

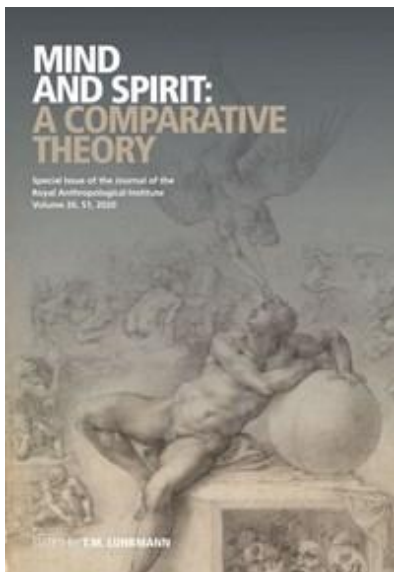


# Wiley EMEA Reference Catalogue

October-December 2020

[www.wiley.com](http://www.wiley.com)

WILEY



## Mind and Spirit A Comparative Theory

Tanya Marie Luhrmann

### Summary

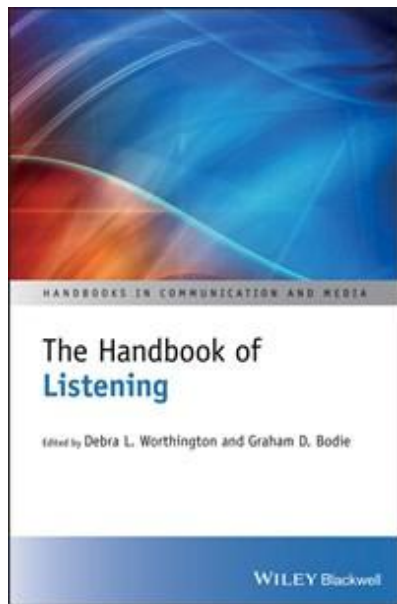
Does the way we think about our minds matter? Our judgements about what counts as thought are so intimate that we may not even realize that we make them. But we do – and the way we make them has consequences for our sense of the real.

- The Mind and Spirit project (presented in this volume) finds that the way people think about thinking, shapes the way they experience (what they take to be) gods and spirits
- Authors are a team of anthropologists and psychologists who worked together for two years across sites in the United States, Ghana, Thailand, China, and Vanuatu
- Argues that there are cultural differences in the way social worlds represent 'the mind' – we call these local theories of mind – and that these differences affect whether and how people, for instance, hear the voices of the dead or feel the presence of God
- Discusses how the ways people think about thought and interiority can alter human sensory experience itself

### Contributor Bio

**T.M. Luhrmann** is the Watkins University Professor at Stanford University, in the Stanford Anthropology Department (and Psychology, by courtesy). Her work focuses on local theory of mind and the edge of experience: on voices, visions, the world of the supernatural, and the world of psychosis. She was elected to the American Academy of Arts and Sciences in 2003 and received a John Guggenheim Fellowship award in 2007.

Wiley-Blackwell  
9781119712886  
Ship Date: 11/06/2020  
\$34.95/£19.99 UK/€22.60 EU  
Discount Code: P  
Paperback  
  
168 Pages  
Series: Journal of the Royal  
Anthropological Institute Special  
Issue Book Series



## The Handbook of Listening

Debra L. Worthington, Graham D. Bodie

### Summary

The Handbook of Listening is a comprehensive overview of the field of listening for advanced undergraduate students, graduate students, scholars, and practitioners.

- First comprehensive academic reference resource dedicated to listening
- Provides a broad, authoritative, cross-disciplinary overview of key methodological, conceptual, and theoretical issues in the field
- Covers methods; disciplinary foundations; teaching listening; contexts and applications; and emerging perspectives
- Original chapters written by a group of international scholars in the field of learning

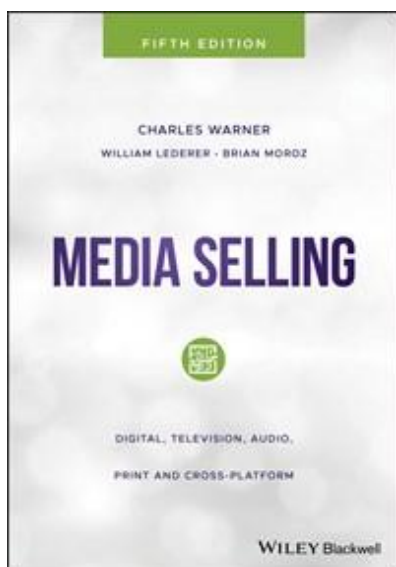
### Contributor Bio

**Debra L. Worthington** is Professor of Communication at Auburn University. She has published numerous articles on listening, particularly as related to measurement and individual listening style. She is lead author of *Listening: Processes, Functions, and Competency* and co-editor of *The Sourcebook of Listening Research: Methodology and Measures* which received the 2018 Distinguished Book Award from the Communication and Social Cognition Division of the National Communication Association. She was inducted into the International Listening Association's Hall of Fame in 2017.

**Graham D. Bodie** is Professor of Integrated Marketing Communication in the School of Journalism and New Media at The University of Mississippi. He is recognized as an international expert on listening and the social cognitive underpinnings of human communicative behavior and has authored more than 90 published papers in journals including *Human Communication Research*, *Communication Monographs*, and the *International Journal of Listening*. Dr. Bodie has received several awards, including the Research Award bestowed by the International Listening Association.

John Wiley & Sons  
9781119554141  
Ship Date: 09/07/2020  
\$210.00/£159.00 UK/€179.50 EU  
Discount Code: DP  
Hardcover

480 Pages  
Series: Handbooks in  
Communication and Media



John Wiley & Sons  
9781119477396  
Ship Date: 27/07/2020  
\$77.95/£36.99 UK/€41.99 EU  
Discount Code: BT  
Paperback

576 Pages

## **Media Selling (5th Edition)**

### **Digital, Television, Audio, Print and Cross-Platform**

Charles Warner, William Lederer, Brian Moroz

### **Summary**

**The must-have resource for media selling in today's technology-driven environment**

The revised and updated fifth edition of *Media Selling* is an essential guide to our technology-driven, programmatic, micro-targeted, mobile, multi-channel media ecosystem. Today, digital advertising has surpassed television as the number-one ad investment platform, and Google and Facebook dominate the digital advertising marketplace. The authors highlight the new sales processes and approaches that will give media salespeople a leg up on the competition in our post-Internet media era.

The book explores the automated programmatic buying and selling of digital ad inventory that is disrupting both media buyers and media salespeople. In addition to information on disruptive technologies in media sales, the book explores sales ethics, communication theory and listening, emotional intelligence, creating value, the principles of persuasion, sales stage management guides, and sample in-person, phone, and email sales scripts. *Media Selling* offers media sellers a customer-first and problem-solving sales approach. The updated fifth edition:

- Contains insight from digital experts into how 82.5% of digital ad inventory is bought and sold programmatically
- Reveals how to conduct research on Google Analytics
- Identifies how media salespeople can offer cross-platform and multi-channel solutions to prospects' advertising and marketing challenge
- Includes insights into selling and distribution of podcasts
- Includes links to downloadable case studies, presentations, and planners on the *Media Selling* website
- Includes an extensive Glossary of Digital Advertising terms

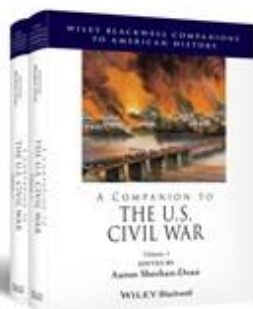
Written for students in communications, radio-TV, and mass communication, *Media Selling* is the classic work in the field. The updated edition provides an indispensable tool for learning, training, and mastering sales techniques for digital media.

### **Contributor Bio**

**CHARLES WARNER** teaches in the graduate Media Management Program in the School of Media Studies at The New School, New York. He is also the Goldenson Chair Emeritus at the University of Missouri School of Journalism.

**WILLIAM LEDERER** is Chairman and CEO of iSOCRATES, a global leader in programmatic media planning and execution. In addition to leading global consulting and managed services teams, he teaches in the graduate Media Management Program at The New School, New York.

**BRIAN MOROZ** is head of one of Google's global strategy units, and previously served in Google's Agency Sales group.



## A Companion to the U.S. Civil War

### 2 Volume Set

Aaron Sheehan-Dean

### Summary

*A Companion to the U.S. Civil War* presents a comprehensive historiographical collection of essays covering all major military, political, social, and economic aspects of the American Civil War (1861-1865).

- Represents the most comprehensive coverage available relating to all aspects of the U.S. Civil War
- Features contributions from dozens of experts in Civil War scholarship
- Covers major campaigns and battles, and military and political figures, as well as non-military aspects of the conflict such as gender, emancipation, literature, ethnicity, slavery, and memory

### Contributor Bio

**Aaron Sheehan-Dean** is Fred C. Frey Professor at Louisiana State University. He is the author of *Why Confederates Fought: Family and Nation in Civil War Virginia* (2007) and the *Concise Historical Atlas of the U.S. Civil War* (2008).

John Wiley & Sons  
9781119716143  
Ship Date: 03/08/2020  
\$69.95/£53.50 UK/€59.80 EU  
Discount Code: BT  
Paperback  
  
1232 Pages  
Series: Wiley Blackwell  
Companions to American History



# A Companion to Global Historical Thought

Prasenjit Duara, Viren Murthy, Andrew Sartori

No Image  
Available

## Summary

*A Companion to Global Historical Thought* provides an in-depth overview of the development of historical thinking from the earliest times to the present, across the world, directly addressing the issues of historical thought in a globalized context.

