and material property and reviews the inverse scattering problem, in which material properties are resolved from wave-field measurements outside the scattering object. The theoretical approach is the inverse of the forward scattering problem that determines how radiation is scattered, based on the scattering object.

Written for students, researchers, and professionals, *Forward and Inverse Scattering Algorithms Based on Contrast Source Integral Equations* offers a guide to wave-field computational methods based on contrast source type of integral equations and the computational implementation in wave-field based imaging methods.

MAY 2021 544PP  
978-1-119-74154-1 CL \$150.00 (Japan)  
Electromagnetic Theory



## Inverse Synthetic Aperture Radar Imaging With MATLAB Algorithms

2nd Edition

CANER OZDEMIR

**Build your knowledge of SAR/ISAR imaging with this comprehensive and insightful resource**

The newly revised Second Edition of *Inverse Synthetic Aperture Radar Imaging with MATLAB Algorithms* covers in greater detail the fundamental and advanced topics necessary for a complete understanding of inverse synthetic aperture radar (ISAR) imaging and its concepts. Distinguished author and academician, Caner Özdemir, describes the practical aspects of ISAR imaging and presents illustrative examples of the radar signal processing algorithms used for ISAR imaging. The topics in each chapter are supplemented with MATLAB codes to assist readers in better understanding each of the principles discussed within the book.

This new edition includes discussions of the most up-to-date topics to arise in the field of ISAR imaging and ISAR hardware design. The book provides a comprehensive analysis of advanced techniques like Fourier-based radar imaging algorithms, and motion compensation techniques along with radar fundamentals for readers new to the subject.

Perfect for graduate students in the fields of electrical and electronics engineering, electromagnetism, imaging radar, and physics, *Inverse Synthetic Aperture Radar Imaging With MATLAB Algorithms* also belongs on the bookshelves of practicing researchers in the related areas looking for a useful resource to assist them in their day-to-day professional work.

SERIES: WILEY SERIES IN MICROWAVE AND OPTICAL ENGINEERING

MAY 2021 560PP  
978-1-119-52133-4 CL \$135.00 (Japan)  
Imaging Systems & Technology



## Antenna and Sensor Technologies in Modern Medical Applications

YAHYA RAHMAT-SAMII & ERDEM TOPSAKAL

University of California at Los Angeles

**A guide to the theory and recent development in the medical use of antenna technology**

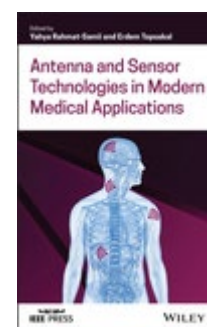
*Antenna and Sensor Technologies in Modern Medical Applications* offers a comprehensive review of the theoretical background, design, and the latest developments in the application of antenna technology. Written by two experts in the field, the book presents the most recent research in the burgeoning field of wireless medical telemetry and sensing that covers both wearable and implantable antenna and sensor technologies.

The authors review the integrated devices that include various types of sensors wired within a wearable garment that can be paired with external devices. The text covers important developments in sensor-integrated clothing that are synonymous with athletic apparel with built-in electronics. Information on implantable devices is also covered. The book explores technologies that utilize both inductive coupling and far field propagation. These include minimally invasive microwave ablation antennas, wireless targeted drug delivery, and much more.

Written for students of engineering and antenna and sensor engineers, *Antenna and Sensor Technologies in Modern Medical Applications* is an essential guide to understanding human body interaction with antennas and sensors.

SERIES: WILEY – IEEE

MAY 2021 560PP  
978-1-119-68330-8 CL \$155.00 (Japan)  
Sensors, Instrumentation & Measurement



## Embedded Digital Control with Microcontrollers

Implementation with C and Python

CEM UNSALAN, DUYGUN E. BARKANA & HUSEYIN D. GURHAN

**Explore a concise and practical introduction to implementation methods and the theory of digital control systems on microcontrollers**

*Embedded Digital Control: Implementation on ARM Cortex-M Microcontrollers* delivers expert instruction in digital control system implementation techniques on the widely used ARM Cortex-M microcontroller. The accomplished authors present the included information in three phases. First, they describe how to implement prototype digital control systems via the Python programming language in order to help the reader better understand theoretical digital control concepts.

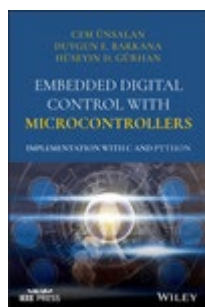
Second, the book offers readers direction on using the C programming language to implement digital control systems on actual microcontrollers. This will allow readers to solve real-life problems involving digital control, robotics, and mechatronics.

Finally, readers will learn how to merge the theoretical and practical issues discussed in the book by implementing digital control systems in real-life applications. Throughout the book, the application of digital control systems using the Python programming language ensures the reader can apply the theory contained within.

Perfect for undergraduate students in electrical engineering, *Embedded Digital Control: Implementation on ARM Cortex-M Microcontrollers* will also earn a place in the libraries of professional engineers and hobbyists working on digital control and robotics systems seeking a one-stop reference for digital control systems on microcontrollers.

SERIES: WILEY – IEEE

MAY 2021 384PP  
978-1-119-57652-5 CL \$135.00 (Japan)  
Embedded Systems & Smart Cards



## Microcontroller Prototypes with Arduino and a 3D Printer

Learn, Program, Manufacture

DIMOSTHENIS E. BOLANAKIS

**Discover a complete treatment of microcomputer programming and application development with Arduino and 3D printers**

*Microcontroller Prototypes with Arduino and a 3D Printer: Learn, Program, Manufacture* delivers a comprehensive guide to learning microcontrollers that's perfectly suited to educators, researchers, and manufacturers. The book provides readers with a seasoned expert's perspective on the process of microcomputer programming and application development. Carefully designed and written example code and explanatory figures accompany the text, helping the reader fully understand and retain the concepts described within.

The book focuses on demonstrating how to craft creative and innovative solutions in embedded systems design by providing practical and illustrative methods and examples. An accompanying website includes functioning and tested source code and learning exercises and the book relies on freeware development tools for the creation of firmware and software code, 3D printed enclosures, and debugging. It allows the reader to work with modern sensors and collect sensor data to a host PC for offline analysis.

Perfect for researchers and undergraduate students in electrical and electronic engineering or computer engineering, *Microcontroller Prototypes with Arduino and a 3D Printer: Learn, Program, Manufacture* will also earn a place in the libraries of hardware engineers, embedded system designers, system engineers, and electronic engineers.



MAY 2021 380PP  
978-1-119-78261-2 CL \$99.00 (Japan)  
Embedded Systems & Smart Cards



## エネルギー

**Microwave Circuit Design Using Linear and Nonlinear Techniques**

3rd Edition

GEORGE D. VENDELIN, ANTHONY M. PAVIO, ULRICH L. ROHDE  
& MATTHIAS RUDOLPH

Vendelin Engineering; Arizona; Synergy Microwave Corp.

This is the third edition of a successful book on microwave circuit design. The book covers all aspects of transistors, from their intrinsic and circuit properties to circuit design techniques for maximizing their performance in communication and radar systems. This edition places specific emphasis on CMOS technology. GaN, SiC and related materials on frequency range and feedback power amplifiers will be extended and updated to the millimeter range region. Includes a new chapter on microelectromechanical systems (MEMS), a new section on CMOS, GaN, and SiC noise models, and new sections on Leeson's and SiC-based power oscillator models and applications to real circuits.

MAY 2021 1088PP  
978-1-118-44975-2 CL \$199.00 (Japan)  
RF / MICROWAVE THEORY & TECHNIQUES**Coal-Fired Power Generation Handbook**

2nd Edition

JAMES G. SPEIGHT, LARAMIE, UNITED STATES

CD-WINC, Laramie, Wyoming

Coal accounts for approximately one quarter of world energy consumption and of the coal produced worldwide approximately 65% is shipped to electricity producers and 33% to industrial consumers, with most of the remainder going to consumers in the residential and commercial sectors. The total share of total world energy consumption by coal is expected to increase to almost 30% in 2035.

This book describes the challenges and steps by which electricity is produced from coal and deals with the challenges for removing the environmental objections to the use of coal in future power plants. New technologies are described that could virtually eliminate the sulfur, nitrogen, and mercury pollutants that are released when coal is burned for electricity generation. In addition, technologies for the capture of greenhouse gases emitted from coal-fired power plants are described and the means of preventing such emissions from contributing to global warming concerns. Written by one of the world's leading energy experts, this volume is a must-have for any engineer, scientist, or student working in this field, providing a valuable reference and guide in a quickly changing field.

SERIES: POWER GENERATION

MAY 2021 784PP  
978-1-119-51010-9 CL \$249.00 (Japan)  
COAL

## 環境科学

**Ecosystem Crises Interactions**

Human Health and the Changing Environment

MERRILL SINGER

University of Connecticut, USA

**Explores the human impacts on environment that lead to serious ecological crises, an innovative resource for students, professionals, and researchers alike**

*Perils of Eco-Crises Interaction: Human Health and the Changing Environment* provides a timely and innovative framework for understanding how negative human activity impacts the environment, and how seemingly disparate factors connect to, and magnify, hazardous consequences under a changing climate. Presenting a coherent, holistic perspective to the subject, this compelling textbook and reference examines the diverse, often unexpected links that connect our complex world in context of global climate change.

The text illustrates how eco-crisis interaction--the synergistic interface of two or more environmental events or pollutants--can multiply to produce harmful health effects that are greater than their additive impact. This concept is highlighted through numerous real and relatable examples, from the use of sediment rock in hydraulic and drinking water filtration systems, to the connections between human development and crises such as deforestation, emergent infectious diseases, and global food insecurity. Throughout the text, specific examples present opportunities to consider broader questions about the extinction of species, populations, and ways of life.

*Perils of Eco-Crises Interaction: Human Health and the Changing Environment* is an ideal textbook for advanced undergraduate and graduate students in courses including public and allied health, environmental studies, medical ecology, medical anthropology, and geo-health, and a valuable reference for researchers, practitioners, and policy makers in fields such as environmental health, global and planetary health, public health, climate change, and medical social science.

MAY 2021 UnknownPP  
978-1-119-56954-1 CL \$124.95 (Japan)  
Environmental Change

**Reconstructing Earth's Climate History**

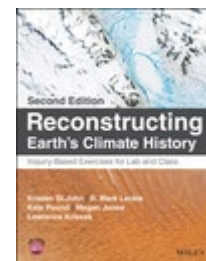
Inquiry-Based Exercises for Lab and Class

2nd Edition

KRISTEN ST. JOHN

James Madison University

MAY 2021 400PP  
978-1-119-54411-1 PB \$95.00 (Japan)  
CLIMATOLOGY & PALEOCLIMATOLOGY



## ファイナンス／インベストメント

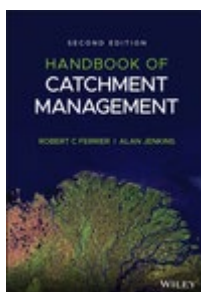
**Handbook of Catchment Management**

2nd Edition

EDITOR ROBERT C. FERRIER &amp; EDITOR ALAN JENKINS

The Macaulay Institute; NERC Centre for Ecology and Hydrology

MAY 2021 560PP  
 978-1-119-53122-7 CL \$175.00 (Japan)  
 Fluvial Hydrology & Limnology

**Selenium Contamination in Water**

POOJA DEVI, PARDEEP SINGH, ARINDAM MALAKAR &amp; DANIEL SNOW

MAY 2021 352PP  
 978-1-119-69345-1 CL \$190.00 (Japan)  
 Water Resource Management

**ESG Investing For Dummies**

BRENDAN BRADLEY &amp; WILL OULTON

**Your guide to investing for a more sustainable world**



Investing in one's own future has always been a good financial move. But what if you want to ensure that the companies you have a financial interest in are also helping to improve the present and future of all of us--and of the planet? More than ever before, sustainable investors want to be confident that a company's Environmental (net zero emissions target), Social (response to the Covid-19 pandemic), and Governance (no repeats of Enron and WorldCom) policies and actions are positively impacting the global outlook--and to identify ways that their dollar can incentivize business leaders to do even better. The worldwide rise of an Environmental, Socially Responsible, and Governance (ESG) approach to investing shows you're not alone, and the \$30+ trillion--and growing--committed in this way says it's already become a transformative global movement. ESG provides a framework for evaluating companies that, unlike unrelated investment strategies, informs and guides sustainable investment.

Even if you're a novice investor, *ESG For Dummies* will allow you to hit this new investing landscape running, providing you with measurable ways to factor ESG into company performance, see how these are reflected in your investment return, and show how you can monitor companies to ensure your money is being put to ethical use. You'll also become familiar with the big names to follow in the ESG world, how they're already effecting positive change, and how you can help.

ESG investing introduces powerful tools to do real and lasting good: this book shows you how to use them to help make everyone's future, including your own, much more secure.

MAY 2021 UnknownPP  
 978-1-119-77109-8 PB \$29.99 (Japan)  
 General Finance & Investments

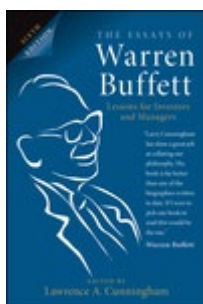
## The Essays of Warren Buffett

Lessons for Investors and Managers

6th Edition

EDITOR LAWRENCE A. CUNNINGHAM, WASHINGTON, DC, UNITED STATES

As in previous editions of *The Essays of Warren Buffett*, this one retains the architecture and philosophy of the original edition but adds selections from Warren Buffett's most recent annual shareholder letters. All the letters are woven together into a fabric that reads as a complete and coherent narrative of a sound business and investment philosophy. As an aid to all readers, and to enable readers of the previous editions to see what is new in this one, a disposition table at the end of the book shows the various places in this collection where selections from each year's letter appear. Footnotes throughout indicate the year of the annual report from which essays are taken. To avoid interrupting the narrative flow, omissions of text within excerpts are not indicated by ellipses or other punctuation. This new edition is called for not because anything has changed about the fundamentals of Buffett's sound business and investment philosophy but because articulation of that philosophy is always delivered in the context of contemporary events and business conditions so periodic updating is warranted to maintain its currency



MAY 2021 352PP  
978-1-119-80327-0 PB \$22.50 (Japan)  
GENERAL FINANCE & INVESTMENTS

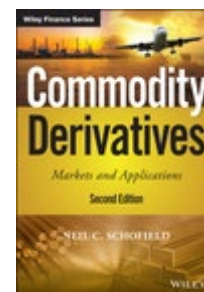
## Commodity Derivatives

Markets and Applications, 2nd Edition

NEIL C. SCHOFIELD

Barclays Capital

**The essential guide to commodity markets, mechanisms, drivers of price and the associated derivatives**



*Commodity Derivatives* is a complete and accessible reference for anyone studying or working with commodities. By examining commodities individually in the context of their own unique market structures, you'll gain a deeper understanding of the many factors and mechanisms at work; patterns of supply and demand, price fluctuations and products are discussed in detail, along with main market risks and hedging along the supply chain. This new second edition features new and expanded coverage of OIS valuation, spread options, options smiles and skews, theories of price formation, project finance, climate change, emissions trading, agricultural markets, index structures and much more.

Primarily focused on over-the-counter structures, this book provides detailed coverage of both hard and soft commodities. Supply chain risk and hedging is followed by exposure and hedging in structuring banks, followed by an in-depth look at wholesale OTC investment structures. Working with commodities and derivatives requires a clear grasp of the mechanisms at work -- and the forces driving them -- and this book provides invaluable reference for the modern markets.

Commodities and their associated derivatives are one of the financial markets' major foundations; the derivatives market is estimated at \$1.2 quadrillion. To work within this space effectively, you need an essential understanding of the markets, their movements and their drivers; *Commodity Derivatives* provides a comprehensive reference for the field.

SERIES: THE WILEY FINANCE SERIES

MAY 2021 400PP  
978-1-119-34910-5 CL \$85.00 (Japan)  
INSTITUTIONAL & CORPORATE FINANCE

## Warren Buffett

### Inside the Ultimate Money Mind

ROBERT G. HAGSTROM

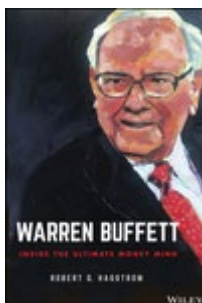
In *Warren Buffett: Inside the Ultimate Money Mind*, Hagstrom breaks new ground with a deep analysis of Buffett's essential wisdom, an intricate mosaic of wide-ranging ideas and insights that Buffett calls a Money Mind.

What exactly is a Money Mind? At one level, it's a way of thinking about major financial issues such as capital allocation. At another level, it summarizes an overall mindset for successfully investing in today's fast-paced stock market, a mindset that depends on a commitment to learning, adapting, and facing down irrelevant noise.

This is not a method book. It is a thinking book.

*Warren Buffett: Inside the Ultimate Money Mind* explains the philosophies of self-reliance, stoicism, rationalism, and pragmatism and their contributions to making intelligent investment decisions. It also outlines the evolution of value investing, discusses how to develop a business-driven investing mindset, and describes the defining traits of successful active management. Lastly, it examines the surprising aspects of a Money Mind -- sportsman, teacher, and artist.

In short, *Warren Buffett: Inside the Ultimate Money Mind* helps readers understand the building blocks that go into making a Money Mind so they can begin to incorporate its principles in the service to a life of value.