- Provides an overview of the development of historical thinking from the earliest times to the present, across the world, through essays written by a team of leading international scholars
- Complements the *Companion to Western Historical Thought*, placing non-Western perspectives on historiography at the center of the discussion
- Explores the different historical traditions that have shaped the discipline, and the challenges posed by modernity and globalization

## Contributor Bio

**Prasenjit Duara** is the Raffles Professor of Humanities and Director of the Asia Research Institute as well as Director of Research in Humanities and Social Sciences at National University of Singapore. He is the author of *Culture, Power, and the State: Rural North China, 1900–1942* (1988), which won the Fairbank Prize of the American Historical Association and the Levenson Prize of the Association for Asian Studies, USA.

**Viren Murthy** is Assistant Professor at the University of Wisconsin-Madison, USA, where he specializes in Modern Chinese and Japanese intellectual history. He is the author of *The Political Philosophy of Zhang Taiyan: The Resistance of Consciousness* (2011).

**Andrew Sartori** is Associate Professor of History at New York University, USA. He is co-editor of *Global Intellectual History* (with Samuel Moyn, 2013), the author of *Bengal in Global Concept History* (2008), and co-editor of *From the Colonial to the Postcolonial* (with Dipesh Chakrabarty and Rochona Majumdar, 2007). He is also co-editor of the journal *Critical Historical Studies*.

Wiley-Blackwell  
9781119735816  
Ship Date: 01/10/2020  
\$55.00/£38.50 UK/€43.50 EU  
Discount Code: P  
Paperback

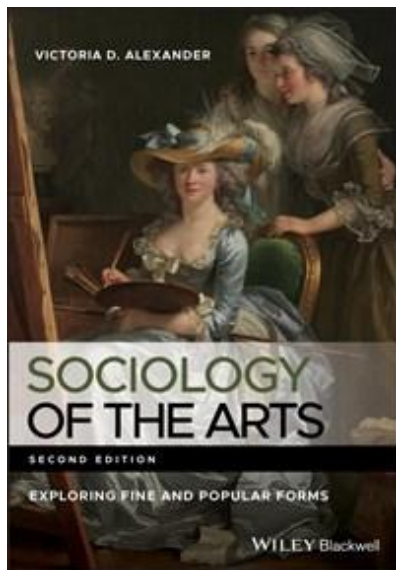
536 Pages  
Series: Wiley Blackwell  
Companions to World History

## A Companion to Mediterranean History

No Image  
Available

97811119735830

0 Pages



## Sociology of the Arts (2nd Edition)

### Exploring Fine and Popular Forms

Victoria D. Alexander

#### Summary

**Explains the key concepts, theories, and studies in the sociology of the arts—the fully updated new edition of the classic textbook**

*Sociology of the Arts* is a comprehensive yet accessible review of sociological approaches to studying the fine, popular, and folk arts. Integrating scholarly literature, theoretical models, and empirical studies, this authoritative textbook provides balanced coverage of a broad range of essential topics—enabling a deeper understanding of the field as a whole. Throughout the text, numerous real-world case studies reinforce key concepts, stimulate classroom discussion, and encourage students to contemplate abstract theoretical issues central to the relationship between art and society.

Now in its second edition, this bestselling volume features fully revised content that reflects the most recent literature and research in the field. New discussion on the production and the consumption of culture are complemented by fresh perspectives on changes in the social world such as the rise of the internet and digital media. Updated chapters offer insights into social boundaries and embodiment in the arts, emplacement, materiality, the social construction of art and aesthetics, and more. Exploring how art is created, distributed, received, and consumed, this textbook:

- Explores both classic work and new approaches in the sociology of the arts
- Features case studies and discussion questions on art forms including popular music, film, romance novels, visual arts, and classical music
- Discusses the meaning of artistic objects and why interpretations of art vary
- Examines the ways art intersects with race, gender, sexuality, and class
- Includes photographs, tables and figures, and a comprehensive reference list

Written by a leading scholar in the field, *Sociology of the Arts: Exploring Fine and Popular Forms, Second Edition* is an ideal textbook for advanced undergraduate and graduate courses on sociology of art and culture, media studies, anthropology of art, arts management, and the social history of art, and is a useful reference for established scholars studying any aspect of sociology of the arts.

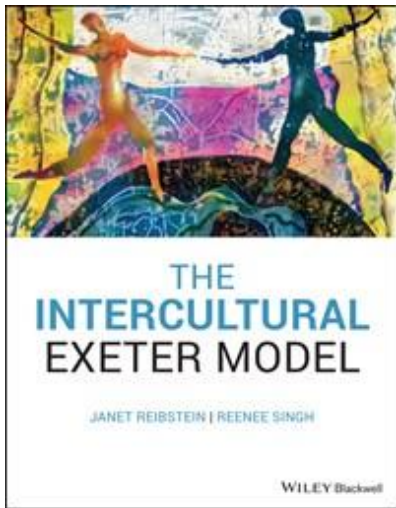
#### Contributor Bio

**VICTORIA D. ALEXANDER** is Professor of Sociology and Arts Management at the Institute for Creative and Cultural Entrepreneurship, Goldsmiths, University of London, UK. She is author of *Museums and Money: The Impact of Funding on Exhibitions, Scholarship, and Management* (1996), co-author of *Art and the State: The Visual Arts in Comparative Perspective* (2005), and co-editor of the multi-volume *Art and the Challenge of Markets* (2018).

Wiley-Blackwell  
9780470672884  
Ship Date: 15/10/2020  
\$44.95/£32.99 UK/€37.30 EU  
Discount Code: BT  
Paperback

356 Pages



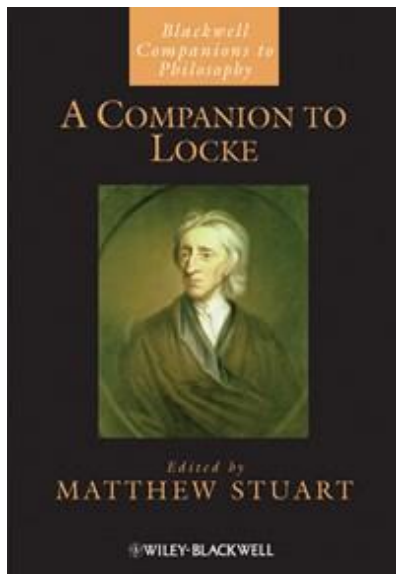


## The Intercultural Exeter Model

Janet Reibstein, Reenee Singh

Wiley-Blackwell  
9781119668411  
Ship Date: 01/10/2020  
\$65.95/£39.99 UK/€45.20 EU  
Discount Code: P  
Paperback

128 Pages



## Companion To Locke

Matthew Stuart

Wiley-Blackwell  
9781119109907  
£32.99 UK  
Paperback

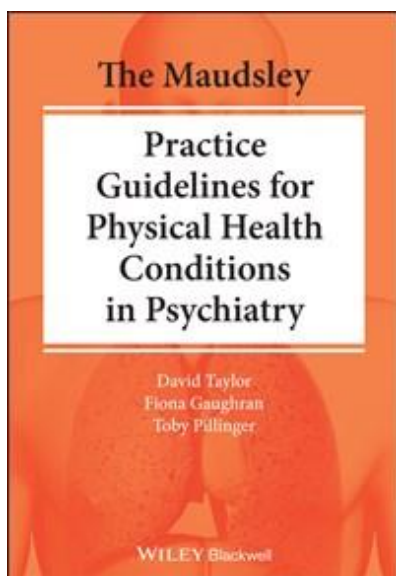
| Pages



## **Companion To Celebrity**

P David Marshall

Wiley-Blackwell  
9781119134701  
£44.50 UK  
Paperback



## The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry

David Taylor, Fiona Gaughran, Toby Pillinger

### Summary

**Learn to improve your assessment, investigation, and management of physical health conditions in people with severe mental illness**

*The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry* offers psychiatric and general practitioners an evidence-based and practical guide for the appropriate assessment, investigation, and management of common physical health conditions seen in people with severe mental illness. Written by a renowned team of respected experts in medicine, surgery, pharmacy, dietetics, physiotherapy, and psychiatry, the book bridges the gap between psychiatric and physical health services for the severely mentally ill.

*The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry* also provides practitioners with expert guidance on making effective referrals to other medical and surgical subspecialties, telling readers what information subspecialties would expect to receive. Its use will improve the quality of clinical care received by mentally ill patients and, by promoting a holistic approach to treatment that considers both body and mind, will enhance the therapeutic relationship between patient and practitioner.

*The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry* covers the following:

- Guidance on assessment and management of well over a hundred different medical and surgical presentations commonly seen in people with serious mental illness
- Management of physical health emergencies in a psychiatric setting
- Evidence-based approaches to management of physical side effects of psychiatric medications
- Advice on approaches to promote a healthy lifestyle in people with serious mental illness, such as smoking cessation and changes to diet and physical activity

Perfect for both psychiatrists and general practitioners who wish to improve the quality of care they provide to people with serious mental illness, *The Maudsley Practice Guidelines for Physical Health Conditions in Psychiatry* will be of use to anyone setting out to navigate the divide between the treatment of psychiatric and physical health conditions.