MAY 2021 272PP  
978-1-119-71459-0 CL \$29.95 (Japan)  
INVESTMENTS & SECURITIES

## Quantitative Reverse Stress Testing

### Hunting for the Black Swan

ASSAD BOUAYOUN

**A practitioner's guide to quantitative reverse stress testing, featuring advanced solutions for better management of financial risks**

Whether you manage a portfolio, a business unit or a bank, you must ensure that a sudden shock in the markets won't drive you out of business because of a large loss, a jump in capital utilisation or an increase in funding consumption. In financial risk management, reverse stress testing is the attempt to identify worst case scenarios causing maximum financial loss. Traditional stress testing methods have failed to avert the last financial crisis or highlight financial distress. Every so often some regulators and risk managers specify stress scenarios with simplifications that create a false sense of safety. To avoid a combinatorial explosion, a number of arbitrary choices are usually made in relation to the level of each shock, their combination and the time horizon. These assumptions, although necessary, limit the effectiveness of this technique.

*Quantitative Reverse Stress Testing: Hunting for the Black Swan* offers a more natural approach to identifying the realistic scenario provoking the largest losses. It also provides a means to understand the impact of extreme events and how to mitigate them while introducing technological advances and the adapted mathematical tools that have made it possible to solve this type of quantitative finance problems. You'll see how mitigation strategies can be more accurate and better targeted, reducing risk, cost of funding and regulatory capital. With this book, you'll have access to a comprehensive guide to crucial aspects of reverse stress testing.

If it's time to move your approach to reverse stress testing forward, this guide offers real solutions to optimisation and cost issues. Get a guide that supports a more informed approach to testing and financial risk management as it helps to protect vital business interests.



SERIES: THE WILEY FINANCE SERIES

MAY 2021 220PP  
978-1-119-62105-8 CL \$90.00 (Japan)  
Finance & Investments Special Topics

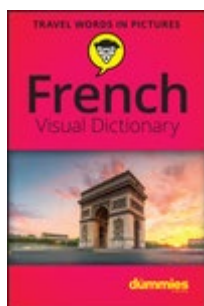
## 外国語

## French Visual Dictionary For Dummies

CONSUMER DUMMIES

Wiley

*French Visual Dictionary For Dummies* helps travelers and language learners reinforce concepts visually. By pairing the English and French words with a corresponding image, readers can quickly and easily translate new vocabulary. The travel companion book is organized by theme, including:



- Transportation
- Saying hello
- In the city vs. in nature
- Food and restaurants
- Accommodations (bedroom, bathroom)
- Money and shopping
- Culture and sports
- Accidents and emergencies

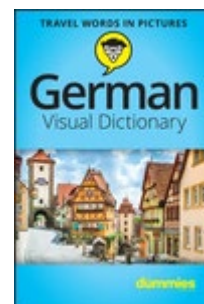
MAY 2021 UnknownPP  
978-1-119-71719-5 PB \$12.99 (Japan)  
General Foreign Languages

## German Visual Dictionary For Dummies

CONSUMER DUMMIES

Wiley

*German Visual Dictionary For Dummies* helps travelers and language learners reinforce concepts visually. By pairing the English and German words with a corresponding image, readers can quickly and easily translate new vocabulary. The travel companion book is organized by theme, including:



- Transportation
- Saying hello
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- Food and restaurants
- Accommodations (bedroom, bathroom)
- Money and shopping
- Culture and sports
- Accidents and emergencies

MAY 2021 UnknownPP  
978-1-119-71714-0 PB \$12.99 (Japan)  
General Foreign Languages



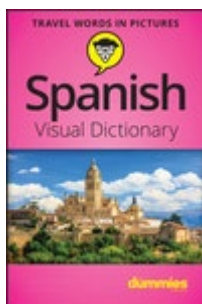
## Spanish Visual Dictionary For Dummies

CONSUMER DUMMIES

Wiley

*Spanish Visual Dictionary For Dummies* helps travelers and language learners reinforce concepts visually. By pairing the English and Spanish words with a corresponding image, readers can quickly and easily translate new vocabulary. The travel companion book is organized by theme, including:

- Transportation
- Saying hello
- In the city vs. in nature
- Food and restaurants
- Accommodations (bedroom, bathroom)
- Money and shopping
- Culture and sports
- Accidents and emergencies



MAY 2021 UnknownPP  
978-1-119-71712-6 PB \$12.99 (Japan)  
General Foreign Languages

## Advanced Fermentation and Cell Technology

BYONG H. LEE

Jiangnan University, Wuxi, China; McGill University, Montreal, QC, Canada

**A comprehensive and up-to-date reference covering both conventional and novel industrial fermentation technologies and their applications**

Fermentation and cell culture technologies encompass more than the conventional microbial and enzyme systems used in the agri-food, biochemical, bioenergy and pharmaceutical industries. New technologies such as genetic engineering, systems biology, protein engineering, and mammalian cell and plant cell systems are expanding rapidly, as is the demand for sustainable production of bioingredients, drugs, bioenergy and biomaterials. As the growing biobased economy drives innovation, industrial practitioners, instructors, researchers, and students must keep pace with the development and application of novel fermentation processes and a variety of cell technologies.



*Advanced Fermentation and Cell Technology* provides a balanced and comprehensive overview of the microbial, mammalian, and plant cell technologies used by the modern biochemical process industry to develop new and improved processes and products. This authoritative volume covers the essential features of advanced fermentation and cell technology, and highlights the interaction of food fermentation and cell culture biopharmaceutical actives. Detailed chapters, organized into five sections, cover microbial cell technology, animal and plant cell technology, safety issues of new biotechnologies, and applications of microbial fermentation to food products, chemicals, and pharmaceuticals. *Advanced Fermentation and Cell Technology* is an ideal resource for students of food science, biotechnology, microbiology, agricultural sciences, biochemical engineering, and biochemistry, and is a valuable reference for food scientists, researchers, and technologists throughout the food industry, particularly the dairy, bakery, and fermented beverage sectors.

MAY 2021 960PP  
978-1-119-04276-1 CL \$345.00 (Japan)  
Food Biotechnology



## 公衆衛生

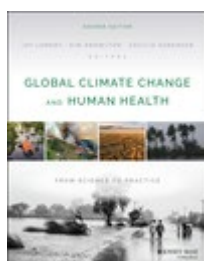
**Global Climate Change and Human Health**

From Science to Practice, 2nd Edition

JAY LEMERY, KIM KNOWLTON &amp; CECILIA SORENSON

Learn more about the impact of global warming and climate change on human health and disease

The Second Edition of *Global Climate Change and Human Health* delivers an accessible and comprehensive exploration of the rapidly accelerating and increasingly ubiquitous effects of climate change and global warming on human health and disease. The distinguished and accomplished authors discuss the health impacts of the economic, climatological, and geopolitical effects of global warming.



You'll learn about:

- The effect of extreme weather events on public health and the effects of changing meteorological conditions on human health
- How changes in hydrology impact the spread of waterborne disease and noninfectious waterborne threats
- Adaptation to, and the mitigation and governance of, climate change, including international perspectives on climate change adaptation

Perfect for students of public health, medicine, nursing, and pharmacy, *Global Climate Change and Human Health*, Second Edition is an invaluable resource for anyone with an interest in the intersection of climate and human health and disease.

MAY 2021 672PP  
978-1-119-66795-7 PB \$85.00 (Japan)  
INTERNATIONAL PUBLIC HEALTH

## 歴史

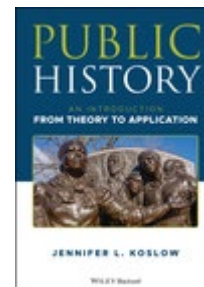
**Public History**

An Introduction from Theory to Application

JENNIFER L. KOSLOW

**Provides a background in the history, principles, and practices of the field of public history.**

*Public History: An Introduction from Theory to Application* is the first text of its kind to offer both historical background on the ways in which historians have collected, preserved, and interpreted history with and for public audiences in the United States since the nineteenth century to the present and instruction on current practices of public history. This book helps us recognize and critically evaluate how, why, where, and who produces history in public settings.



This unique textbook provides a foundation for students advancing to a career in the types of spaces--museums, historic sites and spaces, heritage tourism, and archives--that require an understanding of public history. It offers a review of the various types of methodologies that are commonly employed including oral history and digital history. The author also explores issues of monuments and memory upon which public historians are increasingly called to comment. Lastly, the textbook includes a section on questions of ethics that public historians must face in their profession. This important book:

- Contains a synthetic history on the significant individuals and events associated with museums, historic preservation, archives, and oral history.
- Includes exercises for putting theory into practice
- Designed to help us uncover hidden histories, construct interpretations, create a sense of place, and negotiate contested memories
- Offers an ideal resource for students set on working in museums, historic sites, heritage tourism, and more

Written for students, *Public History: An Introduction from Theory to Application* offers in one comprehensive volume a guide to an understanding of the fundamentals of public history in the United States.

MAY 2021 224PP  
978-1-119-14674-2 PB \$39.95 (Japan)  
General & Introductory History

## Asia Past and Present

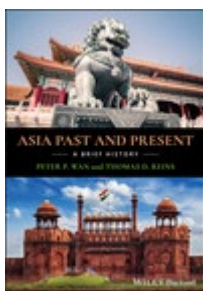
### A Brief History

PETER P. WAN & THOMAS D. REINS

Fullerton College

**A wide-ranging introduction to the multi-faceted history of Asia--from early origins to the present**

*Asia Past and Present* is an expansive survey of the social, political, and economic history of the continent from the Paleolithic era to the early 21<sup>st</sup> century. As there is no physically discrete continent, rather an arbitrary division of the Eurasian landmass, this book focuses on terrain that encompasses India, Pakistan, Afghanistan, Central Asia, China, Korea, Japan, Mongolia, the Russian Far East, and Southeast Asia--the area which most modern scholars identify as Asia.



Offering broad chronological and topical coverage of Asia, this book examines subjects including written languages, religions and philosophies, concepts of monarchy, militarism, independence and nation building, and more. Particular focus is placed on the varying levels of influence the core cultures of India and China have had on the continent in a multitude of socio-political areas. Historical dialogues of how colonies, later emerging nations, blended traditional Asian culture and Western political and economic models of modernization complement contemporary discussions of globalization, nuclear tensions, and growing demands for greater individual freedom.

*Asia Past and Present: A Brief History* is a valuable resource for undergraduate courses where Asian cultures are introduced, and in courses on Asian politics, diplomacy, environmental issues, and socio-economics.

MAY 2021 528PP  
978-1-118-95518-5 PB \$39.95 (Japan)  
Asian & Australasian History

## The Birth of Modern America, 1914 - 1945

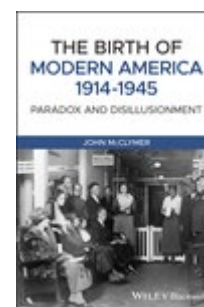
### Paradox and Disillusionment, 2nd Edition

JOHN MCCLYMER

Assumption College

**Provides a look at the origins of the culture wars of modern America and the political and economic transformation of the U.S. republic**

This book tells, in clear and lively prose, how Americans struggled with modernity in both its cultural and economic forms between the start of World War I and the end of World War II, focusing on the 1920s through 1930s. This edition includes revisions that expand the scope and features increased coverage of topics that will be of great interest to new readers as well as those familiar with the subject.



*The Birth of Modern America, 1914-1945, Second Edition* begins with a discussion of the promises and perils of the progressive era. The book goes on to look at the Great War and life on the home front and explores many paradoxes that marked the birth of Modern America. Topics covered include: the pervasive racism and nativism during and after WWI; the disillusionment with Woodrow Wilson's rhetorical idealism; the emergence of national media; the Great Depression; FDR and the New Deal; the attack on Pearl Harbor; Hollywood's part during World War II; the United States' decision to drop "the bomb" on Japan; and more.

*The Birth of Modern America, 1914-1945* is an excellent book for undergraduate courses on the 20th Century and advanced placement courses. It will benefit all students and scholars of the Progressive Era, the Depression, 1920s and 1930s America, and America between the Wars.

MAY 2021 UnknownPP  
978-1-119-08153-1 PB \$36.25 (Japan)  
20TH CENTURY AMERICA

## The British Prime Minister in an Age of Upheaval

MARK GARNETT

**READERSHIP:** Students of British Politics and general readers interested in UK current affairs, politics and modern history.

MAY 2021 288PP  
978-1-5095-3935-2 CL \$60.00 (Japan)  
978-1-5095-3936-9 PB \$28.95 (Japan)  
20th Century & Contemporary British History



## Reformation Thought

An Introduction, 5th Edition

ALISTER E. MCGRATH

University of Oxford

This book provides an up to date introduction to the leading religious ideas of the European Reformation, and is based on the author's lectures on Reformation Thought at Oxford University. Building on the success of four previous editions of this work, the text introduces readers to the core ideas of leading Reformation thinkers such as Martin Luther and John Calvin. It is an ideal introduction to the central ideas of the European reformations for students of theology and history. Written by the bestselling author and world-famous theologian, Alister McGrath, this engaging guide is accessible to students with no prior knowledge of Christian theology. Each chapter includes detailed suggestions for further reading.

MAY 2021 328PP  
978-1-119-75658-3 PB \$49.95 (Japan)  
Reformation & Renaissance Religious History

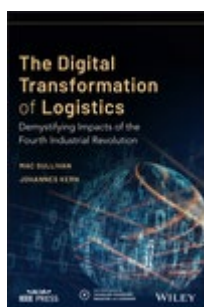
## エンジニアリング

**The Digital Transformation of Logistics**

Demystifying Impacts of the Fourth Industrial Revolution

MAC SULLIVAN & JOHANNES KERN

The digital transformation is in full swing and fundamentally changes how we live, work, and communicate with each other. From retail to finance, many industries see an inflow of new technologies, disruption through innovative platform business models, and employees struggling to cope with the significant shifts occurring. This Fourth Industrial Revolution is predicted to also transform Logistics and Supply Chain Management, with delivery systems becoming automated, smart networks created everywhere, and data being collected and analyzed universally. *The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution* provides a holistic overview of this vital subject clouded by buzz, hype, and misinformation.



*The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution* provides realistic insights, a ready-to-use knowledge base, and a working vocabulary about current activities and emerging trends of the Logistics industry. Intended readers are supply chain professionals working for manufacturing, trading, and freight forwarding companies as well as students and all interested parties.

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

MAY 2021 512PP  
978-1-119-64639-6 PB \$110.00 (Japan)  
Engineering Technology Management

## ホスピタリティ

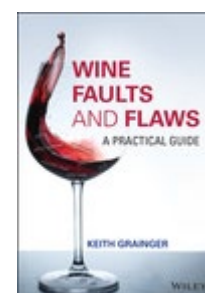
**Wine Faults and Flaws**

A Practical Guide

KEITH GRAINGER

Wine Educator

The book will comprise a detailed examination of faults and flaws that can impact upon the quality of wines. There are some faults that render wines unsaleable and undrinkable and others that have a negative effect upon quality and enjoyment. Each fault is discussed as follows:



1. What it is, in basic terms
2. How is it detected by: a) sensory recognition; and b) laboratory analysis
3. What is the cause?
4. At which stage/s of production, maturation or storage can it occur?
5. Can it be prevented?
6. Can it be rectified?
7. Detailed science including research

Each topic will be examined in both practical and scientific terms. There will also be discussion of detection of faults by tasting and laboratory analysis, and good practice in the vineyard and winery to prevent faults from occurring.

MAY 2021 300PP  
978-1-118-97906-8 CL \$170.00 (Japan)  
Wines & Spirits

## ライフスタイル

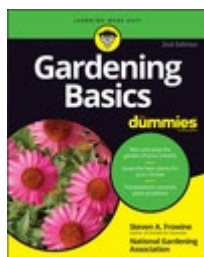
**Gardening Basics For Dummies**

2nd Edition

STEVEN A. FROWINE &amp; NATIONAL GARDENING ASSOCIATION

**Create the garden of your dreams with the right plants and equipment**

*Gardening Basics For Dummies 2e* gives gardeners tips, plans, and insider know-how for getting started with flower beds, borders, vegetables, trees, shrubs, lawns, and more. Packed with advice, resources, illustrations, and plant recommendations, this friendly guide covers all the tools that make gardening today easier than ever before!

**Updates include:**

- New section on biennials
- New section on summer flowering bulbs
- New chapter, "Multiplying Your Plants," provides more information on seed starting and other ways of multiplying plants
- Completely updated appendix detailing resources

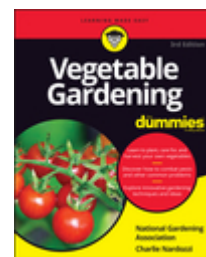
MAY 2021 UnknownPP  
978-1-119-78203-2 PB \$24.99 (Japan)  
GARDENING (GENERAL)

**Vegetable Gardening For Dummies**

3rd Edition

NATIONAL GARDENING ASSOCIATION &amp; CHARLIE NARDOZZI, SOUTH BURLINGTON

*Vegetable Gardening For Dummies*, 3rd Edition provides readers with information on how to plant, care for, harvest, and enjoy the fruits of their home gardens. It offers advice on planning a garden, environmentally friendly ways to combat pests, and tips on preserving foods grown at home.

**Updates include:**

- Expanded chapter on "edible landscape" (fruits, herbs, flowers, and unique vegetables)
- New information about 4 advanced techniques (Hugelkultur, strawbale gardening, herb spirals, aquaponics)
- Entirely updated appendix, with detailed planning guidelines and other resources

MAY 2021 UnknownPP  
978-1-119-78207-0 PB \$24.99 (Japan)  
GARDENING (GENERAL)

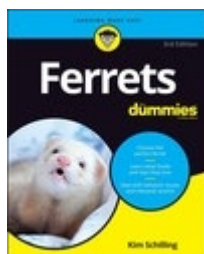
## Ferrets For Dummies

3rd Edition

KIM SCHILLING

### Everything you need to know about your playful new pet

Thinking of getting a ferret? It's not unusual--millions of people worldwide keep ferrets as pets, and they've been domesticated for around 2,500 years! While they're quiet for a lot of the day (catching up on important beauty sleep), when they're awake, they're lively, affectionate, and curious--and require lots of quality interaction with their humans. And that's why a happy ferret is a well-trained one, whose owner knows everything there is to know about its needs!



*Ferrets For Dummies, 3rd Edition* is here to make sure you become just that kind of owner, fully equipped to give your little friend the best possible home. It's packed with practical information on feeding, housing, health, medical care, and much more. You'll also find the latest on diet, dental hygiene, common ailments, and how to build an enjoyable and engaging environment for your smart, energetic new pet. There's even a section on how to get to know your ferret properly (spotting those little mood swings) and how to introduce it to play well with friends and family.

- Make sure a ferret's the pet for you
- Ferret-proof your home
- Keep a clean house
- Find the right vet

Whether you have a jill (female), a hob (male), or a full "business" of ferrets (several), *Ferrets For Dummies* helps you ferret out whatever you need to know--and ensure that your fuzzy new pal is a healthy, happy member of the household.

MAY 2021 464PP  
978-1-119-72083-6 PB \$24.99 (Japan)  
PET CARE / OTHER ANIMALS

## Raising Goats For Dummies

2nd Edition

CHERYL K. SMITH, PORT ANGELES, UNITED STATES

### No buts: discover the addictive joy of raising goats

Goats are amazing, multi-talented creatures that have been domesticated for over 10,000 years. As well as being a source of food, clothes, and milk, they're wonderful companions: cute, intelligent, and playful--and often as friendly and attentive as dogs. In addition, they make endearing noises and--according to ancient Ethiopian legend--discovered coffee. So what's holding you back? The new edition of *Raising Goats For Dummies* rebuts all your excuses, and shows you why having one--or, actually, a few--of these companionable ruminants (cud-chewing animals) in your life will bring you great joy, and, if you choose, unbeatable homemade milk and cheese--and possibly a cozy new sweater.



A happy goat aficionado since 1998, Cheryl K. Smith takes you from the grassroots of raising your goat--choosing and buying the breed you want, building and maintaining goat-friendly housing--to more elevated terrain, including how to build your own milk stand, participate in online goat shows (it's a thing!), and even monetize your goat. You'll also learn the fundamentals of proper care to make sure your goats are fed, kept healthy, and bred in ways that ensure they have the happiest life you can provide.

- Study the history and breeds of goat, like the Nigerian Dwarf or Pygmy
- Live sustainably from and even profit from your goat
- Identify and alleviate common ailments
- Have fun raising the kids!

Whether you're researching buying a goat or learning on the hoof about the ones you have, this book has everything you need to see why getting your goat will bring years and years of joy.

MAY 2021 384PP  
978-1-119-77258-3 PB \$24.99 (Japan)  
PET CARE / OTHER ANIMALS



## 言語学

**The Handbook of Speech Perception**

2nd Edition

EDITOR JENNIFER S. PARDO, EDITOR LYNNE C. NYGAARD, EDITOR  
ROBERT E. REMEZ & EDITOR DAVID B. PISONI

Barnard College; Indiana University

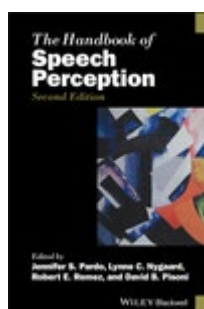
**A wide-ranging and authoritative volume exploring contemporary perceptual research on speech, updated with new original essays by leading researchers**

Speech perception is a dynamic area of study that encompasses a wide variety of disciplines, including cognitive neuroscience, phonetics, linguistics, physiology and biophysics, auditory and speech science, and experimental psychology. *The Handbook of Speech Perception, Second Edition*, is a comprehensive and up-to-date survey of technical and theoretical developments in perceptual research on human speech. Offering a variety of perspectives on the perception of spoken language, this volume provides original essays by leading researchers on the major issues and most recent findings in the field. Each chapter provides an informed and critical survey, including a summary of current research and debate, clear examples and research findings, and discussion of anticipated advances and potential research directions.

*The Handbook of Speech Perception, Second Edition*, is ideal for both specialists and non-specialists throughout the research community looking for a comprehensive view of the latest technical and theoretical accomplishments in the field.

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS

MAY 2021 768PP  
978-1-119-18408-9 CL \$185.00 (Japan)  
SPEECH SCIENCE



## ライフサイエンス

**Evolution of Island Mammals**

2nd Edition

ALEXANDRA VAN DER GEER, GEORGE LYRAS &amp; JOHN DE VOS

National and Kapodistrian University of Athens, Greece ;  
National and Kapodistrian University of Athens, Greece ;  
National Museum of Natural History, Leiden, The Netherlands

MAY 2021 642PP  
978-1-119-67573-0 CL \$115.00 (Japan)  
Evolutionary Biology



## Genetic Disorders and the Fetus

Diagnosis, Prevention and Treatment

8th Edition

AUBREY MILUNSKY & JEFF M. MILUNSKY

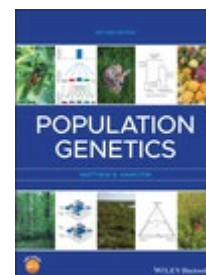
MAY 2021 1392PP  
978-1-119-67693-5 CL \$290.00 (Japan)  
HUMAN GENETICS

## Population Genetics

2nd Edition

MATTHEW HAMILTON

- A concise introduction to the concepts and applications of population genetics, from first principles to basic software modeling problems
- New end of chapter problem sets which include numerical problems, conceptual problems, applications using published data, and exercises that utilize simulation software
- New within chapter interact boxes that focus on the application of text content to published data
- Updated chapters with new content on the fixation index, gametic disequilibrium, population assignment methods, metapopulation extinction and recolonization, and recombination in the coalescent model



### READERSHIP:

Primary Market: Advanced undergraduates in biology or genetics, to expand their knowledge in population and evolutionary biology. Also first year graduate students in ecology, evolutionary biology, and agricultural genetics. Secondary Market: Advanced undergraduates and first year graduate students in molecular biology and population-oriented medical genetics

MAY 2021 496PP  
978-1-118-43694-3 CL \$99.99 (Japan)  
HUMAN GENETICS

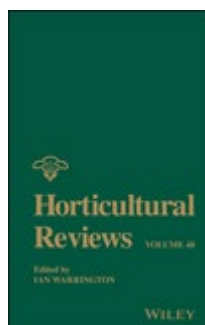
## Horticultural Reviews

Volume 48

SERIES EDITOR IAN  
WARRINGTON

SERIES: HORTICULTURAL  
REVIEWS

MAY 2021 480PP  
978-1-119-75077-2 CL \$245.00 (Japan)  
Plant Science



## The Root Systems in Sustainable Agricultural Intensification

EDITOR ZED RENGEL & EDITOR IVICA DJALOVIC

Improved root systems capable of efficient acquisition of water and nutrients from soils underpin increased efficiency of utilisation of soil resources essential for sustainable intensification of food production.

*The Root Systems in Sustainable Agricultural Intensification* summarises the state-of-the-art knowledge in theoretical and practical aspects of agricultural management to enhance root system architecture and function that underpin efficient use of water and nutrient resources in various food, feed and fibre production systems.

This book will emphasise agricultural measures that enhance root capacity to develop and function under a range of water and nutrient regimes to (i) maximise food, feed and fibre production per unit of resources utilised in the agricultural landscapes and (ii) minimise undesirable water and nutrient losses to the environment. A variety of soil, plant, agronomy, farming systems, breeding, molecular and other aspects are considered.

This reference book will provide professionals, researchers, and students with an indepth view of various aspects of root structure and function in intensive agricultural systems, underpinning efficient water and nutrient use in food, feed and fibre production. The book will cover topics related to global economic and social issues related to, or underpinning, agricultural intensification, discuss soil-root interactions from the molecular to the agroecosystem points of view, describe various strategies and mechanisms that underpin increased water- and nutrient-use efficiency, and bring together natural and agricultural systems to emphasise the continuity of traits and mechanisms.

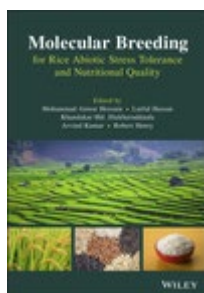
MAY 2021 448PP  
978-1-119-52540-0 CL \$200.00 (Japan)  
Plant Science

## Molecular Breeding for Rice Abiotic Stress Tolerance and Nutritional Quality

EDITOR MOHAMMAD ANWAR HOSSAIN, EDITOR LUTFUL HASSAN, EDITOR KHANDAKAR MD. IFTEKHARUDDAULA, EDITOR ARVIND KUMAR & EDITOR ROBERT HENRY

**Presents the latest knowledge of improving the stress tolerance, yield, and quality of rice crops**

One of the most important cereal crops, rice provides food to more than half of the world population. Various abiotic stresses--currently impacting an estimated 60% of crop yields--are projected to increase in severity and frequency due to climate change. In light of the threat of global food grain insecurity, interest in molecular rice breeding has intensified in recent years. Progress has been made, but there remains an urgent need to develop stress-tolerant, bio-fortified rice varieties that provide consistent and high-quality yields under both stress and non-stress conditions.



*Molecular Breeding for Rice Abiotic Stress Tolerance and Nutritional Quality* is the first book to provide comprehensive and up-to-date coverage of this critical topic, containing the physiological, biochemical, and molecular information required to develop effective engineering strategies for enhancing rice yield. Authoritative and in-depth chapters examine the molecular and genetic bases of abiotic stress tolerance, discuss yield and quality improvement of rice, and explore new approaches to better utilize natural resources through modern breeding. Topics Include rice adaptation to climate change, enriching rice yields under low phosphorus and light intensity, increasing iron, zinc, vitamin and antioxidant content, and improving tolerance to salinity, drought, heat, cold, submergence, heavy metals and Ultraviolet-B radiation.

*Molecular Breeding for Rice Abiotic Stress Tolerance and Nutritional Quality* is required reading for rice researchers, agriculturists, and agribusiness professionals, and the ideal text for instructors and students in molecular plant breeding, abiotic stress tolerance, environmental science, and plant physiology, biochemistry, molecular biology, and biotechnology.

MAY 2021 480PP  
978-1-119-63311-2 CL \$200.00 (Japan)  
Plant Molecular Biology

## Writing Scientific Research Articles

Strategy and Steps, 3rd Edition

MARGARET CARGILL & PATRICK O'CONNOR

University of Adelaide ; British Aerospace Dynamics Group, Stevenage

MAY 2021 240PP  
978-1-119-71727-0 PB \$34.95 (Japan)  
Life Sciences Special Topics

## 文学

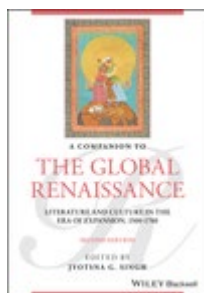
**A Companion to the Global Renaissance**

English Literature and Culture in the Era of Expansion, 2nd Edition

EDITOR JYOTSNA G. SINGH

Southern Methodist University

Following a successful First edition, *A Companion to the Global Renaissance: Literature and Culture in the Era of Expansion, 1500-1700*, Second Edition, is a key text that demonstrates the global "turn" in early modern studies: this volume of original, commissioned chapters explores interconnected, global exchanges, transactions, and encounters involving England, European powers such as Portugal, Spain, and Holland, eastern empires such as Japan, as well as Islamic kingdoms to the east, namely the Ottoman, Safavid, and Mughal empires. Deploying interdisciplinary perspectives, the varied chapters explore the political implications of late sixteenth- and seventeenth-century concepts of geography, commerce, cross-cultural/cross racial encounters, slaving practices, empire building, material culture, and artistic cross-pollinations, among others. From the early sixteenth-century onwards, it became increasingly important for explorers/travelers, rulers, courtiers, ambassadors, ministers, merchants, slavers, writers, and artists to define themselves not only in terms of their own local identities, but to also consider their experiences and achievements as part of an expanding global framework -- often caught up within overlapping expansionist drives of disparate kingdoms and nations.



SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

MAY 2021 424PP  
978-1-119-62626-8 CL \$195.00 (Japan)  
RENAISSANCE ENGLISH LITERATURE

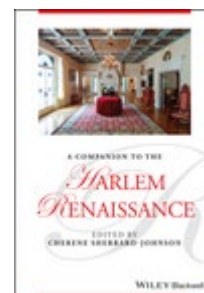
**A Companion to the Harlem Renaissance**

EDITOR CHERENE SHERRARD-JOHNSON

University of Wisconsin-Madison

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

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



SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

MAY 2021 496PP  
978-1-119-05453-5 PB \$46.75 (Japan)  
AMERICAN LITERATURE

## 数学

**An Introduction to Numerical Methods and Analysis**

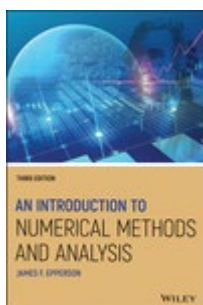
3rd Edition

JAMES F. EPPERSON, ANN ARBOR

University of Alabama in Huntsville

**The new edition of the popular introductory textbook on numerical approximation methods and mathematical analysis, with a unique emphasis on real-world application**

*An Introduction to Numerical Methods and Analysis* helps students gain a solid understanding of a wide range of numerical approximation methods for solving problems of mathematical analysis. Designed for entry-level courses on the subject, this popular textbook maximizes teaching flexibility by first covering basic topics before gradually moving to more advanced material in each chapter and section. Throughout the text, students are provided clear and accessible guidance on a wide range of numerical methods and analysis techniques, including root-finding, numerical integration, interpolation, solution of systems of equations, and many others.



This fully revised third edition contains new sections on higher-order difference methods, the bisection and inertia method for computing eigenvalues of a symmetric matrix, a completely re-written section on different methods for Poisson equations, and spectral methods for higher-dimensional problems. New problem sets--ranging in difficulty from simple computations to challenging derivations and proofs--are complemented by computer programming exercises, illustrative examples, and sample code.

*An Introduction to Numerical Methods and Analysis, Third Edition* is the perfect textbook for upper-level undergraduate students in mathematics, science, and engineering courses, as well as for courses in the social sciences, medicine, and business with numerical methods and analysis components.

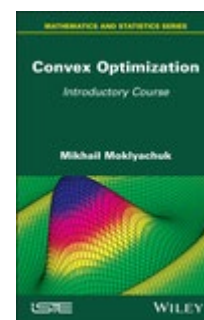
MAY 2021 672PP  
978-1-119-60469-3 CL \$133.00 (Japan)  
Numerical Methods

**Convex Optimization**

Introductory Course

MIKHAIL MOKLYACHUK

This book provides easy access to the basic principles and methods for solving constrained and unconstrained convex optimization problems. Included are sections that cover: basic methods for solving constrained and unconstrained optimization problems with differentiable objective functions; convex sets and their properties; convex functions and their properties and generalizations; and basic principles of sub-differential calculus and convex programming problems. *Convex Optimization* provides detailed proofs for most of the results presented in the book and also includes many figures and exercises for a better understanding of the material. Exercises are given at the end of each chapter, with solutions and hints to selected exercises given at the end of the book. Undergraduate and graduate students, researchers in different disciplines, as well as practitioners will all benefit from this accessible approach to convex optimization methods.



MAY 2021 272PP  
978-1-78630-683-8 CL \$165.00 (Japan)  
Mathematical Modeling

## Cryptography, Information Theory, and Error-Correction

A Handbook for the 21st Century, 2nd Edition

AIDEN A. BRUEN, CALGARY, ALBERTA, CANADA, MARIO A. FORCINITO, CALGARY, ALBERTA, CANADA & JAMES M. MCQUILLAN

University of Calgary, Alberta, Canada ; AP-Dynamics, Inc., Calgary, Alberta, Canada

With identity theft, cybercrime, and digital file sharing proliferating in today's wired world, providing safe and accurate information transfers has become a paramount concern. The issues and problems raised in this endeavor are encompassed within three disciplines: cryptography, information theory, and error-correction. As technology continues to develop, these fields have converged at a practical level, increasing the need for a unified treatment of these three cornerstones of the information age. This book offers a complete, yet accessible account of the technologies shaping the 21st century. This new edition is geared towards audiences from financial institutions, banks, law companies and governments interested in blockchains, and companies using security for new products such as self-driving cars. This new edition also features five new chapters on security and the internet of things, increased security in elliptic curve cryptography, some new equalities in information theory, blockchains and cryptocurrency, and Bletchley park.

MAY 2021 656PP  
978-1-119-58242-7 CL \$130.00 (Japan)  
Cryptography

## メディカル・サイエンス

## How to Succeed in Medical Research

A Practical Guide

ROBERT FOLEY, ROBERT MAWENI, SHAHRAM SHIRAZI & HUSSEIN JAAFAR

*How to Succeed in Medical Research* is a practical resource for medical students and junior doctors across all specialties. Designed for busy readers seeking to distinguish themselves in a highly competitive environment, this concise yet comprehensive guide provides step-by-step advice on selecting a project, finding a mentor, conducting a study, analysing results, publishing a paper, communicating findings, and much more.