### Contributor Bio

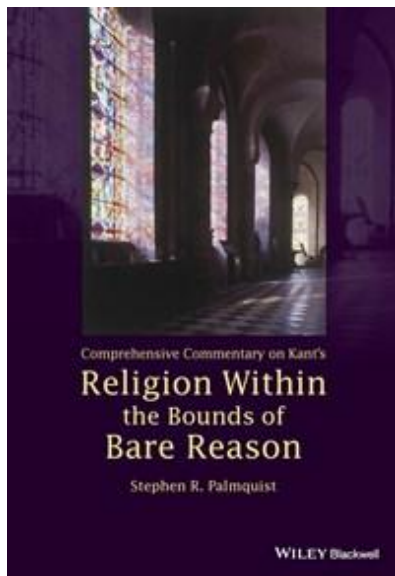
**David M. Taylor, Ph.D.**, is Director of Pharmacy and Pathology at the Maudsley Hospital and Professor of Psychopharmacology at King's College, London.

**Fiona Gaughran, M.D.**, is Director of Research at the South London and Maudsley NHS Foundation Trust, where she is Lead Consultant for the National Psychosis Service.

**Toby Pillinger, M.D. Ph.D.**, is an Academic Clinical fellow at the Institute of Psychiatry, Psychology and Neuroscience, King's College London and South London and Maudsley NHS Foundation Trust.

Wiley-Blackwell  
9781119554202  
Ship Date: 08/10/2020  
\$60.00/£41.99 UK/€47.50 EU  
Discount Code: P  
Paperback

600 Pages  
Series: The Maudsley Prescribing  
Guidelines Series



## Comprehensive Commentary on Kant's Religion Within the Bounds of Bare Reason

Stephen R. Palmquist

### Summary

Palmquist's *Commentary* provides the first definitive clarification on Kant's Philosophy of Religion in English; it includes the full text of Pluhar's translation, interspersed with explanations, providing both a detailed overview and an original interpretation of Kant's work.

Palmquist's *Commentary* provides the first definitive clarification on Kant's Philosophy of Religion in English; it includes the full text of Pluhar's translation, interspersed with explanations, providing both a detailed overview and an original interpretation of Kant's work.

- Offers definitive, sentence-level commentary on Kant's *Religion within the Bounds of Bare Reason*
- Presents a thoroughly revised version of Pluhar's translation of the full text of Kant's *Religion*, including detailed notes comparing the translation with the others still in use today
- Identifies most of the several hundred changes Kant made to the second (1794) edition and unearths evidence that many major changes were responses to criticisms of the first edition
- Provides both a detailed overview and original interpretation of Kant's work on the philosophy of religion
- Demonstrates that Kant's arguments in *Religion* are not only cogent, but have clear and profound practical applications to the way religion is actually practiced in the world today
- Includes a glossary aimed at justifying new translations of key technical terms in *Religion*, many of which have previously neglected religious and theological implications

Stephen Palmquist's *Comprehensive Commentary* provides the first definitive explication of Kant's *Religion within the Bounds of Bare Reason*. The volume includes the full text of Kant's original work in a revised version of Pluhar's translation divided into short quotations. Palmquist offers editorial commentary on each segment, as well as detailed notes tracing other important issues including problems of translation, Kant's sources, and key arguments in the recent secondary literature.

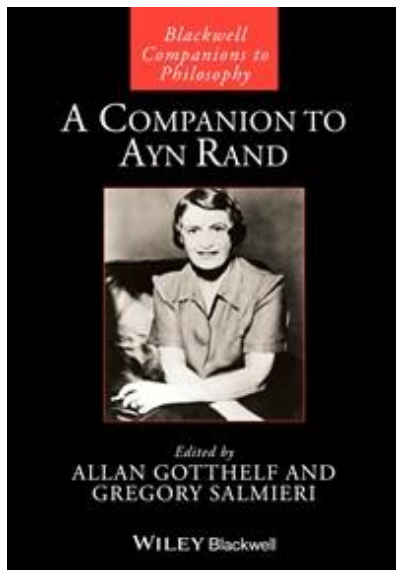
The *Commentary* reflects contemporary currents in Kant scholarship and takes Kant seriously as a theorist on religion, rather than merely a philosopher who discusses religion as an appendix to his ethics. Palmquist's distinctive interpretation provides detailed evidence that Kant's approach is not reductionist; a balanced focus on both of Kant's two so-called experiments; and an appreciation for and acknowledgement of the deep respect Kant had for the Christian tradition, despite his criticisms. In doing so, Palmquist provides Kant students and scholars with an essential reference, demonstrating that Kant's arguments in *Religion* are not only cogent, but have clear and profound practical applications to the way religion is actually practiced in the world today.

### Contributor Bio

**Stephen R. Palmquist** is Professor of Philosophy and Religion at Hong Kong Baptist University. He lectures on a wide variety of subjects in the fields of philosophy,

John Wiley & Sons  
9781119090236  
Ship Date: 09/10/2020  
\$54.95/£32.99 UK/€41.30 EU  
Discount Code: P  
Paperback

640 Pages

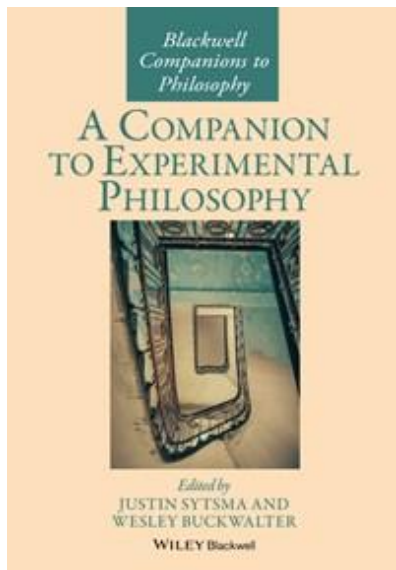


## Companion To Ayn Rand

Allan Gotthelf

Wiley-Blackwell  
9781119099024  
£32.99 UK  
Paperback



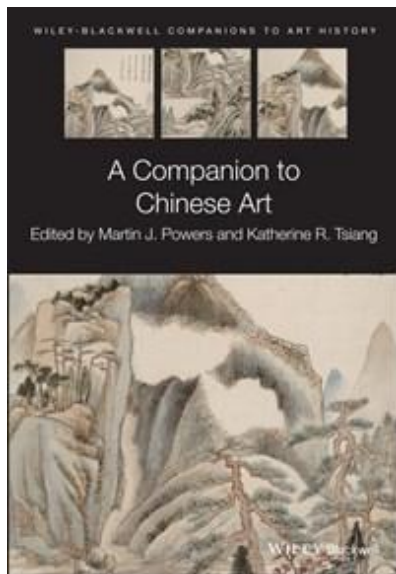


## Companion to Experimental Philosophy

Justin Sytsma

Wiley-Blackwell  
9781119099048  
£32.99 UK  
Paperback

| Pages



## A Companion to Chinese Art

Martin J. Powers, Katherine R. Tsiang

Wiley-Blackwell  
9781119121695  
\$54.95/£40.50 UK/€48.60 EU  
Discount Code: P  
Paperback

584 Pages  
Series: Blackwell Companions to  
Art History



# The International Encyclopedia of Gender, Media, and Communication

## 3 Volume Set

Karen Ross, Ingrid Bachmann, Valentina Cardo, Suja...

## Summary

**The first major reference work on gender and media—covering a broad range of gender-focused topics**

*The International Encyclopedia of Gender, Media, and Communication* comprises more than 250 entries by an international team of both established and emerging scholars in the field. This innovative resource explores how gender is represented in media, who produces the content, and the ways in which audiences receive and understand media messages. The contributors offer original insights on diverse aspects of gender in film, television, visual media, social and digital media and more.

Three alphabetically-organized volumes explore contexts and issues, production, fiction and non-fiction representation, and audience consumption. Each entry provides an overview of the topic, a list of additional readings, and cross-references to related entries in the encyclopedia. Sub-topics are thematically organized, covering a wide range of issues, genres, and media formats. Comprehensive and up-to-date, the encyclopedia places gender at the center of both historical and contemporary debates in the broad field of media and communication. This unique work:

- Presents contemporary scholarship on a vast array of topics including film biographies, TV, film and radio histories and genres, gender representation in news, and screen-based entertainment media
- Explores the concept of gender as both stereotype and non-conforming with essays dealing critically with issues around identity, sexuality, and intersectionality
- Includes essays which range from women film producers to the boy detective, from queer cinema to political communication, from gender and news to the racialized body, and many things in between
- Acknowledges the importance of the digital media landscape with numerous essays on digital and social media, from online dating to the quantified self to feminist media activism
- Discusses new research questions about the fusion of production, representation, and reception in media

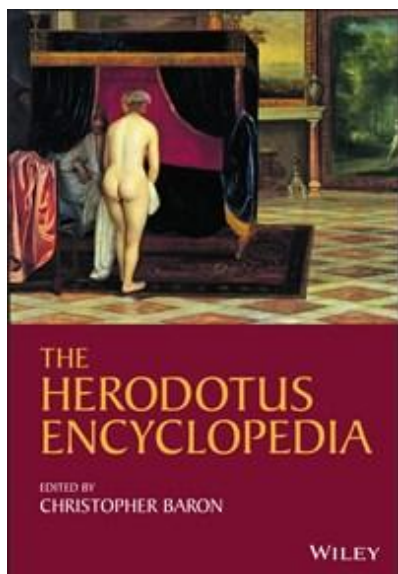
*The International Encyclopedia of Gender, Media, and Communication* is an indispensable reference for advanced undergraduate students, graduate students, instructors, and scholars in media, communication, gender studies, and related fields. Online version available on Wiley Online Library at <http://wileyicaencyclopedia.com/>

## Contributor Bio

**Karen Ross** is Professor of Gender and Media at Newcastle University, UK. She is author and editor of more than 20 books, including *Gender, Politics and News: A Game of Three Sides* (2017, Wiley Blackwell), and has published numerous papers on issues of gender, media and society, and gender and political communication.

John Wiley & Sons  
9781119429104  
Ship Date: 12/10/2020  
\$625.00/£474.00 UK/€534.20 EU  
Discount Code: EN  
Hardcover

1792 Pages  
Series: ICAZ – Wiley  
Blackwell-ICA International  
Encyclopedias of Communication



John Wiley & Sons  
 9781118689646  
 Ship Date: 22/10/2020  
 \$595.00/£478.00 UK/€538.60 EU  
 Discount Code: P  
 Hardcover

2200 Pages

## The Herodotus Encyclopedia

**3 Volume Set**

Christopher Baron

### Summary

**Provides a comprehensive gateway to Herodotus' *Histories*, the story they tell, and the world in which they were written**

The first work of its kind, this book offers students and faculty of all levels an easy-to-use, up-to-date reference tool on Herodotus of Halicarnassus (the "Father of History") and provides Herodotean scholars with a collection of important strands of recent work. Topics include the debt of Greek historical writing to epic poetry (and other genres); narratological analysis of the text; Herodotus' position vis-à-vis his predecessors and contemporaries; his use of sources; his notion of Greekness; and the growing body of Persian and other Near Eastern evidence for sixth- and fifth century events.

Spanning three volumes, *The Herodotus Encyclopedia* surveys the current state of knowledge and understanding of Herodotus' work, and discusses past, current, and emerging approaches to the text. Featuring contributions from an international team of more than 150 scholars, it offers more than 2,500 entries which cover the individuals, peoples, and places Herodotus names in his *Histories*; the composition and central themes in his work; and the historical, social, intellectual, and literary context of the period. Many entries also explore the text's scholarship and reception from antiquity up to the present day.

- Offers entries for every proper name, group, and region mentioned in Herodotus' *Histories*
- Provides discussions of the history of Herodotean studies and scholarship
- Considers the historical and cultural contexts within which Herodotus wrote and lived
- Addresses the reception of Herodotus during antiquity and beyond
- Incorporates the methods and findings of several different disciplines in the humanities
- Features maps and illustrations, a user guide, an index, and full bibliographical information in each entry

*The Herodotus Encyclopedia* is an indispensable text for scholars in classics and related fields, instructors who cover Herodotus or Greek history in their courses, research libraries, and students of ancient Greek history and literature.

### Contributor Bio

**Christopher Baron** is an Associate Professor of Classics at the University of Notre Dame. His interests include Greek and Roman historical writing, Hellenistic history, Greek epigraphy, and identity in the ancient world. He is the author of *Timaeus of Tauromenium and Hellenistic Historiography*, co-editor (with Josiah Osgood) of *Cassius Dio and the Late Roman Republic*, and has published numerous articles on the ancient Greek historians.

# STILL MOVING FIELD GUIDE

CHANGE VITALITY AT YOUR FINGERTIPS



Deborah Rowland

A practical personal development guide  
for all leaders of change, and an indispensable companion  
to the best selling *Still Moving*

WILEY Blackwell

## Still Moving Field Guide

Deborah Rowland

### Summary

**The companion to the bestselling book on leading change, *Still Moving***

*Still Moving Field Guide* is a companion to the bestselling *Still Moving: How to Lead Mindful Change*. Designed as a practical resource, the *Field Guide* takes the reader on a journey to hone their leadership skills in order to lead change with confidence. Step by step, readers will progress through the Still Moving concepts.

New to the guide is the innovative Change Vitality model (an energizing holistic way of leading change) that puts all the Still Moving concepts into one effective picture. The author breaks down each element of the Change Vitality model and explores what the element is, how to recognize it, and why it helps leaders lead change well. The model also shows how to rate your own leadership in a particular skill, and includes tales from the field on putting the skill into action. The guide also contains further reading and resources to help cultivate the skills presented. This important book:

- Offers a practical guide for developing the change leadership skills outlined in *Still Moving*
- Contains application stories with real life leaders in change
- Presents the Change Vitality model - a new, holistic and research-based framework for how to lead change with greater ease
- Provides an interactive immersion journey into the Still Moving content
- Includes spaces for journaling and self-reflection

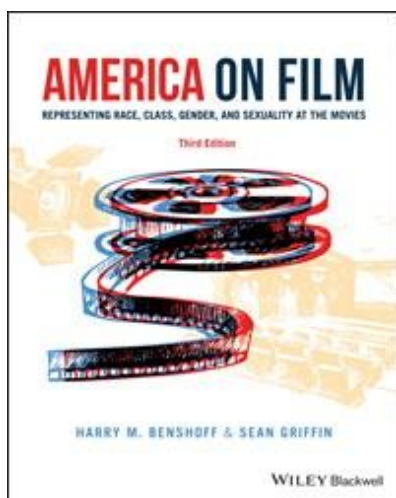
Written for all curious change leaders, change coaches, change consultants, and HR professionals, the *Still Moving Field Guide* is filled with practical ideas on how to use the Still Moving concepts with yourself, your team, and the wider systems you are seeking to transform.

### Contributor Bio

Deborah Rowland has led change in major global corporations including BBC Worldwide, Gucci Group, PepsiCo and Shell. Author of *Still Moving: How to Lead Mindful Change* (Wiley) and co-author of *Sustaining Change: Leadership That Works* (Wiley), Deborah founded the change consultancy Still Moving, where she and her colleagues now advise institutional leaders from around the world on how to lead successful change with greater ease.

Wiley-Blackwell  
9781119715740  
Ship Date: 29/10/2020  
\$19.99/£14.99 UK/€17.00 EU  
Paperback

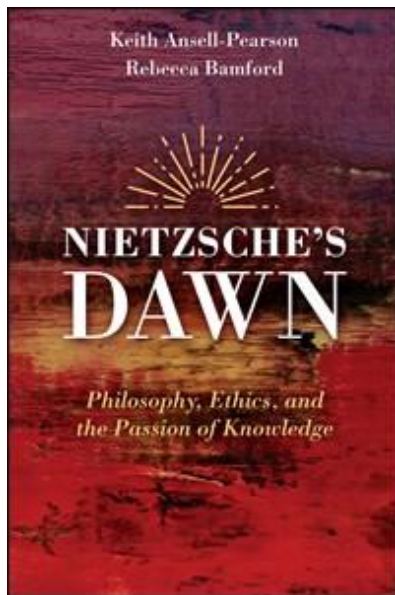
128 Pages



**America on Film** (3rd Edition)  
**Representing Race, Class, Gender and Sexuality at the Movies**  
Harry M. Benshoff, Sean Griffin

John Wiley & Sons  
9781118743652  
Ship Date: 02/11/2020  
\$49.95/£39.99 UK/€43.70 EU  
Discount Code: BT  
Paperback





Wiley-Blackwell  
 9781119693666  
 Ship Date: 19/11/2020  
 \$49.95/£24.99 UK/€28.30 EU  
 Discount Code: P  
 Paperback

286 Pages

## Nietzsche's Dawn

### Philosophy, Ethics, and the Passion of Knowledge

Keith Ansell-Pearson, Rebecca Bamford

#### Summary

**The first focused study of Nietzsche's *Dawn*, offering a close reading of the text by two of the leading scholars on the philosophy of Nietzsche**

Published in 1881, *Dawn: Thoughts on the Presumptions of Morality* represents a significant moment in the development of Nietzsche's philosophy and his break with German philosophic thought. Though groundbreaking in many ways, *Dawn* remains the least studied of Nietzsche's work. In *Nietzsche's Dawn: Philosophy, Ethics, and the Passion of Knowledge*, authors Keith Ansell-Pearson and Rebecca Bamford present a thorough treatment of the second of Nietzsche's so-called "free spirit" trilogy.

This unique book explores Nietzsche's philosophy at the time of *Dawn's* writing and discusses the modern relevance of themes such as fear, superstition, terror, and moral and religious fanaticism. The authors highlight *Dawn's* links with key areas of philosophical inquiry, such as "the art of living well," skepticism, and naturalism. The book begins by introducing *Dawn* and discussing how to read Nietzsche, his literary and philosophical influences, his relation to German philosophy, and his efforts to advance his 'free spirit' philosophy. Subsequent discussions address a wide range of topics relevant to *Dawn*, including presumptions of customary morality, hatred of the self, free-minded thinking, and embracing science and the passion of knowledge. Providing a lively and imaginative engagement with Nietzsche's text, this book:

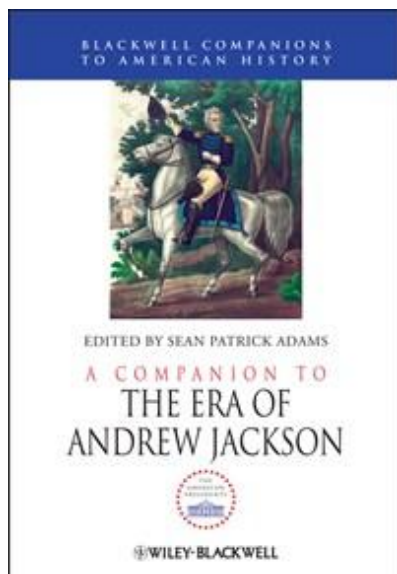
- Highlights the importance of an often-neglected text from Nietzsche's middle writings
- Examines Nietzsche's campaign against customary morality
- Discusses Nietzsche's responsiveness to key Enlightenment ideas
- Offers insights on Nietzsche's philosophical practice and influences
- Contextualizes a long-overlooked work by Nietzsche within the philosopher's life of writing

Like no other book on the subject, *Nietzsche's Dawn: Philosophy, Ethics, and the Passion of Knowledge* is a must-read for advanced undergraduate and graduate students, instructors, and scholars in philosophy, as well as general readers with interest in Nietzsche, particularly his middle writings.