Presented in an accessible and conversational style, 14 succinct chapters walk readers through the essential stages of their research journey, from the initial steps to getting involved in research as a medical student, to effectively balancing clinical work, scientific research, and other academic pursuits early in your career as a healthcare professional. The book is packed with real-world case studies and expert tips to help readers apply the content directly in their own studies and careers. Straightforward and easy-to-use, this valuable guide:

- Covers a variety of clinical research and presentation skills using clear and engaging language
- Provides detailed guidance on writing a paper, conducting a clinical audit, creating a CV and portfolio, and other key proficiencies
- Develops writing skills for literature reviews, critical appraisals, and case reports
- Discusses how to further medical careers through research electives, PhD studies, teaching, and quality improvement projects
- Offers a range of helpful learning features including objectives, key points, case studies, review questions, and links to references and further readings
- Includes PowerPoint templates for oral presentations and posters via a companion website

*How to Succeed in Medical Research: A Practical Guide* is an ideal resource for medical students, junior doctors and other early career medical professionals.

SERIES: HOW TO

MAY 2021 180PP  
978-1-119-64549-8 PB \$34.95 (Japan)  
Clinical & Experimental Medical Research



## Cardiac Pacing, Defibrillation and Resynchronization

A Clinical Approach, 4th Edition

EDITOR DAVID L. HAYES, EDITOR SAMUEL J. ASIRVATHAM &  
EDITOR PAUL A. FRIEDMAN

Mayo Clinic and Mayo Clinic College of Medicine, Rochester, MN, USA; Mayo Clinic College of Medicine; Mayo Clinic College of Medicine

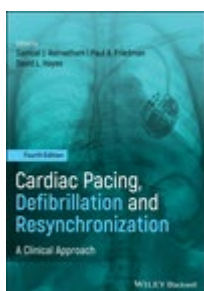
**A practical and up-to-date guide to pacemaker technology and its clinical implementation**

As the field of cardiology continues to advance and expand, so too does the technology and expertise behind today's electrophysiological devices. *Cardiac Pacing, Defibrillation and Resynchronization* has been assembled by international specialists to give all those caring for patients with heart disorders a clear and informative guide to the pacemakers and clinical methods of today. Now in its fourth edition, this essential resource:

- Explains different methods of pacemaker implementation in a straightforward and easy-to-follow manner
- Explores the most common challenges faced by working clinicians
- Features more than 750 illustrative graphics
- Contains data on the efficacy and long-term outcomes of different device models
- Covers new technology and clinical trial data

Written for cardiologists, cardiac pacing caregivers, and those preparing to take their electrophysiology board examinations, *Cardiac Pacing, Defibrillation and Resynchronization* offers a complete exploration of electrophysical devices and their vital role in modern-day cardiology.

MAY 2021 640PP  
978-1-119-26396-8 CL \$99.95 (Japan)  
Electrophysiology



## Transcatheter Mitral Valve Therapies

EDITOR RON WAKSMAN & EDITOR TOBY ROGERS

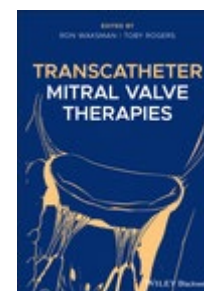
Director, Cardiovascular Research Institute, Georgetown University School of Medicine, Washington DC

**An essential survey of the advancing field of transcatheter mitral valve repair and replacement**

Minimally invasive transcatheter therapies have revolutionized the treatment of structural heart disease. Greatly improving outcomes for higher-risk patients, transcatheter aortic valve replacement is now established as a safe and effective alternative to invasive surgery. The mitral valve, however, poses further challenges. Contending with one of the heart's most anatomically and pathologically complex components, practitioners and engineers have yet to perfect a stream-lined, widely deliverable therapy -- though they are getting closer and closer to this goal.

*Transcatheter Mitral Valve Therapies* provides a far-reaching survey of the field of mitral interventions in its current state. Highlighting the stumbling blocks preventing transcatheter mitral valve replacement's widespread adoption, the book's international group of contributors discuss the improvements to be made in repair and replacement procedures, as well as the adjunctive use of imaging and pharmacologic therapies.

*Transcatheter Mitral Valve Therapies* is an important, up-to-date resource for interventional cardiologists, as well as all clinical researchers and practitioners seeking information on this vital and developing treatment.



MAY 2021 400PP  
978-1-119-49068-5 CL \$170.00 (Japan)  
Interventional Cardiology

## Clinical Assessment and Monitoring for Paramedics

TIM KILNER

A unique systems approach to assessment and history taking-core components of a paramedic's role.

- Unique approach- the first text to combine assessment and monitoring
- Addresses the unique problems of undertaking assessments and monitoring patients outside the conventional hospital and clinic setting
- Allows paramedics to give appropriate weight to the value of individual assessment techniques to inform clinical decisions
- Suitable for paramedics from the time that they begin their journey to registration through to development into specialist roles

MAY 2021 280PP  
978-1-119-55511-7 PB \$38.99 (Japan)  
Emergency Medicine & Trauma

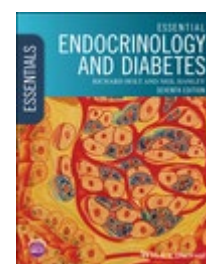
## Essential Endocrinology and Diabetes

7th Edition

RICHARD I. G. HOLT & NEIL A. HANLEY

University of Southampton; University of Southampton

*Essential Endocrinology and Diabetes* provides the accurate and up-to-date knowledge required for treating all areas of endocrinology and diabetes, covering the latest research, clinical guidelines, investigational methods, and therapies. This classic text explains the vital aspects of endocrine physiology in a succinct and easy-to-use format, with full-colour illustrations, clinical images, and case studies to assist readers in applying theory to practice.



The text covers the principles of endocrinology, clinical endocrinology, and clinical diabetes and obesity, and has been revised throughout to present the most recent developments in the field. The seventh edition includes new and updated material on the latest molecular techniques, approaches to clinical investigation and diagnostics, next generation sequencing technology, and positron emission tomography (PET). The treatment of type 1 diabetes and type 2 diabetes has been updated with clinical algorithms and reflects significant advances such as incretin-based therapies, SGLT2 inhibitors, the development of better insulins, and technologies that support self-management.

*Essential Endocrinology and Diabetes, Seventh Edition* is the ideal textbook for medical and biomedical students, junior doctors, and clinicians looking to refresh their knowledge of endocrine science.

SERIES: ESSENTIALS

MAY 2021 432PP  
978-1-118-76396-4 PB \$55.00 (Japan)  
ENDOCRINOLOGY

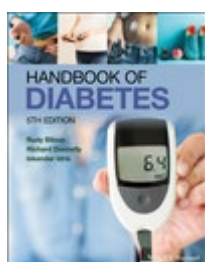
# Handbook of Diabetes

5th Edition

RUDY BILOUS, RICHARD DONNELLY &amp; ISKANDAR IDRIS

Newcastle University, UK; University of Nottingham,  
Nottingham, UK

The *Handbook of Diabetes* provides concise and efficient coverage of the diagnosis, epidemiology, and management of diabetes and its complications. Containing hundreds of attractive colour diagrams, illustrations, and clinical photographs, this popular quick-reference guide focuses on the management and measurement of diabetes mellitus with references.



Now in its fifth edition, this market-leading book aligns with the most recent guidelines from the American Diabetes Association (ADA), the European Association for the Study of Diabetes (EASD), Diabetes UK, and the National Institute for Health and Care Excellence (NICE), presenting authoritative clinical coverage of diabetes in an accessible format with rich pedagogical features.

*Handbook of Diabetes*, remains the essential practical companion for all health professionals involved in managing patients with diabetes, and an up-to-date reference for diabetes and endocrinology researchers, scientists, and academics.

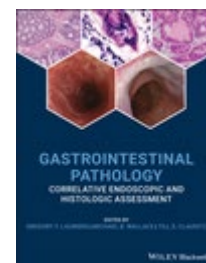
MAY 2021 330PP  
978-1-118-97604-3 PB \$99.95 (Japan)  
DIABETES

## Gastrointestinal Pathology

### Correlative endoscopic and histologic assessment

GREGORY Y. LAUWERS

**An illustrated guide to best practices  
when performing and  
assessing biopsies for GI conditions of  
all kinds**



Accurate diagnosis of GI conditions necessarily entails both the careful taking of biopsies and the informed analysis of tissue material. With that being so, gastroenterologists and GI pathologists alike must have a solid understanding of the techniques, handling requirements, and diagnostic characteristics involved if they are to collaborate effectively. *Gastrointestinal Pathology* has been designed to provide a clinically focussed and richly illustrated guide to real-world scenarios faced by practicing GI specialists, offering step-by-step instruction and professional advice on the correct diagnosis of all major GI conditions. This essential new book includes:

- Full-color illustrations throughout
- Complete details of biopsy samples required to diagnose specific conditions
- Reviews of differential diagnoses
- Clinical management clues based on pathologic findings

Featuring information to improve the practice of all gastroenterologists and GI pathologists, *Gastrointestinal Pathology* is a practical and every-day resource for the precise diagnosis of a wide range of GI conditions.

MAY 2021 384PP  
978-0-470-65836-9 CL \$200.00 (Japan)  
Gastroenterology

## Practical Pediatric Gastrointestinal Endoscopy

3rd Edition

GEORGE GERSHMAN & MIKE THOMSON

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

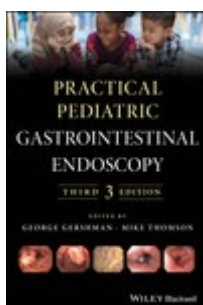
**The reference text for all those practicing diagnostic and therapeutic pediatric endoscopy -- trainees, trainers, specialist endoscopists, gastroenterologists and hepatologists alike.**

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

*Practical Pediatric Gastrointestinal Endoscopy* highlights the substantial and important differences between performing an endoscopy on a mature adult and performing one in a pediatric patient.

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

MAY 2021 448PP  
978-1-119-42345-4 CL \$125.00 (Japan)  
GASTROENTEROLOGY

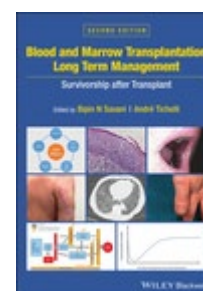


## Blood and Marrow Transplantation Long Term Management

Prevention and Complications, 2nd Edition

EDITOR BIPIN N. SAVANI

Vanderbilt University Medical Center, Nashville, TN



MAY 2021 416PP  
978-1-119-61269-8 CL \$160.00 (Japan)  
HEMATOLOGY

## Flow Cytometry of Hematological Malignancies

2nd Edition

CLAUDIO ORTOLANI

Consultant Clinical Pathologist (retired), Ospedale dell'Angelo, Venice, Italy

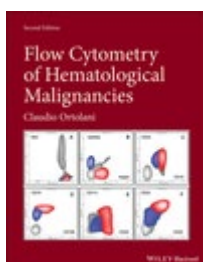
Flow cytometric analysis is often integral to the swift and accurate diagnosis of leukemias and lymphomas of the blood, bone marrow, and lymph nodes. However, in the fast-moving and expanding field of clinical hematology, it can be challenging to remain up to speed with the latest biological research and technological innovations. *Flow Cytometry of Hematological Malignancies* has been designed to provide all those working in hematological oncology with a practical, cutting-edge handbook, featuring clear and fully illustrated guidance on all aspects of cytometry's role in diagnosis and analysis. This essential second edition includes:

- Explorations of more than 70 antigens
- Full-color illustrations throughout
- New descriptions of recently discovered markers
- WHO classifications of hematological neoplastic diseases
- Helpful tips for result interpretation and analysis

Featuring all this and more, *Flow Cytometry of Hematological Malignancies, Second*

*Edition*, is an invaluable resource for both trainee and experienced hematologists, hematopathologists, oncologists, and pathologists, as well as medical students and diagnostic lab technicians.

MAY 2021 480PP  
978-1-119-61125-7 CL \$200.00 (Japan)  
LABORATORY HEMATOLOGY



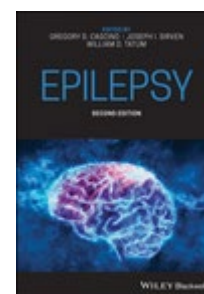
## Epilepsy

2nd Edition

EDITOR GREGORY D. CASCINO, EDITOR JOSEPH I. SIRVEN &  
EDITOR WILLIAM TATUM

Mayo Clinic; Mayo Clinic

Designed to provide a comprehensive but accessible introduction to epilepsy and seizure disorders, *Epilepsy*, 2nd edition provides state-of-the-art information in a concise format useful to a wide audience, from neurology residents to epilepsy fellows and practitioners. This illustrated guide to the assessment, diagnosis, and treatment of epilepsy is a valuable resource enabling clinicians to stay on top of the latest recommendations for best practice



MAY 2021 326PP  
978-1-119-43182-4 CL \$215.00 (Japan)  
EPILEPSY

## The Peripheral T-Cell Lymphomas

OWEN A. O'CONNOR, WON SEOG KIM & PIER L. ZINZANI

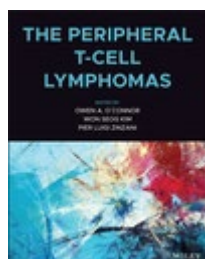
**The first text dedicated to peripheral T-cell lymphomas and their classification, diagnosis, and management**

Peripheral T-cell lymphomas (PTCL) are a diverse group of lymphoid malignancies that develop from mature T cells and natural killer (NK) cells. PTCL represents 10-15% of all cases of non-Hodgkin lymphoma in the US, and up to 20-25% of cases in South America, Asia, and other regions around the world. The role of different etiologic factors and the variation of geographic distribution makes PTCL one of the most difficult types of cancer to understand and treat.

The first book of its kind, *The Peripheral T-Cell Lymphomas* presents a far-reaching survey of this complex and rare group of blood cancers. Featuring contributions from thought-leaders concerned with all aspects of PTCL, this authoritative text covers biology, epidemiology, classification, approved and emerging drugs, molecular genetics, and more. Detailed clinical chapters address diagnosis, prognosis, and treatment of each of the major PTCL subtypes identified in the 2018 WHO Classification of Tumors of Hematopoietic and Lymphoid Tissues. This much-needed resource:

- Covers the biological basis, epidemiology, classification, and treatment of PTCL
- Discusses the future of the field, including global collaboration efforts and novel approaches to PTCL
- Explores the role of biologics in PTCL and autologous and allogeneic stem-cell transplantation
- Offers new insights on molecular pathogenesis, innovative therapeutics, and novel drug combinations
- Features contributions from the Chairs The T-Cell Lymphoma Forum: the world's largest meeting focused on PTCL

Reflecting the unique epidemiology and genetic diversity of the PTCL, *The Peripheral T-Cell Lymphomas* is an indispensable source of data, insight, and references for the medical community, particularly those working in oncology and hematology.



MAY 2021 304PP  
978-1-119-67131-2 CL \$200.00 (Japan)  
Medical Oncology

## TNM Atlas

7th Edition

CHRISTIAN WITTEKIND, H. ASAMURA & LESLIE H. SOBIN

Institut für Pathologie der Universität, Leipzig, Germany;  
Armed Forces Institute of Pathology, Washington, DC

**A fully illustrated guide to the current TNM classification (8<sup>th</sup> Edition) and staging system**

The Union for International Cancer Control's (UICC) TNM classification system is the most widely used cancer classification and staging system in the world. It is used to describe the anatomical extent of disease and is, therefore, essential to patient care, research and cancer control.



This seventh edition of the *TNM Atlas* provides health-care professionals with a detailed pictorial guide to the system, demonstrating its practical application via clear, direct text and an array of full-color medical illustrations. The atlas features:

- Specially produced content, created to reflect the most recent iteration of the TNM classification of malignant tumours, the 8<sup>th</sup> Edition
- More than 300 full-color medical illustrations covering all anatomical sites of cancer involvement
- Quick-reference material that is ideal for use in clinical and educational settings

The revised seventh edition of the *TNM Atlas* is a valuable resource for all medical, surgical, and radiation oncologists, anatomical and surgical pathologists, cancer registrars, oncology nurses, physician extenders, international cancer care centers and NGOs dedicated to cancer control.

SERIES: UICC

MAY 2021 408PP  
978-1-119-26384-5 PB \$100.00 (Japan)  
MEDICAL ONCOLOGY



## Randomised Clinical Trials

Design, Practice & Reporting, 2nd Edition

DAVID MACHIN, UNITED KINGDOM & PETER M. FAYERS

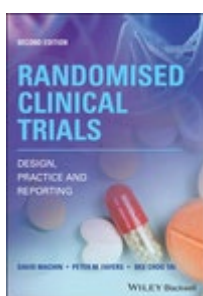
Medical Research Council Cancer Trials Office, Cambridge;  
Medical Research Council Clinical Trials Unit, London, UK

*Randomised Clinical Trials: Design, Practice and Reporting* provides a detailed overview of the methodology for conducting clinical trials, including developing protocols, data capture, randomisation, analysis and reporting. Assuming no prior background, this user-friendly resource describes the statistical, regulatory, and practical components required for conducting randomised clinical trials. Numerous examples and case studies from industry, academia, and the research literature help readers understand each stage of the clinical trial process.