#### Contributor Bio

**Keith Ansell-Pearson** holds a Personal Chair in Philosophy at the University of Warwick, UK. He is the author and editor of acclaimed books on Nietzsche and Bergson including *Nietzsche contra Rousseau*, *Nietzsche's Search for Philosophy*, and *Bergson: Thinking Beyond the Human Condition*.

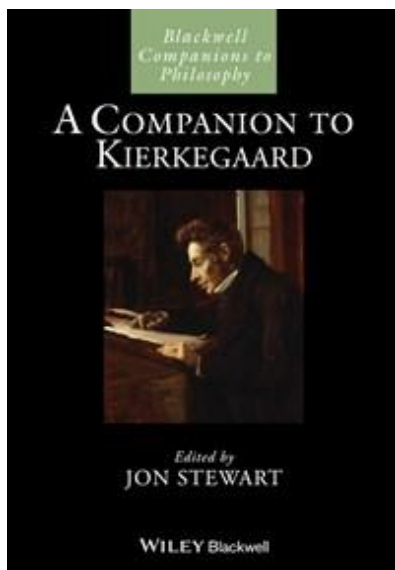
**Rebecca Bamford** is Associate Professor of Philosophy, Quinnipiac University, USA, and Adjunct Professor of Philosophy, University of Fort Hare, East London, South Africa. She is the editor of *Nietzsche's Free Spirit Philosophy* and author of numerous essays on Nietzsche and on bioethics.



## A Companion to the Era of Andrew Jackson

9781119736349

0 Pages



Wiley-Blackwell  
 9781119090120  
 Ship Date: 05/11/2020  
 \$46.75/£34.25 UK/€38.80 EU  
 Discount Code: P  
 Paperback  
 544 Pages  
 Series: Blackwell Companions to  
 Philosophy

## A Companion to Kierkegaard

Jon Stewart

### Summary

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.

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

### Contributor Bio

**Jon Stewart** is Associate Professor at the Søren Kierkegaard Research Centre at the University of Copenhagen. He is the editor of the *Kierkegaard Research: Sources, Reception and Resources*, *Texts from Golden Age Denmark* and *Danish Golden Age Studies* series. He is the co-editor of the *Kierkegaard Studies Yearbook* and the *Kierkegaard Studies Monograph* series. Former leader of the Nordic Network of Kierkegaard Research and the International Kierkegaard Network, his published books include, *Kierkegaard's Relations to Hegel Reconsidered* (2003), *Idealism and Existentialism: Hegel and Nineteenth- and Twentieth-Century European Philosophy* (2010), *The Unity of Hegel's "Phenomenology of Spirit": A Systematic Interpretation* (2011), *The Unity of Content and Form in Philosophical Writing: The Perils of Conformity* (2013), and *The Cultural Crisis of the Danish Golden Age: Heiberg, Martensen and Kierkegaard* (2015).

# The Handbook of English Linguistics (2nd Edition)

Bas Aarts, April McMahon, Lars Hinrichs

No Image  
Available

## Summary

**Second edition of this popular *Handbook* bringing together stimulating discussions of core English linguistics topics in a single, authoritative volume –includes numerous new and thoroughly updated chapters**

The second edition of the popular *Handbook of English Linguistics* brings together stimulating discussions of the core topics in English linguistics in a single, authoritative volume. Written by an international team of experts, the chapters cover syntax, methodology, phonetics and phonology, lexis and morphology, variation, stylistics, and discourse, and also provide discussions of theoretical and descriptive research in the field.

The revised edition includes new and updated chapters on English Corpus Linguistics, experimental approaches, complements and adjuncts, English phonology and morphology, lexicography, and more. In-depth yet accessible chapters introduce key areas of English linguistics, discuss relevant research, and suggest future research directions.

An important academic contribution to the field, this book:

- Presents thirty-two in-depth, yet accessible, chapters that discuss new research findings across the field, written by both established and emerging scholars from around the world
- Builds upon the very successful first edition, published in 2006
- Incorporates new trends in English linguistics, including digital research methods and theoretical advances in all subfields
- Suggests future research directions

*The Handbook of English Linguistics, 2<sup>nd</sup> Edition* is an essential reference work for researchers and students working in the field of English language and linguistics.

## Contributor Bio

**Bas Aarts** is Professor of English Linguistics and Director of the Survey of English Usage at UCL, UK. His recent publications include *Syntactic Gradience* (2007), *Oxford Modern English Grammar* (2011), the *Oxford Dictionary of English Grammar*, second edition (with S. Chalker and E. Weiner, 2014), *How to Teach Grammar* (with I. Cushing and R. Hudson, 2019) and the *Oxford Handbook of English Grammar* (with J. Bowie and G. Popova, 2019). He is a founding editor of the journal *English Language and Linguistics*.

**April McMahon** is Vice-President for Teaching, Learning and Students at the University of Manchester, UK and a Fellow of the Royal Society of Edinburgh, the British Academy, and the Learned Society of Wales. She is author of *Understanding Language Change* (1994) and *An Introduction to English Phonology* (Second Edition, 2020), and has published extensively on the historical phonology of English, language family relationships and evolutionary linguistics.

**Lars Hinrichs** is Associate Professor of English Language and Linguistics at the University of Texas at Austin, USA. He specializes in research on varieties of English around the world and corpus linguistics. He directs the Texas English Linguistics Lab, which studies variation and change in Texas English.

Wiley-Blackwell  
9781119540564  
Ship Date: 19/11/2020  
\$180.00/£135.00 UK/€152.60 EU  
Discount Code: P  
Hardcover

682 Pages  
Series: Blackwell Handbooks in  
Linguistics

THE WILEY BLACKWELL COMPANION TO  
**RELIGION AND  
 POLITICS IN THE U.S.**



EDITED BY  
**Barbara A. McGraw**

WILEY Blackwell

## Wiley Blackwell Companion to Religion and Politics in the U.

Barbara A McGraw

Wiley-Blackwell  
 9781119246848  
 £32.99 UK  
 Paperback

| Pages

**Introduction to the Old Testament: Sacred Texts and  
Imperial Contexts of the Hebrew Bible, 2nd Edition**

No Image  
Available

97811119636670

0 Pages





## Great Myths of Personality

B. Donnellan

### Summary

*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

### Contributor Bio

M. Brent Donnellan is Associate Professor of Psychology at Michigan State University. He investigates research topics at the intersection of personality psychology and developmental psychology. He currently serves as Senior Associate Editor for the *Journal of Research in Personality* and previously served as Associate Editor for *Personality and Social Psychology Bulletin*. His current research focuses on personality development and evaluating the connections between individual differences in personality and functioning in family relationships. He is co-editor of *Secondary Data Analysis* (2010).

Richard E. Lucas is Associate Professor of Psychology at Michigan State University. His research focuses on the causes and consequences of subjective well-being. In particular, he studies the associations between personality and well-being, and he examines the extent to which people adapt to major life events and life circumstances. He is Editor-in-Chief for the *Journal of Research in Personality* and has served as Associate Editor for the *Journal of Personality and Social Psychology*. He is co-author of the book *Well-Being for Public Policy* (2009) and co-editor of *Secondary Data Analysis* (2010).

John Wiley & Sons

9781118521359

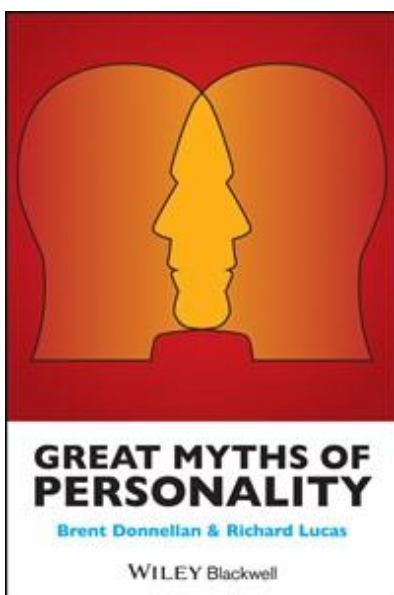
Ship Date: 15/11/2020

\$24.95/£18.95 UK/€21.40 EU

Discount Code: P

Paperback

Series: Great Myths of Psychology



## Great Myths of Personality

B. Donnellan

### Summary

*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

### Contributor Bio

M. Brent Donnellan is Associate Professor of Psychology at Michigan State University. He investigates research topics at the intersection of personality psychology and developmental psychology. He currently serves as Senior Associate Editor for the *Journal of Research in Personality* and previously served as Associate Editor for *Personality and Social Psychology Bulletin*. His current research focuses on personality development and evaluating the connections between individual differences in personality and functioning in family relationships. He is co-editor of *Secondary Data Analysis* (2010).

Richard E. Lucas is Associate Professor of Psychology at Michigan State University. His research focuses on the causes and consequences of subjective well-being. In particular, he studies the associations between personality and well-being, and he examines the extent to which people adapt to major life events and life circumstances. He is Editor-in-Chief for the *Journal of Research in Personality* and has served as Associate Editor for the *Journal of Personality and Social Psychology*. He is co-author of the book *Well-Being for Public Policy* (2009) and co-editor of *Secondary Data Analysis* (2010).