This second edition contains extensively revised material throughout, including new chapters covering designs for repeated measures, non-inferiority, cluster and stepped wedge trials. Other new chapters describe data and safety monitoring, biomarker studies, and feasibility studies. Updated and expanded sections discuss situations where multiple organs, different body locations or competing risks are involved, subgroup analysis, and multiple outcomes.

*Randomised Clinical Trials* is essential reading for clinicians, nurses, data managers, and medical statisticians involved in clinical trials, and for health practitioners responsible for direct patient care in a clinical trial setting.

MAY 2021 416PP  
978-1-119-52464-9 PB \$99.99 (Japan)  
Pharmacology & Pharmaceutical Medicine



## Computed Tomography

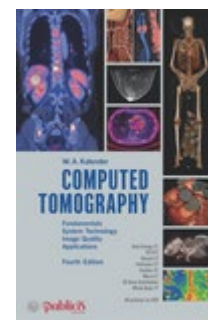
Fundamentals, System Technology, Image Quality, Applications, 4th Edition

WILLI A. KALENDER

The book is intended for all those who work daily, regularly or even occasionally with CT - physicians, engineers, technicians and physicists, as well as students learnig about CT. Written by one of the world's leading experts, it offers a comprehensive description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT. It covers in detail all characteristic parameters relevant for image quality and all performance features significant for clinical application. Readers will thus be informed how to use a CT system to an optimum depending on the different diagnostic requirements. This includes a detailed discussion about the dose required and about dose measurements as well as how to reduce dose in CT. All considerations pay special attention to spiral CT and to developments towards advanced multi-slice and cone-beam CT.

For the fourth edition, latest topics like breast CT and automatic exposure control have been added. A glossary describes important technical terms in alphabetical order.

The enclosed DVD offers of all figures in the book and attractive case studies, including many examples from most recent 64-slice acquisitions, and interactive exercises for image viewing and manipulation.



MAY 2021 388PP  
978-3-89578-471-2 CL \$75.00 (Japan)  
RADIOLOGY & IMAGING

## 機械工学

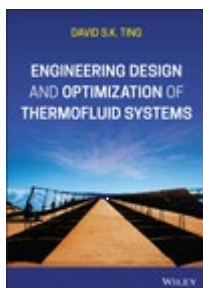
## Engineering Design and Optimization of Thermofluid Systems

DAVID S. K. TING

**A practical and accessible introductory textbook that enables engineering students to design and optimize typical thermofluid systems**

*Engineering Design and Optimization of Thermofluid Systems* is designed to help students and professionals alike understand the design and optimization techniques used to create complex engineering systems that incorporate heat transfer, thermodynamics, fluid dynamics, and mass transfer. Designed for thermal systems design courses, this comprehensive textbook covers thermofluid theory, practical applications, and established techniques for improved performance, efficiency, and economy of thermofluid systems. Students gain a solid understanding of best practices for the design of pumps, compressors, heat exchangers, HVAC systems, power generation systems, and more. Covering the material using a pragmatic, student-friendly approach, the text begins by introducing design, optimization, and engineering economics—with emphasis on the importance of engineering optimization in maximizing efficiency and minimizing cost. Subsequent chapters review representative thermofluid systems and devices and discuss basic mathematical models for describing thermofluid systems. Moving on to system simulation, students work with the classical calculus method, the Lagrange multiplier, canonical search methods, and geometric programming. Throughout the text, examples and practice problems integrate emerging industry technologies to show students how key concepts are applied in the real world.

Emphasizing optimization techniques more than any other thermofluid system textbook available, *Engineering Design and Optimization of Thermofluid Systems* is the ideal textbook for upper-level undergraduate and graduate students and instructors in thermal systems design courses, and a valuable reference for professional mechanical engineers and researchers in the field.



MAY 2021 288PP  
978-1-119-70160-6 CL \$145.00 (Japan)  
Thermodynamics

## Bearing Dynamic Coefficients in Rotordynamics

Computation Methods and Practical Applications

LUKASZ BRENKACZ

**A guide to bearing dynamic coefficients in rotordynamics that includes various computation methods**

*Bearing Dynamic Coefficients in Rotordynamics* delivers an authoritative guide to the fundamentals of bearing and bearing dynamic coefficients containing various computation methods. Three of the most popular and state-of-the-art methods of determining coefficients are discussed in detail. The computation methods covered include an experimental linear method created by the author, and numerical linear and nonlinear methods using the finite element method. The author—a renowned expert on the topic—presents the results and discusses the limitations of the various methods.

Accessibly written, the book provides a clear analysis of the fundamental phenomena in rotor dynamics and includes many illustrations from numerical analysis and the results of the experimental research. Filled with practical examples, the book also includes a companion website hosting code used to calculate the dynamic coefficients of journal bearings. This important book:

- Covers examples of different computation methods, presents results, and discusses limitations of each
- Reviews the fundamentals of bearing and bearing dynamic coefficients
- Includes illustrations from the numerical analysis and results of the experimental research
- Offers myriad practical examples and a companion website

Written for researchers and practitioners working in rotordynamics, *Bearing Dynamic Coefficients in Rotordynamics* will also earn a place in the libraries of graduate students in mechanical and aerospace engineering who seek a comprehensive treatment of the foundations of this subject.



SERIES: WILEY-ASME PRESS SERIES

MAY 2021 300PP  
978-1-119-75926-3 CL \$140.00 (Japan)  
Solid Mechanics

## Recognition and Perception of Images

IFTIKHAR B. ABBASOV

This book is dedicated to the unique interdisciplinary research of imagery processing, recognition and perception. The contents of this book are based on the concepts of mathematical processing, compositional analysis applied in the art and design, and psychological factors of the information perception process.

The conduction of compositional analysis carried out in the course of images processing and recognition, creation of the image project solution and modeling of the conceptual space structures are considered together with the mechanism of their perception.

Edited and written by a group of international experts, the practical applications for industry are covered, including the influence of internet memes on social networks and face recognition technology subject to interferences. The algorithms of perception and improving of accuracy necessary for satellite imagery recognition and complex reflection from the object are represented with the use of artificial neural networks.

Not just a study in how humans recognize and perceive images, this outstanding new volume delves into how these processes are used in technology for continuously evolving industrial applications. Whether for the veteran scientist or engineer, or for the student, this is a must-have for any library.

MAY 2021 464PP  
978-1-119-75055-0 CL \$225.00 (Japan)  
Aeronautic & Aerospace Engineering

## Human Motion Capture and Identification for Assistive Technologies

PUBUDU N. PATHIRANA

A guide to the core ideas in a rapidly changing technological landscape of human motion capture



Human Motion Capture and Identification fills a gap in the literature by providing a book that links sensing, data analytics and signal processing and addresses the characterisation of movements of clinical significance. The authors, noted experts on the topic, take an application focused approach to offer an essential guide that explores the various sensing forms of human motion that use more affordable and readily available technologies.

The book offers a fundamental approach to bio-kinematic motions and physiological reasoning behind such motions leading to movement disorders and crucial parameters of interest. Comprehensive in scope, the text covers sensors and data capture and shows how they translate to different features of movement with clinical significance. The book links sensors and data capture in a seamless and cohesive form and introduces a new form of assistive device design literature. This important book:

- Offers a fundamental approach to bio-kinematic motions and the physiological reasoning behind such motions
- Includes information on sensors and data capture and explores their clinical significance
- Links sensors and data capture to parameters of interest to therapist and clinicians
- Addresses the need for a book on the topic

Written for academics, technologists, therapists and clinicians focusing on human motion, Human Motion Capture and Identification provides a holistic view for assistive device design optimizing various parameters of interest to the relevant audiences.

MAY 2021 300PP  
978-1-119-51507-4 CL \$130.00 (Japan)  
Mechanical Engineering Special Topics

## 材料科学

**Electrical and Electronic Devices, Circuits, and Materials**

## Technological Challenges and Solutions

SUMAN LATA TRIPATHI, PARVEJ AHMAD ALVI &  
UMASHANKAR SUBRAMANIAM

The increasing demand for electronic devices for private and industrial purposes lead designers and researchers to explore new electronic devices and circuits that can perform several tasks efficiently with low IC area and low power consumption. In addition, the increasing demand for portable devices intensifies the call from industry to design sensor elements, an efficient storage cell, and large capacity memory elements. Several industry-related issues have also forced a redesign of basic electronic components for certain specific applications. The researchers, designers, and students working in the area of electronic devices, circuits, and materials sometimes need standard examples with certain specifications. This breakthrough work presents this knowledge of standard electronic device and circuit design analysis, including advanced technologies and materials.

This outstanding new volume presents the basic concepts and fundamentals behind devices, circuits, and systems. It is a valuable reference for the veteran engineer and a learning tool for the student, the practicing engineer, or an engineer from another field crossing over into electrical engineering. It is a must-have for any library.

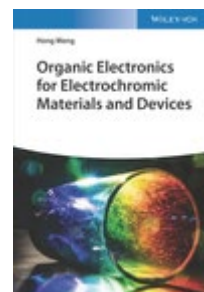
MAY 2021 586PP  
978-1-119-75036-9 CL \$249.00 (Japan)  
Electronic Materials

**Organic Electronics for Electrochromic Materials and Devices**

HONG MENG

All types of organic electrochromic materials and multi-functional devices are well presented.

MAY 2021 550PP  
978-3-527-34871-8 CL \$185.00 (Japan)  
Optical and Non-Linear Optical Materials

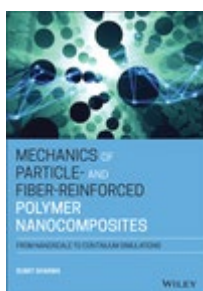


## Mechanics of Particle- and Fiber-Reinforced Polymer Nanocomposites

Nanoscale to Continuum Simulations

SUMIT SHARMA

This book correlates the properties of polymer-based nanocomposites with mechanical models at different length scales. It discusses the reinforcements with particle and fiber and provides an overview of nanocomposites development, theoretical models and simulation methods. Foundations of molecular dynamics and continuum mechanics methods are laid and comparison between results of experimental and theoretical works is performed. The book also contains case studies and provides scripting tutorials for enthusiasts to exercise simulations and to develop further.



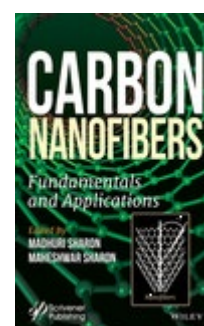
MAY 2021 320PP  
978-1-119-65362-2 CL \$150.00 (Japan)  
Composites

## Carbon Nanofibers

Fundamentals and Applications

MADHURI SHARON & MAHESHWAR SHARON

This book covers the fundamentals and applications of Carbon Nanofiber (CNF). In the first section, the initial chapter on the fundamentals of CNF is by Professor Maheshwar Sharon, the recognized "Father of Carbon Nanotechnology in India", which powerfully provides a succinct overview of CNFs. This is followed by a chapter on biogenics that have produced unique morphologies of CNF that makes them suitable to various applications. This is followed by a chapter that mainly focuses on nanocomposites, especially those involving nanocomposites of CNF. The role of nanocatalysts and composites in promoting and enhancing the synthesis and application of CNF is then covered, followed by an important chapter on the characterization of CNF.



The second section of the book encompasses the various applications of CNF, such as its use as a possible superconductor to adsorb and store hydrogen, and as a microwave absorber. The application of CNF for environmental concerns is also detailed by assessing its usefulness in dye and heavy metal removal from polluted water. The applications that are addressed include lithium-ion battery, solar cell, antenna, cosmetics, usefulness in regenerative medicine, as well as various aspects of agrotechnology.

SERIES: ADVANCES IN NANOTECHNOLOGY AND APPLICATIONS

MAY 2021 448PP  
978-1-119-76881-4 CL \$225.00 (Japan)  
Carbon Materials

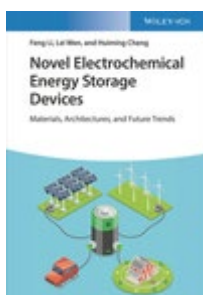
## Electrochemical Energy Storage Devices

New Design, Architectures and Configurations

FENG LI, LEI WEN & HUIMING CHENG

Napier University, UK

This book presents the developments in the electrodes and cell configurations of lithium ion batteries and electrochemical capacitors. Several kinds of newly developed devices are introduced in all aspects such as the theoretical bases, materials, fabrication technologies, design considerations and implementation. In the last part, the current challenges, future research trends, and possible opportunities in this fascinating area are also discussed.



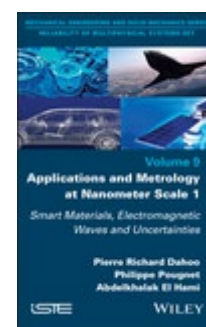
MAY 2021 328PP  
978-3-527-34579-3 CL \$165.00 (Japan)  
Materials for Energy Systems

## Applications and Metrology at Nanometer Scale 1

Smart Materials, Electromagnetic Waves and Uncertainties

PIERRE RICHARD DAHOO, PHILIPPE PUGNET & ABDELKHALAK EL HAMI

To develop innovations in quantum engineering and nanosystems, designers need to adopt the expertise that has been developed in research laboratories. This requires a thorough understanding of the experimental measurement techniques and theoretical models, based on the principles of quantum mechanics.



This book presents experimental methods enabling the development and characterization of materials at the nanometer scale, based on practical engineering cases, such as 5G and the interference of polarized light when applied for electromagnetic waves. Using the example of electromechanical, multi-physical coupling in piezoelectric systems, smart materials technology is discussed, with an emphasis on scale reduction and mechanical engineering applications. Statistical analysis methods are presented in terms of their usefulness in systems engineering for experimentation, characterization or design, since safety factors and the most advanced reliability calculation techniques are included from the outset. This book provides valuable support for teachers and researchers but is also intended for engineering students, working engineers and Master's students.

MAY 2021 256PP  
978-1-78630-640-1 CL \$165.00 (Japan)  
Nanomaterials



## ナーシング

**Metal Oxide Nanoparticles**

Formation, Functional Properties and Interfaces

2 Volume Set

EDITOR OLIVER DIWALD &amp; EDITOR THOMAS BERGER

**A complete nanoparticle resource for chemists and industry professionals**

Metal oxide nanoparticles are integral to a wide range of natural and technological processes--from mineral transformation to electronics. Additionally, the fields of engineering, electronics, energy technology, and electronics all utilize metal oxide nanoparticle powders. *Metal Oxide Nanoparticles: Formation, Functional Properties and Interfaces* presents readers with the most relevant synthesis and formulation approaches for using metal oxide nanoparticles as functional materials. It covers common processing routes and the assessment of physical and chemical particle properties through comprehensive and complementary characterization methods.



This book can serve as an introduction to nanoparticle formulation, their interface chemistry and functional properties at the nanoscale. It can also act as an in-depth resource, sharing detailed information on advanced approaches to the physical, chemical, surface, and interface characterization of metal oxide nanoparticle powders and dispersions.

With one book, academic researchers, industrial chemists, and PhD students can all gain insight into the synthesis, properties, and applications of metal oxide nanoparticles.

MAY 2021 632PP  
978-1-119-43674-4 CL \$250.00 (Japan)  
Nanomaterials

**Fundamentals of Applied Pathophysiology**

An Essential Guide for Nursing and Healthcare Students, 4th Edition

EDITOR IAN PEATE, GIBRALTAR

School of Nursing and Midwifery

*Fundamentals of Applied Pathophysiology* delivers a highly visual and accessible introduction to pathophysiology for nursing and healthcare students, guiding readers through the subject matter with case studies, exercises, key words, and additional resources to support learning and retention.

The new edition of *Fundamentals of Applied Pathophysiology* includes brand-new content on homeostasis, systematic approach to assessment, and key terminology. The book features links to clinical observations, vital signs to observe, investigation boxes, clinical red flags, medication alerts, and the latest, contemporary evidence for care management, including National Early Warning Score 2 (NEWS2).

- Presents comprehensive treatment guidance for all fundamental pathophysiology categories, including disorders of the central nervous system, heart, vascular and renal systems, and more
- Aligns with the latest NMC standards
- Full-colour illustrations throughout that brings the subject to life

*Fundamentals of Applied Pathophysiology* belongs on the bookshelves of all pre-registration nursing students, paramedic students, midwifery students, healthcare assistants, and assistant practitioners. Professionals in allied healthcare areas such as physiotherapy, radiotherapy, and occupational therapy will also benefit from the material contained in this comprehensive resource.

SERIES: FUNDAMENTALS

MAY 2021 656PP  
978-1-119-69949-1 PB \$45.00 (Japan)  
INTRODUCTIONS TO NURSING

## Fundamentals of Children and Young People's Anatomy and Physiology

A Textbook for Nursing and Healthcare Students

2nd Edition

EDITOR IAN PEATE, GIBRALTAR & EDITOR ELIZABETH GORMLEY-FLEMING

School of Nursing and Midwifery ; School of Health and Social Work, University of Hertfordshire, Hatfield, UK

*Fundamentals of Children and Young People's Anatomy and Physiology* contains the critical knowledge

required to provide safe and effective care to young people. Emphasising the application of evidence-based theory to practice,

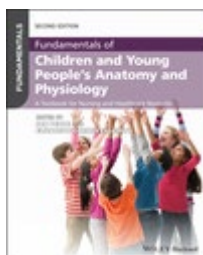
this comprehensive yet accessible textbook helps nursing and healthcare students understand how children's anatomical and physiological systems influence disease processes and treatment options differently than in adults. Highly visual, succinct yet comprehensive, this textbook presents an overview of the structure and function of each body system, supported by clinical applications demonstrating how the concepts relate to nursing in practice.

Fully revised to reflect the Future Nurse Curriculum Standards, this second edition contains a new chapter on physical growth and development, discussion of social, political, and environmental impacts to children's health and wellbeing, updated problems and activates, and more. Each chapter includes a range of effective pedagogical tools, such as learning objectives, clinical considerations, body maps, and self-assessment questions.

*Fundamentals of Children and Young People's Anatomy and Physiology* is essential reading for nursing and healthcare students, and a useful reference for nurses, nursing associates, healthcare assistants, assistant practitioners, and other professionals working in the field.

SERIES: FUNDAMENTALS

MAY 2021 340PP  
978-1-119-61922-2 PB \$50.00 (Japan)  
NURSING CHILDREN & YOUNG PEOPLE



## Nursing and Health Interventions

Design, Evaluation and Implementation

2nd Edition

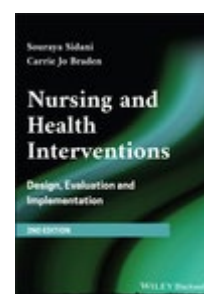
SOURAYA SIDANI & CARRIE JO BRADEN

Ryerson University, Toronto, Ontario, Canada ; The University of Texas Health Science Center at San Antonio, San Antonio, Texas, USA

*Nursing and Health Interventions* covers the conceptual, empirical, and practical knowledge required for engaging in intervention research. This revised edition provides step-by-step guidance on the complex process of intervention development and methods for developing, delivering, evaluating and implementing intervention, supported by a wealth of examples. The text describes each essential aspect of intervention research, from generating an intervention theory, to procedures for adopting evidence-based interventions in practice.

This second edition provides up-to-date coverage of intervention research and its impact on improving standards of care. Throughout the text, readers are provided with the foundational knowledge required for generating evidence that informs treatment decisions in practice, and choosing the best approaches for designing, delivering, evaluating and implementing interventions.

Written by leading experts in the field, *Nursing and Health Interventions* remains an invaluable resource for nursing and healthcare students, researchers, and health practitioners wanting to understand and apply intervention to improve the quality of care.



MAY 2021 320PP  
978-1-119-61012-0 PB \$69.50 (Japan)  
NURSING RESEARCH

## Wound Care Research

### Principles and Practice

EDITOR KYLIE SANDY-HODGETTS

MAY 2021 256PP  
978-1-119-66707-0 PB \$65.00 (Japan)  
Nursing Research

## Child and Adolescent Behavioral Health

A Resource for Advanced Practice Psychiatric and  
Primary Care Practitioners in Nursing, 2nd Edition

EDILMA L. YEARWOOD, GERALDINE S. PEARSON &  
JAMESETTA A. NEWLAND

Georgetown University, Washington D.C.; University of  
Connecticut, Farmington, CT ; New York University, New York,  
NY

*Child and Adolescent Behavioral Health* helps APRNs address the mental health needs of this vulnerable population, providing practical guidance on assessment guidelines, intervention and treatment strategies, indications for consultation, collaboration, referral, and more. Now in its second edition, this

comprehensive and timely resource has been fully updated to include DSM-5 criteria and the latest guidance on assessing, diagnosing, and treating the most common behavioral health issues facing young people. New and expanded chapters cover topics including eating disorders, bullying and victimization, LGBTQ identity issues, and conducting research with high-risk children and adolescents.

Designed to specifically address the issues faced by APRNs, *Child and Adolescent Behavioral Health* is essential reading for nurse practitioners and clinical nurse specialists, particularly those working in family, pediatric, community health, psychiatric, and mental health settings.



MAY 2021 UnknownPP  
978-1-119-48757-9 PB \$99.99 (Japan)  
PRIMARY CARE NURSING & PRACTICE NURSING

## 物理学

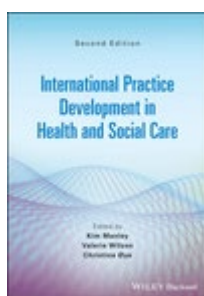
**International Practice Development in Health and Social Care**

2nd Edition

EDITOR KIM MANLEY, EDITOR VALERIE J. WILSON &amp; EDITOR CHRISTINE OYE

Royal College of Nursing Institute

The second edition of *International Practice Development in Health and Social Care* remains the definitive resource for all those responsible for facilitating innovation and change in health and social care practice at every level. Fully revised and updated throughout, this new edition preserves its focus on developing person-centred, safe and effective evidence-based care that reflects the most recent health service modernisation agendas, clinical governance strategies, and quality improvement initiatives worldwide.



In recent years, practice development (PD) supported by the International Practice Development Collaborative and the *International Practice Development Journal* has become increasingly interdisciplinary and globally focused. Accordingly, the second edition places greater emphasis on integrated health and social care, as well as on person-centred and community-focused approaches. New and updated chapters explore future challenges for practice development, readiness for transforming maternity services, new strategies for facilitating knowledge translation, education models for using the workplace as the main resource for learning, developing, and improving, and more.

*International Practice Development in Health and Social Care* is essential reading for multi-professional healthcare practitioners including nurses, midwives, allied healthcare and medical practitioners, facilitators of learning and improvement, clinical educators, PD coordinators, health and social care leaders, managers and commissioners, and students and trainees from all the healthcare professions.

MAY 2021 400PP  
978-1-119-69835-7 PB \$65.00 (Japan)  
NURSING EDUCATION & PROFESSIONAL DEVELOPMENT

**Fusion Reactor Design**

Plasma Physics, Fuel Cycle System, Operation and Maintenance

TAKASHI OKAZAKI

The book gives a detailed overview of fusion reactor design, from the basics of fusion reactors and plasma physics to the technical equipment necessary to construct, design and run a fusion reactor.

MAY 2021 680PP  
978-3-527-41403-1 CL \$285.00 (Japan)  
Nuclear & High Energy Physics



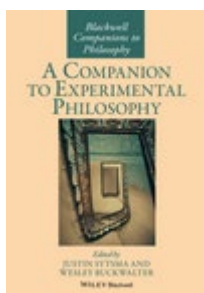
## 哲学

**A Companion to Experimental Philosophy**

EDITOR JUSTIN SYTSMA &amp; EDITOR WESLEY BUCKWALTER

Victoria University of Wellington, New Zealand; University of Waterloo, Canada

This is a comprehensive collection of essays that explores cutting-edge work in experimental philosophy, a radical new movement that applies quantitative and empirical methods to traditional topics of philosophical inquiry.



- Situates the discipline within Western philosophy and then surveys the work of experimental philosophers by sub-discipline
- Contains insights for a diverse range of fields, including linguistics, cognitive science, anthropology, economics, and psychology, as well as almost every area of professional philosophy today
- Edited by two rising scholars who take a broad and inclusive approach to the field
- Offers a complete introduction for non-specialists and students to the central approaches, findings, challenges, and controversies in experimental philosophy

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

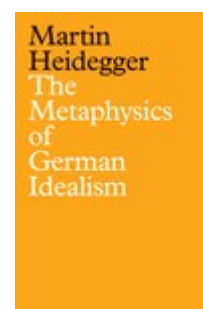
MAY 2021 648PP  
 978-1-119-09904-8 PB \$45.95 (Japan)  
 9781118661703 CL \$202.75 (Japan), Published, May 2016  
 General Philosophy /

**The Metaphysics of German Idealism**

A New Interpretation of Schelling's Philosophical Investigations into the Essence of Human Freedom and Matters

MARTIN HEIDEGGER, TRANSLATED BY IAN ALEXANDER MOORE  
 & TRANSLATED BY RODRIGO THEREZO

READERSHIP: Students and scholars in philosophy and the humanities generally; students and scholars working on Heidegger and on German idealism



MAY 2021 180PP  
 978-1-5095-4010-5 CL \$35.00 (Japan)  
 General Philosophy

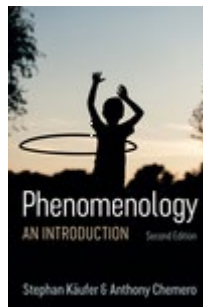
## Phenomenology

An Introduction, 2nd Edition

STEPHAN KÄUFER & ANTHONY CHEMERO

READERSHIP: Undergraduate and postgraduate students taking courses in phenomenology, cognitive science, philosophy of mind and general courses in analytic philosophy.

MAY 2021 288PP  
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978-1-5095-4066-2 PB \$24.95 (Japan)  
Introductions to Philosophy



## Philosophy of Psychology

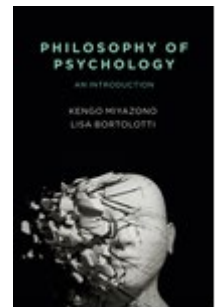
An Introduction

KENGO MIYAZONO & LISA BORTOLOTTI

University of Birmingham

READERSHIP: Undergraduate and graduate students of philosophy of mind, philosophy of action, philosophy of psychology, philosophy of cognitive science, and philosophy of psychiatry.

MAY 2021 224PP  
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978-1-5095-1548-6 PB \$24.95 (Japan)  
Introductions to Philosophy



## This Is Philosophy

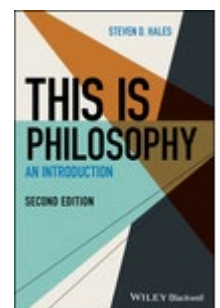
An Introduction, 2nd Edition

STEVEN D. HALES

Bloomsburg University

SERIES: THIS IS PHILOSOPHY

MAY 2021 320PP  
978-1-119-63553-6 PB \$34.95 (Japan)  
INTRODUCTIONS TO PHILOSOPHY





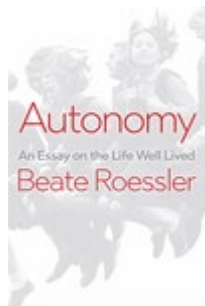
## Autonomy

An Essay on the Life Well-Lived

BEATE ROESSLER & TRANSLATOR JAMES C. WAGNER

University of Amsterdam

READERSHIP: Students and scholars of philosophy, political theory, social theory and sociology.



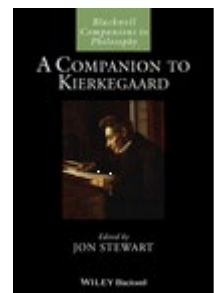
MAY 2021 380PP  
978-1-5095-3799-0 CL \$69.95 (Japan)  
978-1-5095-3800-3 PB \$28.95 (Japan)  
Continental Philosophy

## A Companion to Kierkegaard

EDITOR JON STEWART

University of Copenhagen, Denmark

Jon Stewart, one of the world's leading experts on the work of Søren Kierkegaard, has here compiled the most comprehensive single-volume overview of Kierkegaard studies currently available.



- Includes contributions from an international array of Kierkegaard scholars from across the disciplines
- Covers all of the major disciplines within the broad field of Kierkegaard research, including philosophy; theology and religious studies; aesthetics, the arts and literary theory; and social sciences and politics
- Elucidates Kierkegaard's contribution to each of these areas through examining the sources he drew upon, charting the reception of his ideas, and analyzing his unique conceptual insights into each topic
- Demystifies the complex field of Kierkegaard studies creating an accessible entry-point into his thought and writings for readers new to his work

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

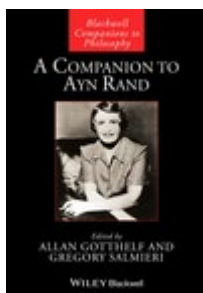
MAY 2021 544PP  
978-1-119-09012-0 PB \$45.95 (Japan)  
9781118783818 CL \$202.75 (Japan), Published Dec 2015  
Continental Philosophy

## A Companion to Ayn Rand

EDITOR ALLAN GOTTHELF & EDITOR GREGORY SALMIERI

University of Pittsburgh; University of North Carolina,  
Chapel Hill

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



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

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

MAY 2021 544PP  
978-1-119-09902-4 PB \$45.95 (Japan)  
9781405186841 CL \$202.75 (Japan), Published Feb 2016  
Ethics

## A Companion to Locke

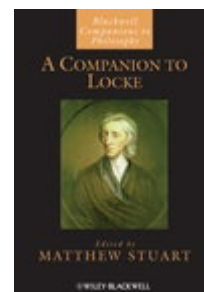
EDITOR MATTHEW STUART

Bowdoin College, USA

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

SERIES: BLACKWELL COMPANIONS  
TO PHILOSOPHY

MAY 2021 544PP  
978-1-119-10990-7 PB \$45.95 (Japan)  
9781405178150 CL \$202.75 (Japan), Published Nov 2015  
17th & 18th Century Philosophy



## What is Philosophy of Mind?

TOM MCCLELLAND

READERSHIP: Beginning level  
students of philosophy of mind

SERIES: WHAT IS PHILOSOPHY?

MAY 2021 144PP  
978-1-5095-3876-8 CL \$64.95 (Japan)  
978-1-5095-3877-5 PB \$19.95 (Japan)  
Philosophy of Mind



## 政治学

**This is Philosophy of Religion**

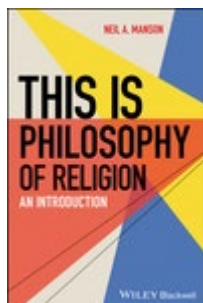
An Introduction

NEIL A. MANSON

Ole Miss University

SERIES: THIS IS PHILOSOPHY

MAY 2021 224PP  
 978-0-470-67428-4 PB \$34.95 (Japan)  
 Philosophy of Religion

**Gerrymandering**

The Politics of Redistricting in the United States

STEPHEN K MEDVIC

READERSHIP: Students taking introductory courses on American government, campaigns and elections, political parties, Congress or legislative politics.

MAY 2021 224PP  
 978-1-5095-3686-3 CL \$64.95 (Japan)  
 978-1-5095-3687-0 PB \$22.95 (Japan)  
 American Politics

**Prophecy and Power**

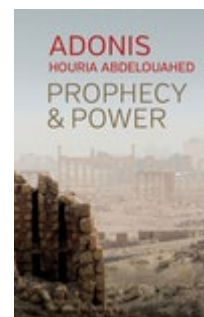
Violence and Islam II

ADONIS, HOURIA ABDELOUAHED &amp; TRANSLATED BY JULIE ROSE

Qassabine, Syria

READERSHIP: A broad general readership, especially those interested in the politics and society of the Middle East, the rise of ISIS and the study of Islam; followers of Adonis; students of Islamic modernism, poetry and history

MAY 2021 240PP  
 978-1-5095-4214-7 CL \$64.95 (Japan)  
 978-1-5095-4215-4 PB \$19.95 (Japan)  
 Middle Eastern Politics



## 心理学

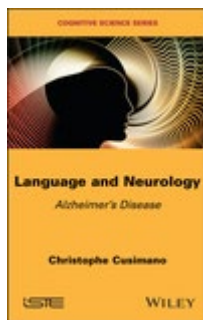
## Language and Neurology

## Alzheimer's Disease

CHRISTOPHE CUSIMANO

This book questions the relationship and compatibility between current beliefs in neurology and contemporary textual linguistic theories, interpretative semantics and discourse analysis.

It begins with a critical examination of the screenings for Alzheimer's type dementia through cognitive testing, particularly screenings where language is used. It then analyzes the various linguistic properties (morphological, syntactic and semantic) of the speech of Alzheimer's patients, which can be troubling for both caregivers and their environment in general. More than a synthesis of critical linguistic reflections, *Language and Neurology* provokes a fruitful reflection through adjustments suggested by the acquired knowledge of textual semantics.



MAY 2021 192PP  
978-1-78630-662-3 CL \$165.00 (Japan)  
Cognitive Science

## Game Play

## Therapeutic Use of Games with Children and Adolescents, 3rd Edition

EDITOR JESSICA STONE &amp; EDITOR CHARLES E. SCHAEFER

Farleigh Dickinson University

**The essential guide to game play therapy for mental health practitioners**

The revised and updated third edition of *Game Play Therapy* offers psychologists and psychiatrists a guide to game play therapy's theoretical foundations and contains the practical applications that are appropriate for children and adolescents. Game playing has proven to invoke more goal-directed behavior, has the benefit of interpersonal interaction, and can perform a significant role in the adaptation to one's environment. With contributions from noted experts in the field, the third edition contains information on the time-tested, classic games and the most recent innovations and advances in game play approaches.

*Game Play Therapy's* revised third edition (like the previous editions) continues to fill a gap in the literature by offering mental health practitioners the information needed to understand why and how to use this intervention effectively. The contributors offer advice for choosing the most useful games from the more than 700 now available and describe the fundamentals of administering the games.

Written for psychologists, psychiatrists, and other mental health clinicians, the revised third edition of *Game Play Therapy* offers a guide that shows how to apply game therapy techniques to promote socialization, encourage the development of identity and self-esteem, and help individuals master anxiety.

MAY 2021 UnknownPP  
978-1-119-69221-8 PB \$32.99 (Japan)  
9781119553762 CL \$99.00 (Japan), Published Dec 2019  
Developmental Psychology

## The Handbook of Solitude

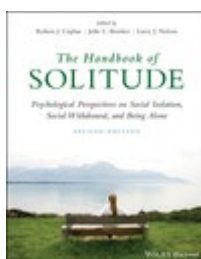
Psychological Perspectives on Social Isolation, Social Withdrawal, and Being Alone, 2nd Edition

EDITOR ROBERT J. COPLAN, EDITOR JULIE C. BOWKER & EDITOR LARRY J. NELSON

Carleton University, Canada

**Learn more about the positive and negative psychological effects of solitude, isolation, and being alone in this expertly edited resource**

It has never been more important to understand the impact of solitude. The newly revised and updated second edition of *The Handbook Of Solitude: Psychological Perspectives On Social Isolation, Social Withdrawal, and Being Alone* delivers another comprehensive academic volume of psychological research on the topic of solitude. This second edition includes a new organizational framework that considers both contemporary and emerging conceptual perspectives along with a more nuanced approach to the significance of context in the study of solitude. There is also an increased focus on clinical, developmental, and social psychological perspectives.