John Wiley & Sons

9781118521397

Ship Date: 15/11/2020

\$79.95/£60.95 UK/€68.40 EU

Discount Code: P

Hardcover

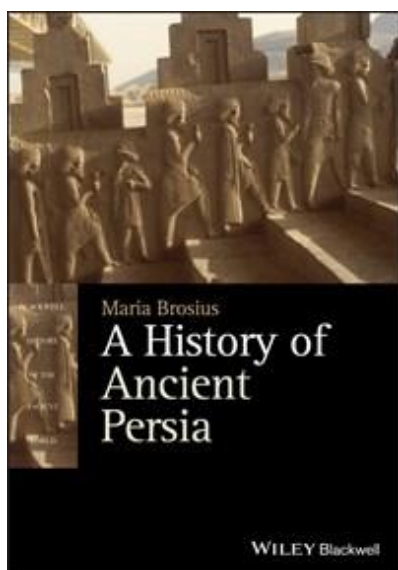
Series: Great Myths of Psychology



## What is African American Literature?

9781119123347

0 Pages



## A History of Ancient Persia

### The Achaemenid Empire

Maria Brosius

### Summary

**An innovative approach to the history of the First Persian Empire, offering an accessible historical narrative for students and general readers alike**

*A History of the Achaemenid Empire* considers archaeological and written sources to provide an expansive, source-based introduction to the diverse and culturally rich world of ancient Achaemenid Persia. Assuming no prior background, this accessible textbook follows the dynastic line from the establishment and expansion of the empire under the early Achaemenid kings to its collapse in 330 BCE. The text integrates the latest research, key primary sources, and archaeological data to offer readers deep insights into the empire, its kings, and its people.

Chronologically organized chapters contain written, archaeological, and visual sources that highlight key learning points, stimulate discussion, and encourage readers to evaluate specific pieces of evidence. Throughout the text, author Maria Brosius emphasizes the necessity to critically assess Greek sources—highlighting how their narrative of Achaemenid political history often depicted stereotypical images of the Persians rather than historical reality. Topics include the establishment of empire under Cyrus the Great, Greek-Persian relations, the creation of a Persian ruling class, the bureaucracy and operation of the empire, Persian diplomacy and foreign policy, and the reign of Darius III. This innovative textbook:

- Offers a unique approach to Achaemenid history, considering both archaeological and literary sources
- Places primary Persian and Near Eastern sources in their cultural, political, and historical context
- Examines material rarely covered in non-specialist texts, such as royal inscriptions, Aramaic documents, and recent archaeological finds
- Features a comprehensive introduction to Achaemenid geography, Greek historiography, and modern scholarship on the Persian War

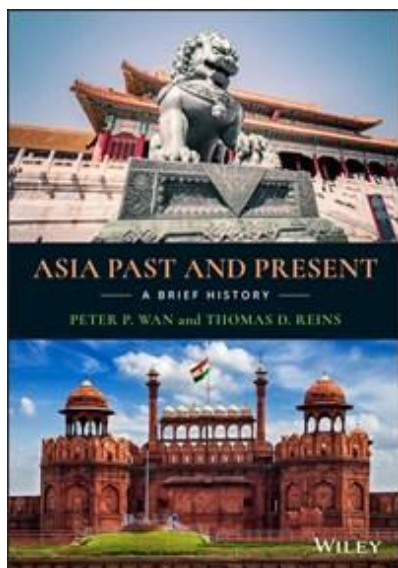
Part of the acclaimed *Blackwell History of the Ancient World* series, *A History of the Achaemenid Empire* is a perfect primary textbook for courses in Ancient History, Near Eastern Studies, and Classical Civilizations, as well as an invaluable resource for general readers with interest in the history of empires, particularly the first Persian empire or Iranian civilization.

### Contributor Bio

**Maria Brosius** is a former Associate Professor in Department of Near and Middle Eastern Civilizations, University of Toronto, and Lecturer at The Queen's College, Oxford University. Now retired, Professor Brosius' research focuses on the history of pre-Islamic Persia, especially on the Achaemenid period, as well as on the cultural, intellectual, and religious connections between Greece and the Eastern Mediterranean. She is the author of *The Persians: An Introduction*, *The Persian Empire from Cyrus II to Artaxerxes I*, and *Women in Ancient Persia*.

John Wiley & Sons  
9781444350920  
Ship Date: 23/11/2020  
\$49.95/£37.95 UK/€42.70 EU  
Discount Code: BT  
Paperback

240 Pages  
Series: Blackwell History of the Ancient World



John Wiley & Sons  
9781118955185  
Ship Date: 24/11/2020  
\$39.95/£31.50 UK/€36.10 EU  
Discount Code: BT  
Paperback

452 Pages

## Asia Past and Present

### A Brief History

Peter P. Wan, Thomas D. Reins

### Summary

**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. Written in an engaging, accessible style, this book:

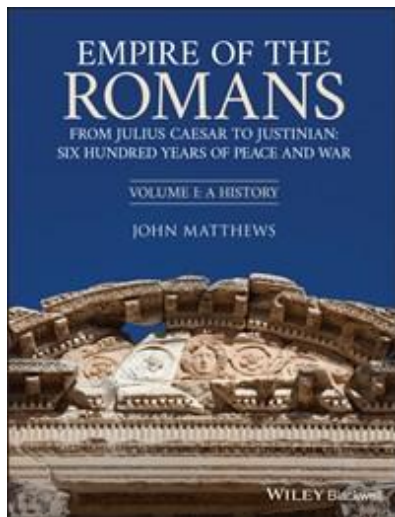
- Covers of a wide range of topics, perspectives, geographic regions, and time periods
- Highlights India and China as the pre 19<sup>th</sup> century cultural cores of Asia
- Presents a relatable political-cultural narrative framework
- Discusses contemporary themes including gender, sexual orientation, the environment, and Western and Islamic influence on Asian culture
- Includes coverage of commonly underrepresented regions such as the Himalayan nations, Maldives, and New Guinea

*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.

### Contributor Bio

**Peter P. Wan, PhD**, was Full Professor of American Language and Literature at East China Normal University, Shanghai, and visiting scholar at Harvard University. Now retired, he is a three-time recipient of the Fulbright Fellowship and author of *World History: A Concise Thematic Arrangement*.

**Thomas D. Reins, PhD**, is a Lecturer in the Department of History at Chapman University, California, USA. He has written numerous articles, book chapters, encyclopedia entries, and reviews in publications including *Modern Asia Studies*, *China Review International* and *Journal of Asian Studies*. He is currently working on a book dealing with the consequences of the modernization of Asia, *Transforming Asia*.



Wiley-Blackwell  
 9781444334562  
 Ship Date: 26/11/2020  
 \$99.95/£60.00 UK/€67.80 EU  
 Discount Code: P  
 Paperback  
 480 Pages

## Empire of the Romans

**From Julius Caesar to Justinian: Six Hundred Years of Peace and War, Volume I: A History**

John Matthews

### Summary

**A wide-ranging survey of the history of the Roman Empire—from its establishment to decline and beyond**

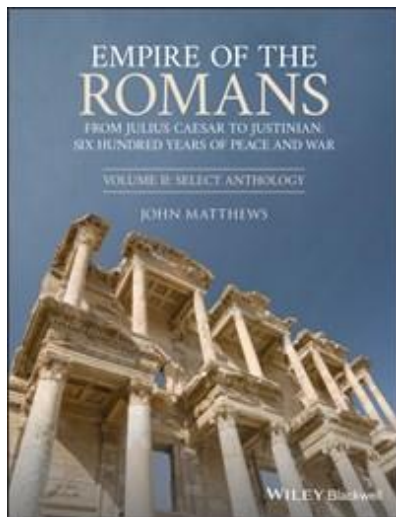
*Empire of the Romans, from Julius Caesar to Justinian* provides a sweeping historical survey of the Roman empire. Uncommonly expansive in its chronological scope, this unique two-volume text explores the time period encompassing Julius Caesar's death in 44 BCE to the end of Justinian's reign six centuries later. Internationally-recognized author and scholar of Roman history John Matthews balances broad historical narrative with discussions of important occurrences in their thematic contexts. This integrative approach helps readers learn the timeline of events, understand their significance, and consider their historical sources.

Defining the time period in a clear, yet not overly restrictive manner, the text reflects contemporary trends in the study of social, cultural, and literary themes. Chapters examine key points in the development of the Roman Empire, including the establishment of empire under Augustus, *Pax Romana* and the Antonine Age, the reforms of Diocletian and Constantine, and the fall of the Western Roman Empire. Discussions of the Justinianic Age, the emergence of Byzantium, and the post-Roman West help readers understand the later Roman world and its impact on the subsequent history of Europe. Written to be used as standalone resource or in conjunction with its companion *Volume II: Selective Anthology*, this innovative textbook:

- Combines accessible narrative exposition with thorough examination of historical source material
- Provides well-rounded coverage of Roman economy, society, law, and literary and philosophical culture
- Offers content taken from the author's respected Roman Empire survey courses at Yale and Oxford University
- Includes illustrations, maps and plans, and chapter-by-chapter bibliographical essays

*Empire of the Romans, from Julius Caesar to Justinian* is a valuable text for survey courses in Roman history as well as general readers interested in the 600 year time frame of the empire.





Wiley-Blackwell  
9781444334586  
Ship Date: 26/11/2020  
\$99.95/£60.00 UK/€67.80 EU  
Discount Code: P  
Paperback

576 Pages

## Empire of the Romans

### From Julius Caesar to Justinian: Six Hundred Years of Peace and War, Volume II: Select Anthology

John Matthews

#### Summary

**Offers a broad range of texts spanning six centuries of imperial Roman history—Volume II of *Empire of the Romans, from Julius Caesar to Justinian***

*Empire of the Romans: From Julius Caesar to Justinian: Six Hundred Years of Peace and War, Volume II: Select Anthology* is a compendium of texts that trace the main historical changes of the empire over six hundred years, from the death of Julius Caesar to the late Middle Ages. The second volume of *Empire of the Romans, from Julius Caesar to Justinian*, this anthology balances literary texts with other documentary, legal, and epigraphic sources. Acclaimed author John Matthews presents texts that reflect individual, first-person experiences rather than those from historians outside of the time periods of which they write.