The latest edition also offers new discussions regarding recent trends in the positive aspects of solitude, including a new chapter on mindfulness, and provides more detailed coverage of the emerging impact of social media and computer gaming on psychological health and well-being across the lifespan. Scholars from across the world have contributed to this volume, coming from countries including Australia, Canada, China, Finland, Greece, Poland, South Korea and the USA, among others.

Perfect for advanced undergraduate and graduate level students taking a variety of courses in developmental, biological, social, personality, organizational, health, educational, cognitive, and clinical psychology, the second edition of *The Handbook Of Solitude* has also earned a place in the libraries of researchers and scholars in these, and related psychological disciplines.

MAY 2021 UnknownPP  
978-1-119-57638-9 CL \$209.00 (Japan)  
DEVELOPMENTAL PSYCHOLOGY

## The Wiley Handbook of Developmental Psychology in Practice

Implementation and Impact

EDITOR KEVIN DURKIN & EDITOR H. RUDOLPH SCHAFFER

University of Strathclyde, UK; University of Strathclyde

**READERSHIP:** The book is most likely to appeal to advanced psychology undergraduates, students in child studies courses, postgraduates in Developmental Psychology and Applied Developmental Science courses, and staff in the developmental and applied areas. However, such a book will be of interest to a wider readership than academics alone; in particular it will also be relevant to policy makers and to practitioners such as teachers, social workers, lawyers and others engaged in fostering the well-being of children.



**SERIES:** WILEY BLACKWELL HANDBOOKS OF DEVELOPMENTAL PSYCHOLOGY

MAY 2021 552PP  
978-1-119-09571-2 PB \$45.00 (Japan)  
9781405163361 CL \$202.75 (Japan), Published, FEB 2016  
Developmental Psychology

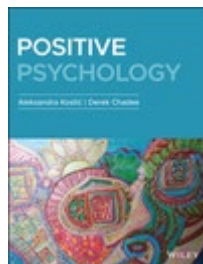
## Positive Psychology

### An International Perspective

EDITOR ALEKSANDRA KOSTIC & EDITOR DEREK CHADEE

University of the West Indies, USA

Bringing together today's most prominent positive psychology researchers to discuss current themes and issues in the field



Positive psychology is the scientific study of the strengths, rather than the weaknesses, in human thoughts, feelings, and behaviors. For much of its history, psychology has focused on the negative, completely overlooking the positive attributes that allow individuals and communities to thrive. Positive Psychology is a collection of essays that together constitute a much-needed theoretical rationale and critical assessment of the field. This book assesses what we already know and provides directions for the future. Contributors are leading international authors, including Paul Ekman, Robert Sternberg, Vittorio Caprara, C. Daniel Batson, Illona Boniwell, and Eve Ekman, among others. These luminaries write in a way that is rigorous enough for academic use but accessible to professionals, policymakers, and lay audiences as well.

The content of Positive Psychology is divided into two sections: theoretical and applied. Among the issues presented are: advances in positive psychology and interventions, time perspective, empathy-altruism, mindfulness, positive orientation, love, forms of enjoyment, positive cyber psychology, epigenetic and physiological implications of positive psychology, and positive creativity. This wide-ranging book covers the latest issues in an attempt to bring together emerging answers to open, neglected or unresolved questions about this relatively new area in the discipline of social psychology.

No other book currently on the market addresses such a breadth of issues in positive psychology. Positive Psychology represents a significant theoretical boost to this exciting field.

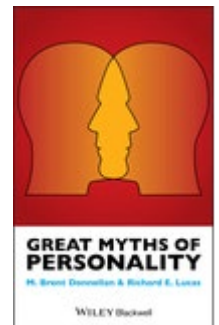
MAY 2021 340PP  
978-1-119-66644-8 PB \$45.00 (Japan)  
Social Psychology

## Great Myths of Personality

M. BRENT DONNELLAN & RICHARD E. LUCAS

Michigan State University; Michigan State University

*Great Myths of Personality* teaches critical thinking skills and key concepts of personality psychology through the discussion of popular myths and misconceptions.



- Provides a thorough look at contemporary myths and misconceptions, such as: Does birth order affect personality? Are personality tests an accurate way to measure personality? Do romantic partners need similar personalities for relationship success?
- Introduces concepts of personality psychology in an accessible and engaging manner
- Focuses on current debates and controversies in the field with references to the latest research and scientific literature

SERIES: GREAT MYTHS OF PSYCHOLOGY

MAY 2021 272PP  
978-1-118-52139-7 CL \$79.95 (Japan)  
978-1-118-52135-9 PB \$24.95 (Japan)  
Personality & Individual Differences



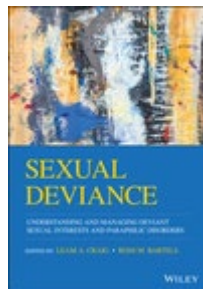
## Sexual Deviance

### Understanding, Assessing and Managing Deviant Sexual Interests and Paraphilic Disorders

EDITOR LEAM A. CRAIG & EDITOR ROSS M. BARTELS

Forensic Psychology Practice Ltd, UK

While sexual deviance and the diagnostic presence of algolagnic paraphilic disorders are often found within forensic settings, the developmental pathway of sexual deviance and such disorders are less well understood. A number of controversial changes were considered during the DSM-V (APA, 2013) revision process, but not included in the final text. However, changes to paraphilic disorder were made which make it easier to diagnose a specific paraphilia. While changes to diagnostic criteria have attempted to add clarity in clinical practice, the developmental influences and maintenance of sexual deviance and paraphilic disorders remains aloof. The present proposal aims to clarify these issues as well as expanding on areas of assessment, management, and treatment of sexual deviance and paraphilic disorders. Since the assignment of a paraphilic disorder diagnosis can result in adverse legal consequences, the actual forensic impact of the changes will depend on how the legal system incorporates these new definitions into statutes and case law. The text begins by exploring the emerging theories in explaining the development of sexual deviance before considering the developmental influences such as neurobiological pathways as well as the effects of pornography. Particularly attention is paid to the assessment and diagnosis of sexual deviance, which is followed by a section on the links to offending behaviour including rape fantasy, algolagnic paraphilic, online viewing of indecent images of children and sexual sadism. The next section examines the effectiveness of current treatments (behavioural, pharmacological, cognitive behavioural treatment, systemic) for (illegal) DSM paraphilias, and sexual offending more generally.



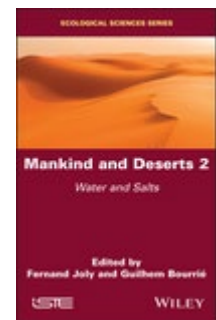
MAY 2021 315PP  
978-1-119-70583-3 PB \$55.00 (Japan)  
Health & Behavioral Clinical Psychology

## Mankind and Deserts 2

### Water and Salts

EDITOR FERNAND JOLY & EDITOR GUILHEM BOURRIE

The wild beauty of deserts has always been a source of fascination the world over. Mankind and Deserts 2 - the second of three volumes- focuses on water, its absence or indeed its extreme scarcity, as well as on the ways in which salts come to be formed in areas such as these.



Aridity of the climate does not exclude rainfall, after which deserts flourish; wet mists, dew, exceptional events separated by years of total drought. Water flows into temporary and disorganized networks but, occasionally, large rivers cross the deserts, giving rise to vibrant civilizations: the Nile, Tigris and Euphrates, Niger, to name a few. Temporary or permanent lakes collect water in basins without outlet to the ocean, referred to as endorheic basins, such as Lake Chad. This results in salt accumulation and evaporitic formations. A large variety of salts crystallize, in addition to halite, among which is potash. Halite "common salt" is an essential resource and its trade leads to the creation of salt caravans, used to exchange it with gold, even on a 1-1 weight basis, generating subsequent wealth. From ancient, almost mythical, exploration to modern scientific studies, deserts have come to be better known yet still hold great appeal. This book traces the history of their knowledge while providing a basis for understanding their features and the tools needed for their protection, in an ever-changing world.

MAY 2021 176PP  
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Ecological & Community Clinical Psychology

## A Young Man's Guide to Self-Mastery, Journal

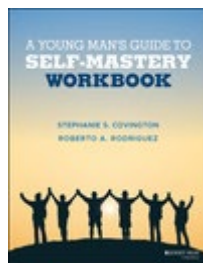
STEPHANIE S. COVINGTON & ROBERTO RODRIGUEZ

### How practitioners can work with young male clients within a gender-responsive treatment program

Adverse life events can experience significant impairment in neural development which can lead to weakened critical thinking, diminished emotional intelligence, and increased antisocial behavior. Statistics show that traditional treatment programs are inadequate in helping young men--estimated to account for 68% of all teens struggling with substance use disorder--to achieve sustained abstinence that leads to recovery.

*A Young Man's Guide to Self-Mastery* provides practical guidance on implementing an effective trauma-informed, gender-responsive treatment program that addresses the impact of socialization, adverse life experiences, and substance use. This invaluable guide explains the theoretical foundation and real-life connection between trauma and substance use, and provides clear guidelines and actionable strategies for treating boys and young men challenged by trauma and substance use disorder.

*A Young Man's Guide to Self-Mastery* is an invaluable resource for practitioners working with male adolescents in mental health clinics, juvenile justice facilities, and residential and outpatient facilities.



MAY 2021 704PP  
978-1-119-62775-3 PB \$14.95 (Japan)  
Addictions

## The Adult Psychotherapy Progress Notes Planner

6th Edition

ARTHUR E. JONGSMA JR., TIMOTHY J. BRUCE, PEORIA, DAVID J. BERGHUIS, GRAND RAPIDS & KATHERINE PASTOOR

University of Illinois College of Medicine in Peoria, Illinois. ;  
Psychological Consultants, Grand Rapids, Michigan

### Reduce paperwork and increase efficiency with this indispensable companion to the *Complete Adult Psychotherapy Treatment Planner, Sixth Edition*

The newly revised sixth edition of *The Adult Psychotherapy Progress Notes Planner*, delivers complete prewritten session and patient presentation descriptions for each behavioral problem described in the *Complete Adult Psychotherapy Treatment Planner, Sixth Edition*. These prewritten progress notes can easily be adapted to fit a particular client need or treatment situation.

*The Progress Notes Planner* will save you hours of time-consuming paperwork while allowing you to retain the flexibility you need to adapt your notes to each individual patient. The *Planner* is organized around the 44 behaviorally based problems found in the sixth edition of the *Complete Adult Psychotherapy Treatment Planner*, including depression, chronic pain, anxiety, and more.

*The Progress Notes Planner* identifies the latest evidence-based treatment clinical interventions with language that satisfies the requirements of managed care and accrediting agencies, like CARF, TJC, COA, and the NCQA.

Perfect for any professional who performs psychotherapy with the *Complete Adult Psychotherapy Treatment Planner, Sixth Edition*, the sixth edition of *The Adult Psychotherapy Progress Notes Planner* will also earn a place on the bookshelves of professors and students of psychotherapy programs and courses, as well as any university or private professional school that trains counselors or psychotherapists.

SERIES: PRACTICEPLANNERS

MAY 2021 528PP  
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PSYCHOTHERAPY & COUNSELING

## 宗教

**The Complete Adult Psychotherapy Treatment Planner**

6th Edition

ARTHUR E. JONGSMA JR., L. MARK PETERSEN &amp; TIMOTHY J. BRUCE, PEORIA

University of Illinois College of Medicine in Peoria, Illinois.

**The revised edition of the clinicians' time-saving Psychotherapy Treatment Planner**

Revised and updated, the sixth edition of *The Complete Adult Psychotherapy Treatment Planner* offers clinicians a timesaving, evidence-based guide that helps to clarify, simplify and accelerate the treatment planning process so they can spend less time on paperwork and more time with clients. The authors provide all the elements necessary to quickly and easily develop formal, customizable treatment plans that satisfy the demands of HMOs, managed-care companies, third-party payers and state and federal agencies.

This revised edition includes new client Short-Term Objectives and clinician Therapeutic Interventions that are grounded in evidence-based treatment wherever research data provides support to an intervention approach. If no research support is available a best practice standard is provided. This new edition also offers two new presenting problem chapters (Loneliness and Opioid Use Disorder) and the authors have updated the content throughout the book to improve clarity, conciseness and accuracy.

Written for psychologists, therapists, counselors, social workers, addiction counselors, psychiatrists, and other mental health professionals, *The Complete Adult Psychotherapy Treatment Planner, Sixth Edition* has been updated to contain the most recent interventions that are evidence-based.

SERIES: PRACTICEPLANNERS

MAY 2021 592PP  
978-1-119-62993-1 PB \$70.00 (Japan)  
PSYCHOTHERAPY & COUNSELING

**Islamicate Cosmopolitan Spirit**

BRUCE B. LAWRENCE

READERSHIP: This is a book aimed at the educated general reader (particularly in North America) but, as one of the reviewers points out, it could also find a place on some mid-level undergraduate courses on the Muslim World or Islam Today.

SERIES: WILEY-BLACKWELL MANIFESTOS

MAY 2021 224PP  
978-1-4051-5514-4 PB \$45.00 (Japan)  
Islam

## 社会学

**A Contemporary Introduction to the Bible**

Sacred Texts and Imperial Contexts, 2nd Edition

DAVID M. CARR &amp; COLLEEN M. CONWAY

Union Theological Seminary, New York, USA; Seton Hall University

This fully revised edition provides a brief, up-to-date introduction to the Bible (both Old Testament/Hebrew Bible and New Testament), placed it in a broader context of world history. The textbook tells a story of the emergence of the Bible, organizing coverage of Biblical books along a historical framework. The major scenes of the story are the various empires that influenced the shape of the Bible: Mesopotamian and Egyptian, Assyrian, Babylonian, Persian, and Hellenistic and Roman. It also shows ways that the Bible was interpreted differently by Jews and Christians in later historical contexts, as each community used the same traditions to guide and make sense of their lives. It also introduces the reader to a range of traditional and contemporary scholarly approaches used to explore the formation of the Bible and its subsequent interpretation.

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BIBLICAL STUDIES

**Culture and Art**

Selected Writings, Volume 1

ZYGMENT BAUMAN, DARIUSZ BREZEZIŃSKI, THOMAS C. CAMPBELL, MARK E. DAVIS &amp; JACK PALMER

Universities of Leeds and Warsaw; Illinois Central College; Virginia Polytechnic Institute and State University

READERSHIP: Undergraduate and graduate students and academics in sociology, literature, cultural studies and related subjects; and interested general readers.

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General Sociology

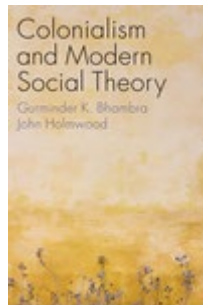


## Colonialism and Modern Social Theory

GURMINDER K. BHAMBRA & JOHN HOLMWOOD

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Social Theory



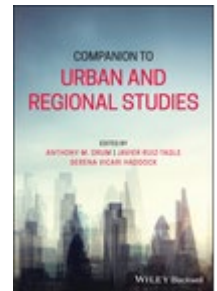
## Companion to Urban and Regional Studies

ANTHONY M. ORUM

University of Illinois Chicago

**Indispensable overview and timely coverage of the major issues, debates, and research topics in urban and regional studies**

*Companion to Urban and Regional Studies* offers an up-to-date view of the rapidly growing field, exploring a diversity of theoretical perspectives, current and emerging research, and critical global policy concerns. Uniquely broad in geographical and thematic scope, this comprehensive volume brings together essays by more than fifty international scholars and researchers to provide expert assessments spanning the many dimensions of urban studies.



Organized into five parts, the *Companion* begins with a review of the current state of cities across East Asia, Sub-Saharan Africa, North America, and Europe, Latin America, and all other world regions. Subsequent sections discuss contemporary theoretical perspectives, describe common methodological approaches used by urban scholars, and examine the political, social, and economic problems facing twenty-first century cities.

*Companion to Urban and Regional Studies* is essential reading for scholars, researchers, practitioners, urban activists, and students, and it represents a must-have complement to *The Wiley Blackwell Encyclopedia of Urban and Regional Studies*.

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Urban Sociology



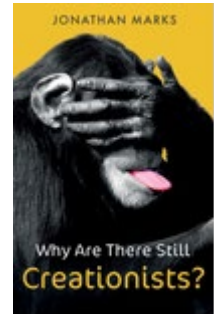
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Sociology of Science & Technology





## 統計学

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978-1-5095-4039-6 PB \$28.95 (Japan)  
Social Policy

**Random Motions in Markov and Semi-Markov Random Environments 1**

Homogeneous Random Motions and their Applications

ANATOLIY POGORUI, ANATOLIY SWISHCHUK &amp; RAMON M. RODRIGUEZ-DAGNINO

This book is the first of two volumes on random motions in Markov and semi-Markov random environments. This first volume focuses on homogenous random motions. This volume consists of two parts, the first describing the basic concepts and methods that have been developed for random evolutions. These methods are the foundational tools used in both volumes, and this description includes many results in potential operators. Some techniques to find closed-form expressions in relevant applications are also presented. The second part deals with asymptotic results and presents a variety of applications, including random motion with different types of boundaries, the reliability of storage systems and solutions of partial differential equations with constant coefficients, using commutative algebra techniques. It also presents an alternative formulation to the Black-Scholes formula in finance, fading evolutions and telegraph processes, including jump telegraph processes and the estimation of the number of level crossings for telegraph processes.