Each selection includes an introduction, annotations on points of interest, author commentary, and suggestions for further reading. Excerpts are organized thematically to help readers understand their meaning without requiring an extensive knowledge of context. Six sections—running in parallel to the structure and content to Volume I—explore the topics such as the building of the empire, *Pax Romana*, the new empire of Diocletian and Constantine, and barbarian invasions and the fall of the Western Empire. Selected texts span a wide array of subjects ranging from political discourse and Roman law, to firsthand accounts of battle and military service, to the civic life and entertainment of ordinary citizens. This volume:

- Covers a vast chronological and topical range
- Includes introductory essays to each selected text to explain key points, present problems of interpretation, and guides readers to further literature
- Balances the different categories and languages of original texts
- Enables easy cross-reference to Volume I
- Minimizes the use of technical language in favor of plain-English forms

Whether used as a freestanding work or as a complement to Volume I, the *Select Anthology* is an ideal resource for students in Roman history survey courses as well as interested general readers seeking a wide-ranging collection of readings on the subject.

#### Contributor Bio

**John Matthews** is Professor Emeritus of Classics and History, Yale University, USA. He received his PhD from Oxford University in 1969 and taught Greek and Roman history at Oxford for many years before moving to Yale in 1996. He was elected Fellow of the British Academy in 1990. He is author of many books including *Western Aristocracies and Imperial Court, A.D. 364-425*, *The Roman Empire of Ammianus*, *Laying Down the Law: A Study of the Theodosian Code*, and *Roman Perspectives: Studies in the social, political and cultural history of the First to Fifth Centuries*. He is also co-author of the acclaimed *Atlas of the Roman World*.

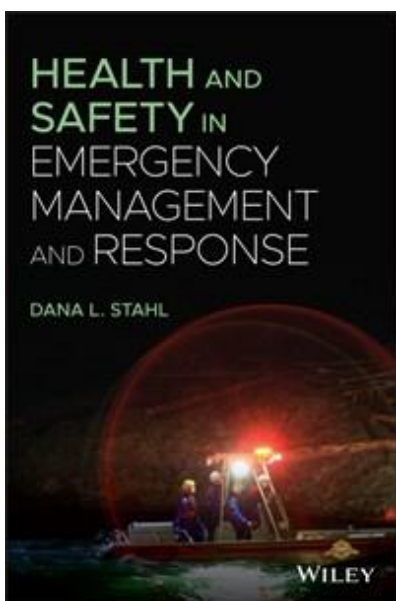
**A Companion to African Literatures**

Olakunle George

No Image  
Available

Wiley-Blackwell  
9781119058175  
Ship Date: 26/11/2020  
\$195.00/£120.00 UK/€135.60 EU  
Discount Code: P  
Hardcover

496 Pages  
Series: Blackwell Companions to  
Literature and Culture



## Health and Safety in Emergency Management and Response

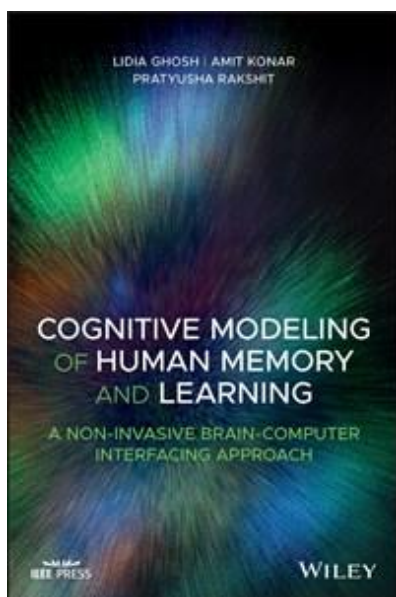
Dana L. Stahl

### Summary

This book familiarizes personnel serving as Emergency Managers, Safety Officers, Assistant Safety Officers, and in other safety-relevant Incident Command System (ICS) roles with physical and psychosocial hazards and stressors that may impact the health and safety of workers and responders in an All-Hazards Response, and ways to minimize exposure. This book provides knowledge on regulations and worker safety practices to the Safety Officer with an emergency responder background, and provides the tools for the Safety Officer with an industrial hygiene or safety professional background that help them be successful in this role. In order to work together effectively, it is important that anyone responding to an emergency be familiar with all standards and protocols.

Wiley-Blackwell  
 9781119560975  
 Ship Date: 27/12/2020  
 \$125.00/£94.95 UK/€106.90 EU  
 Discount Code: P  
 Hardcover

480 Pages



## Cognitive Modeling of Human Memory and Learning

### A Non-invasive Brain-Computer Interfacing Approach

Lidia Ghosh, Amit Konar, Pratyusha Rakshit

#### Summary

**Proposes computational models of human memory and learning using a brain-computer interfacing (BCI) approach**

Human memory modeling is important from two perspectives. First, the precise fitting of the model to an individual's short-term or working memory may help in predicting memory performance of the subject in future. Second, memory models provide a biological insight to the encoding and recall mechanisms undertaken by the neurons present in active brain lobes, participating in the memorization process. This book models human memory from a cognitive standpoint by utilizing brain activations acquired from the cortex by electroencephalographic (EEG) and functional near-infrared-spectroscopic (f-NIRs) means.

*Cognitive Modeling of Human Memory and Learning A Non-invasive Brain-Computer Interfacing Approach* begins with an overview of the early models of memory. The authors then propose a simplistic model of Working Memory (WM) built with fuzzy Hebbian learning. A second perspective of memory models is concerned with Short-Term Memory (STM)-modeling in the context of 2-dimensional object-shape reconstruction from visually examined memorized instances. A third model assesses the subjective motor learning skill in driving from erroneous motor actions. Other models introduce a novel strategy of designing a two-layered deep Long Short-Term Memory (LSTM) classifier network and also deal with cognitive load assessment in motor learning tasks associated with driving. The book ends with concluding remarks based on principles and experimental results acquired in previous chapters.

- Examines the scope of computational models of memory and learning with special emphasis on classification of memory tasks by deep learning-based models
- Proposes two algorithms of type-2 fuzzy reasoning: Interval Type-2 fuzzy reasoning (IT2FR) and General Type-2 Fuzzy Sets (GT2FS)
- Considers three classes of cognitive loads in the motor learning tasks for driving learners

*Cognitive Modeling of Human Memory and Learning A Non-invasive Brain-Computer Interfacing Approach* will appeal to researchers in cognitive neuro-science and human/brain-computer interfaces. It is also beneficial to graduate students of computer science/electrical/electronic engineering.

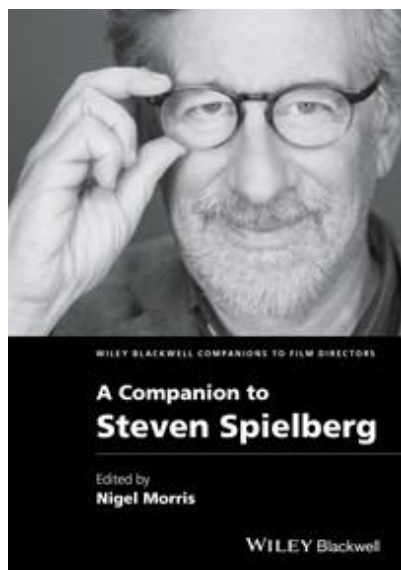
#### Contributor Bio

**LIDIA GHOSH, PhD**, is currently a post-doctoral research fellow on Brain Science and Memory Research, granted by Liverpool Hope University to Jadavpur University, India.

**AMIT KONAR, PhD**, is currently a Professor in the dept. of Electronics and Tele-Communication Engineering (ETCE), Jadavpur University. He is an author of 15 books including a Wiley title: *Emotion Recognition-A Pattern Analysis Approach*.

**PRATYUSHA RAKSHIT, PhD**, is an Assistant Professor of ETCE dept., Jadavpur University, India and is currently on lien to Basque Centre for Applied Mathematics, Bilbao, Spain.

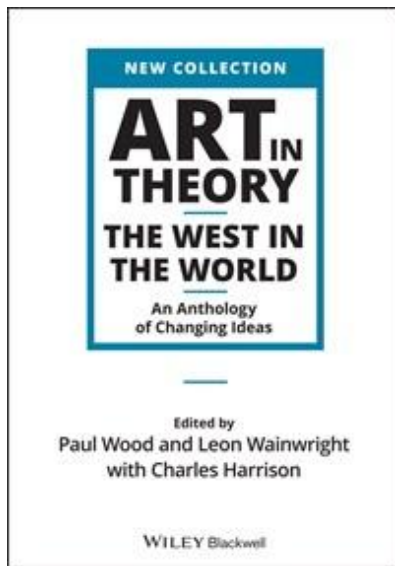
Wiley  
9781119705864  
\$135.00  
Hardcover  
  