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978-1-78630-547-3 CL \$165.00 (Japan)  
Probability & Mathematical Statistics

## Random Motions in Markov and Semi-Markov Random Environments 2

High-dimensional Random Motions and Financial Applications

ANATOLIY POGORUI, ANATOLIY SWISHCHUK & RAMON M. RODRIGUEZ-DAGNINO

This book is the second of two volumes on random motions in Markov and semi-Markov random environments. This second volume focuses on high-dimensional random motions. This volume consists of two parts. The first expands many of the results found in Volume 1 to higher dimensions. It presents new results on the random motion of the realistic three-dimensional case, which has so far been barely mentioned in the literature, and deals with the interaction of particles in Markov and semi-Markov media, which has, in contrast, been a topic of intense study.

The second part contains applications of Markov and semi-Markov motions in mathematical finance. It includes applications of telegraph processes in modeling stock price dynamics and investigates the pricing of variance, volatility, covariance and correlation swaps with Markov volatility and the same pricing swaps with semi-Markov volatilities.



MAY 2021 224PP  
978-1-78630-706-4 CL \$165.00 (Japan)  
Probability & Mathematical Statistics

## Accelerated Life Testing of One-shot Devices

Data Collection and Analysis

N. BALAKRISHNAN, HAMILTON, ONTARIO, CANADA, MAN HO LING & HON YIU HENRY SO

McMaster University, Hamilton, Canada

A one-shot device is a unit that performs its function only once and cannot be used for testing more than once. Examples include electric explosive devices, fire extinguishers, airbags in cars, and missiles. While testing one-shot devices, only the condition of the device at a specific inspection time can be recorded, and exact failure times cannot be obtained from the test. As a result, the lifetimes of devices are either left- or right-censored. Due to a lack of lifetime data collected in life-tests, estimating the reliability of one-shot devices in traditional approaches becomes challenging. This book primarily focuses on fundamental issues of statistical modeling based on one-shot device testing data collected from accelerated life-tests. This book also provides advanced statistical techniques. For instance, expectation-maximization algorithms and Bayesian approaches to deal with the estimation challenges, along with comprehensive data analysis of one-shot devices under accelerated life-tests. Readers may apply the techniques from this book to their own lifetime data with censoring. This book is ideal for graduate students, researchers, and engineers working on accelerated life testing data analysis.



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Quality, Productivity & Reliability

## Statistical Issues in Drug Development

3rd Edition

STEPHEN S. SENN

University College, London

The revised third edition of *Statistical Issues in Drug Development* delivers an insightful treatment of the intersection between statistics and the life sciences. The book offers readers new discussions of crucial topics, including cluster randomization, historical controls, responder analysis, studies in children, post-hoc tests, estimands, publication bias, the replication crisis, and many more.

This work presents the major statistical issues in drug development in a way that's that is accessible and comprehensible to life scientists working in the field, and takes pains not to gloss over significant disagreements in the field of statistics, while encouraging communication between the statistical and life sciences disciplines. In addition to new material on topics like invalid inversion, severity, random effects in network meta-analysis, and explained variation, readers will benefit from the inclusion of:

- A thorough introduction to basic topics in drug development and statistics, including the role played by statistics in drug development
- An exploration of the four views of statistics in drug development, including the historical, methodological, technical, and professional
- An examination of debatable and controversial topics in drug development, including the allocation of treatments to patients in clinical trials, baselines and covariate information, and the measurement of treatment effects

Perfect for life scientists and other professionals working in the field of drug development, *Statistical Issues in Drug Development* is the ideal resource for anyone seeking a one-stop reference to enhance their understanding of the use of statistics during drug development.

SERIES: STATISTICS IN PRACTICE

MAY 2021 624PP  
978-1-119-23857-7 CL \$120.00 (Japan)  
BIOSTATISTICS

## Evidence Synthesis using Individual Participant Data

RICHARD RILEY, JAYNE TIERNEY & LESLEY STEWART

This book is a pivotal textbook for those considering, undertaking or appraising an evidence synthesis based on IPD for clinical research, especially those interested in intervention effects, modifiers of treatment response, identification of risk or prognostic factors, and the development and validation of risk prediction models. It covers all the key concepts and stages of a systematic review and meta-analysis of IPD, focusing primarily on the synthesis of randomised trials, as well as specialist topics, such as risk prediction, observational studies and advanced statistical methods.

The book offers non-technical and practical examples, summary and learning points, and guidance including reporting criteria, software demonstrations, and illustrated applications.

Describing the key features of the approach, this book will enable the reader to:

- Understand when the IPD approach is needed
- How to undertake the systematic review and identify relevant evidence
- How to obtain, check and manage the IPD
- How to minimise potential biases and clearly report methods and results
- How to make the best use of IPD meta-analyses to inform policy, practice and research.

Case-study chapters are also provided, where the trials and tribulations of undertaking IPD projects of randomised trials and observational studies are described by researchers in a range of clinical fields.

SERIES: STATISTICS IN PRACTICE

MAY 2021 350PP  
978-1-119-33372-2 CL \$90.00 (Japan)  
Medical Statistics & Epidemiology

## New Horizons in Modeling and Simulation for Social Epidemiology and Public Health

DANIEL KIM

RAND Corporation

### New Horizons in Modeling and Simulation for Social Epidemiology and Public Health

*New Horizons in Modeling and Simulation for Social Epidemiology and Public Health* offers a comprehensive introduction to modeling and simulation that addresses the many complex research questions in social epidemiology and public health.

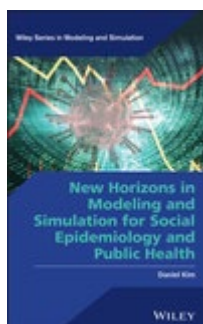
Practical applications and illustrative examples are highlighted throughout the book, including classic case examples in agent-based modeling (ABM) and essential information on ABM use for infectious disease modeling, obesity and tobacco control.

The book also explores microsimulation (MSM) and explains how to make informed choices regarding time and space, data, policy rules and scope, population structure, validation, and more. In addition, the book addresses future directions for empirical research using ABM and MSM, such as convergence of aspects of both ABM and MSM into the same analyses, and examines the potential policy implications of findings of more complex and integrative models.

Written for policy analysts, public planners, and practitioners in public health and public policy, *New Horizons in Modeling and Simulation for Social Epidemiology and Public Health* offers a fundamental guide to the social determinants of health and the use of ABM and MSM in the social sciences and public health.

SERIES: WILEY SERIES IN MODELING AND SIMULATION

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Medical Statistics & Epidemiology



## Analysis of Big Dependent Data

DANIEL PEÑA & RUEY S. TSAY

University of Chicago, IL, USA

### Master advanced topics in the analysis of large, dynamically dependent datasets with this insightful resource

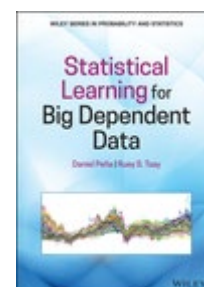
*Statistical Learning with Big Dependent Data* delivers a comprehensive presentation of the statistical and machine learning methods useful for analyzing and forecasting large and dynamically dependent data sets. The book presents automatic procedures for modelling and forecasting large sets of time series data. Beginning with some visualization tools, the book discusses procedures and methods for finding outliers, clusters, and other types of heterogeneity in big dependent data. It then introduces various dimension reduction methods, including regularization and factor models such as regularized Lasso in the presence of dynamical dependence and dynamic factor models. The book also covers other forecasting procedures, including index models, partial least squares, boosting, and now-casting. It further presents machine-learning methods, including neural network, deep learning, classification and regression trees and random forests. Finally, procedures for modelling and forecasting spatio-temporal dependent data are also presented.

Throughout the book, the advantages and disadvantages of the methods discussed are given. The book uses real-world examples to demonstrate applications, including use of many R packages. Finally, an R package associated with the book is available to assist readers in reproducing the analyses of examples and to facilitate real applications.

Perfect for PhD students and researchers in business, economics, engineering, and science: *Statistical Learning with Big Dependent Data* also belongs to the bookshelves of practitioners in these fields who hope to improve their understanding of statistical and machine learning methods for analyzing and forecasting big dependent data.

SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

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978-1-119-41738-5 CL \$140.00 (Japan)  
Data Analysis



## Big Data

Concepts, Technology, and Architecture

BALAMURUGAN BALUSAMY, NANDHINI ABIRAMI R & AMIR H. GANDOMI

This book offers comprehensive coverage of Big Data tools, terminologies and technologies for researchers, business professionals and graduates. This book begins with an overview of what Big Data is and emphasizes all the key concepts of big data end to end. Big Data concepts, technologies, terminologies and storing, processing and analysis techniques and much more -- are all logically organized and reinforced by diagrams and case studies. This book refines readers' understanding of Big Data with in-depth analysis of key concepts. The case studies provided in this book give insight on key concepts. The initial chapters of the book shed light on various characteristics of Big Data that distinguish it from traditional Database Management systems. Big Data Analytics are covered in detail in a separate chapter. Hadoop, the heart of Big Data is handled in the Big Data processing chapter and a deep understanding of its concepts is provided.



MAY 2021 384PP  
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Data Analysis

## Applied Univariate, Bivariate, and Multivariate Statistics

Understanding Statistics for Social and Natural Scientists, With Applications in SPSS and R

2nd Edition

DANIEL J. DENIS

### AN UPDATED GUIDE TO STATISTICAL MODELING TECHNIQUES USED IN THE SOCIAL AND BEHAVIORAL SCIENCES

The revised and updated second edition of *Applied Univariate, Bivariate, and Multivariate Statistics: Understanding Statistics for Social and Natural Scientists, with Applications in SPSS and R* contains an accessible introduction to statistical modeling techniques commonly used in the social and behavioral sciences. The text offers a blend of statistical theory and methodology and reviews both the technical and theoretical aspects of good data analysis.

Featuring applied resources at various levels, the book includes statistical techniques using software packages such as R and SPSS®. To promote a more in-depth interpretation of statistical techniques across the sciences, the book surveys some of the technical arguments underlying formulas and equations. The thoroughly updated edition includes new chapters on nonparametric statistics and multidimensional scaling, and expanded coverage of time series models. The second edition has been designed to be more approachable by minimizing theoretical or technical jargon and maximizing conceptual understanding with easy-to-apply software examples. This important text:



Written for students of social and applied sciences, *Applied Univariate, Bivariate, and Multivariate Statistics, Second Edition* offers a text to statistical modeling techniques used in social and behavioral sciences.

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MULTIVARIATE ANALYSIS



## Administrative Records for Survey Methodology

ASAPH YOUNG CHUN & MICHAEL D. LARSEN

University of Maryland; Harvard University

Featuring contributions from well-known international experts, this book addresses the methodological issues involved in administrative data research as well as the various concerns users face with administrative records such as issues of privacy, confidentiality, and legality. The book illustrates numerous real-world examples of administrative data research from various countries, culminating in a comprehensive guide to administrative data in statistical surveys. This historical and international perspective provides readers with a better understanding of the practical applications and approaches needed for improving the quality of surveys, controlling the cost of survey data collection, and integrating administrative data with other data obtained from surveys and censuses. This book also features detailed coverage on the advanced statistical techniques for the control of data quality and reduction in total survey error. The first part of the book focuses on the theory of total administrative records error and provides relevant practices case studies tied to the survey life-cycle, while the second part of the book features the technical issues of processing and linking administrative data with multiple sources of data in multimode data collection. Bayesian approaches are linked to real-world applications for the use of administrative data in surveys and censuses over the survey life cycle, and the relevance of how these cutting-edge techniques can affect administrative records research is illustrated in key sectors of health, economy, and education. In addition, these technological and statistical innovations are used to advance the systematic integration of administrative data, improve the survey frame, reduce nonresponse follow-up, and assess coverage error.



SERIES: WILEY SERIES IN SURVEY METHODOLOGY

MAY 2021 400PP  
978-1-119-27204-5 CL \$125.00 (Japan)  
Survey Research Methods & Sampling

## Business Experiments with R

B. D. MCCULLOUGH

**A unique text that simplifies experimental business design and is dedicated to the R language**

*Business Experiments with R* offers a guide and explores the fundamentals of experiment business designs. The book fills a gap in the literature with its discussion of business statistics, addressing issues such as small samples, lack of normality, and data confounding. The author--a noted expert on the topic--puts the focus on the A/B tests (and their variants) that are widely used in industry but not typically covered in business statistics textbooks.



The text contains the tools needed to design and analyze two-treatment experiments (i.e., A/B tests) to answer business questions. The author highlights the strategic and technical issues involved in designing experiments that will truly affect organizations. The book then builds on the foundation laid in Part I and expands on multivariable testing. Today's companies use experiments to solve a broad range of problems, and *Business Experiments with R* is an essential resource for any business student. This important text:

- Presents the key ideas that business students need to know about experiments
- Offers a series of examples, focusing on specific business questions
- Helps develop the ability to frame ill-defined problems and determine what data and types of analysis provide information about each problem
- Contains supplementary material, such as data sets available to everyone and an instructor-only companion site featuring lecture slides and an answer key

Written for students of general business, marketing, and business analytics, *Business Experiments with R* is an important text that helps to answer business questions by highlighting the strategic and technical issues involved in designing experiments that will truly affect organizations.

MAY 2021 384PP  
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Data Mining Statistics



## テストプレップ

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TEST PREP GENERAL

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Exam SY0-601, 6th Edition

MIKE CHAPPLE &amp; DAVID SEIDL

University of Notre Dame

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The CompTIA Security+ Certification Kit includes *CompTIA Security+ Study Guide: Exam SY0-601*, 8th Edition, and the *CompTIA Security+ Practice Tests: Exam SY0-601*, 2nd Edition. Together, both books provide comprehensive review for the CompTIA Security+ SY0-601 certification exam. The Kit covers:



- Assessing the security posture of an enterprise environment, and recommending and implementing appropriate security solutions
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- Operating with an awareness of applicable laws and policies, including principles of governance, risk, and compliance
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The *Study Guide* has been completely revised to align with the latest version of the exam objectives. The Practice Tests includes hundreds of domain-by-domain questions plus practice exams to test your knowledge of the topics. Receive one year of FREE access after activation to the Sybex online interactive learning environment, to help you prepare with superior study tools, rigorous questions, and practice exams that allow you to gauge your readiness and avoid surprises on exam day.

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CERTIFICATION (MSCE, NOVELL, ETC.)

## CWNA Certified Wireless Network Administrator Study Guide

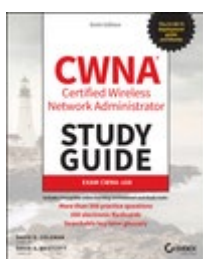
Exam CWNA-108, 6th Edition

DAVID D. COLEMAN & DAVID A. WESTCOTT

Alcoa Technical Center

### The #1 selling Wi-Fi networking reference guide in the world

The *CWNA: Certified Wireless Network Administrator Study Guide* is the ultimate preparation resource for the CWNA exam. Fully updated to align with the latest version of the exam, this book features expert coverage of all exam objectives to help you pass the exam. But passing the exam is just a first step. For over 16 years, the *CWNA Study Guide* has helped individuals jump-start their wireless networking careers. Wireless networking professionals across the globe use this book as their workplace reference guide for enterprise Wi-Fi technology.



The book authors have over 40 years of combined Wi-Fi networking expertise and provide real-world insights that you can leverage in your wireless networking career. Each of the book's 20 chapters breaks down complex topics into easy to understand nuggets of useful information. Each chapter has review questions that help you gauge your progress along the way. Additionally, hands-on exercises allow you to practice applying CWNA concepts to real-world scenarios. You also get a year of free access to the Sybex online interactive learning environment, which features additional resources and study aids, including bonus practice exam questions.

The CWNA certification is a de facto standard for anyone working with wireless technology. It shows employers that you have demonstrated competence in critical areas, and have the knowledge and skills to perform essential duties that keep their wireless networks functioning and safe. The *CWNA: Certified Wireless Network Administrator Study Guide* gives you everything you need to pass the exam with flying colors.

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## 獣医学

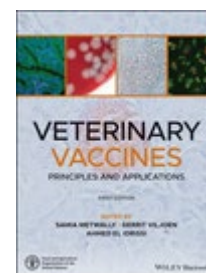
## Veterinary Vaccines

Principles and Applications

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

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



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- Provides a clear and comprehensive guide on using veterinary vaccines to protect livestock from diseases
- Teaches the principles of vaccinology and vaccine immune response
- Highlights the vaccine production schemes and standards for quality control testing
- Offers easy-to-read reviews of the most current research on the subject
- Gives readers advice and recommendations on which vaccination schemes are most effective

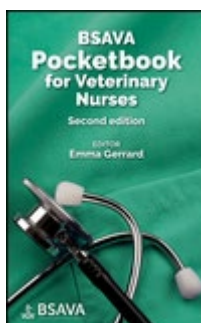
*Veterinary Vaccines: Principles and Applications* is an important resource for veterinary practitioners, animal health department officials, vaccine scientists, and veterinary students. It will also be of interest to professional associations and NGO active in livestock industry.

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