272 Pages  
Series: Wiley - IEEE



## A Companion to Steven Spielberg

9781119327844

0 Pages



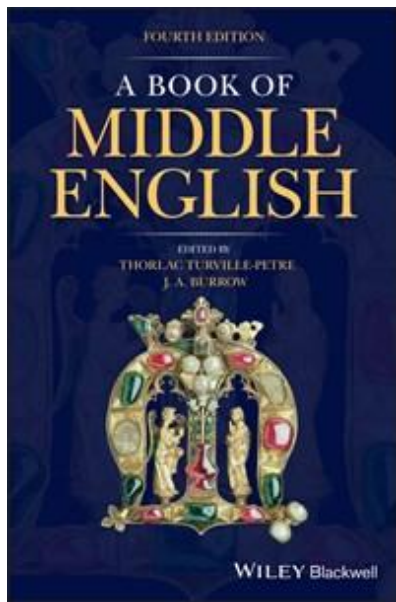
## Art in Theory

### The West in the World – An Anthology of Changing Ideas

Paul Wood, Leon Wainwright, Charles Harrison

Wiley-Blackwell  
 9781444336313  
 Ship Date: 07/01/2021  
 \$45.00/£32.99 UK/€37.30 EU  
 Discount Code: P  
 Paperback

1288 Pages



## **A Book of Middle English** (4th Edition)

Thorlac Turville-Petre

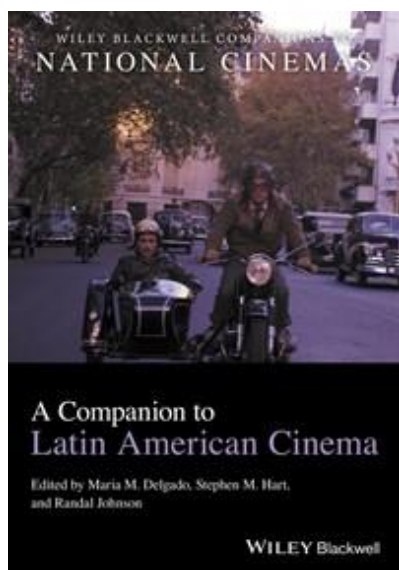
### **Summary**

The *fourth edition* of this essential Middle English textbook introduces students to the wide range of literature written in England between 1150 and 1400. Beginning with an extensive overview of middle English history, grammar, syntax, and pronunciation, the book goes on to examine key middle English texts — including a new extract from Julian of Norwich's *Revelation of Divine Love* — with helpful notes to direct students to key points within the text. Keeping in mind adopter feedback, this new edition includes a new model translation section with a student workbook and model exercise for classroom use. This new chapter will include sections on 'false friend' words, untranslatable idioms and notes on translating both poetry and prose. The text and references will be fully updated throughout and a foreword dedicated to the late J. A. Burrow will be included.

Wiley-Blackwell  
 9781119619277  
 Ship Date: 03/12/2020  
 \$45.95/£34.99 UK/€39.60 EU  
 Paperback

480 Pages





Wiley-Blackwell  
97811119329206  
\$54.95/£44.50 UK  
Paperback

500 Pages  
Series: Wiley Blackwell  
Companions to National Cinemas

## A Companion to Latin American Cinema

Maria M. Delgado, Stephen M. Hart, Randal Johnson

### Summary

*A Companion to Latin American Cinema* offers a wide-ranging collection of newly commissioned essays and interviews that explore the ways in which Latin American cinema has established itself on the international film scene in the twenty-first century.

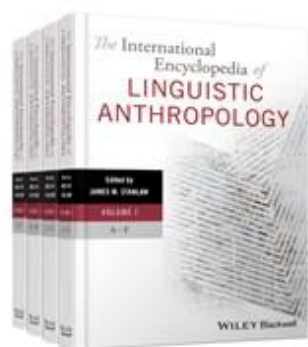
- Features contributions from international critics, historians, and scholars, along with interviews with acclaimed Latin American film directors
- Includes essays on the Latin American film industry, as well as the interactions between TV and documentary production with feature film culture
- Covers several up-and-coming regions of film activity such as nations in Central America
- Offers novel insights into Latin American cinema based on new methodologies, such as the quantitative approach, and essays contributed by practitioners as well as theorists

### Contributor Bio

**Maria M. Delgado** is Professor and Director of Research at The Royal Central School of Speech and Drama, University of London, and has served as a programme advisor to the London Film Festival since 1997. Recent publications include *Spanish Cinema 1973–2010* (2013) and *A History of Theatre in Spain* (2012). She is a regular contributor to *Sight & Sound* and a range of BBC Radio programmes.

**Stephen M. Hart** is Professor of Latin American Film, Literature and Culture at University College London. He is also general editor of *Tamesis* and founder-director of the Centre of César Vallejo Studies. His publications include *Gabriel García Márquez* (2016), *Latin American Cinema* (2015), and *A Companion to Latin American Literature* (2007).

**Randal Johnson** is Distinguished Professor of Brazilian Literature and Cinema at the University of California, Los Angeles. He is the author of *Manoel de Oliveira* (2007), *Antônio das Mortes* (1998), *The Film Industry in Brazil: Culture and the State* (1987), and *Cinema Novo x 5: Masters of Contemporary Brazilian Film* (1984).



# The International Encyclopedia of Linguistic Anthropology

**4 Volume Set**

James Stanlaw

## Summary

**A unique, comprehensive four-volume reference work, representing the combined insights of the leading authorities in linguistic anthropology**

Wiley Blackwell's *International Encyclopedia of Linguistic Anthropology* is a key scholarly reference for researchers working in linguistic anthropology, communication studies, education, psychology, and sociology, as well as those involved in language revitalization and other community and applied linguistics programs. The only encyclopedia of its kind, this field-encompassing work serves as an essential reference on the history, development, and modern advancements of the full field of linguistic anthropology. However, the encyclopedia is not limited to coverage of the standard canon, but rather is a forward-looking account of the field, addressing the latest—sometimes even controversial—issues in the discipline. With entries authored by leading international scholars, the encyclopedia's key areas of content include language, thought, and culture; language evolution, acquisition and socialization; language ideologies; speech communities; language, race, and ethnicity; multilingualism and globalization; performance and verbal arts; and literacy and schooling. This essential reference work:

- Provides complete coverage of the field of linguistic anthropology
- Covers subjects of both new and longstanding interest in the field
- Includes over 400 entries by international experts in their fields
- Stands as the only encyclopedia of its kind to provide an overview of the goals and scientific techniques in the field
- Acts as an important resource for linguistic anthropologists, linguists, and other social scientists

In four comprehensive volumes comprising more than 400 unique entries, this encyclopedia offers authoritative coverage on the leading figures and major events in the development of linguistic anthropology, the theoretical frameworks behind contemporary practice, the methodologies and technologies of modern fieldwork, and the leading developments in new research.

## Contributor Bio

**James Stanlaw, PhD**, is Professor of Anthropology at Illinois State University, USA. His research interests include Japanese, East and Southeast Asian ethnography and linguistics, cognition, language contact, and sociolinguistics. He was a contributing editor to *Anthropology News* for the Society for Linguistic Anthropology and was President of the Central States Anthropological Society. His books include *Japanese and English: Language and Culture Contact*, *Wasei Eigo to Nihon-jin*, and, with Nobuko Adachi and Zdenek Salzman, *Language, Culture, and Society: An Introduction to Linguistic Anthropology*.

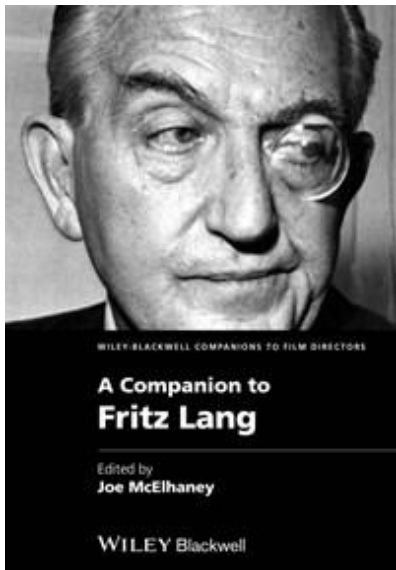
John Wiley & Sons  
9781118786765  
Ship Date: 09/12/2020  
\$875.00/£699.00 UK/€747.90 EU  
Discount Code: EN  
Hardcover

## **Twentieth Century Theologians: Explorations in a Global Tradition**

No Image  
Available

97811119611189

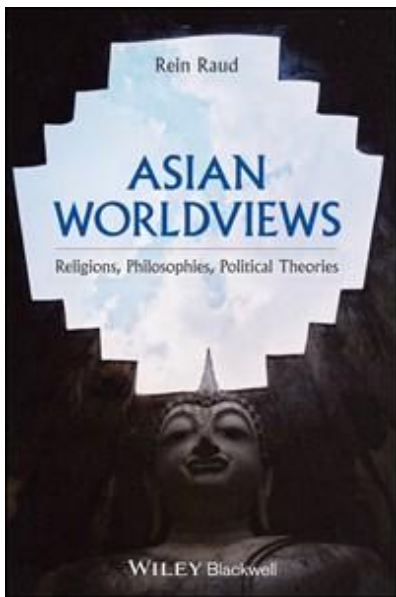
0 Pages



## Companion To Fritz Lang

Joe McElhaney

Wiley-Blackwell  
9781119069058  
£44.50 UK  
Paperback



## **Asian Worldviews**

**Religions, Philosophies, Ideologies – An Introductory Overview**

Rein Raud

Wiley-Blackwell  
 9781119165972  
 Ship Date: 04/02/2021  
 \$39.95/£22.99 UK/€26.00 EU  
 Discount Code: P  
 Paperback

330 Pages

## **The Handbook of Language and Speech Disorders, 2nd Edition**

No Image  
Available

97811119606963

0 Pages

**The World's Christians: Who they are, Where they are,  
and How they got there, 2nd Edition**

No Image  
Available

97811119626107

0 Pages





## The Wiley Blackwell Companion to Semantics

### 5 Volume Set

Daniel Gutzmann, Lisa Matthewson, Cecile Meier, Ho...

### Summary

**An inclusive survey of linguistic semantics, written by prominent experts in the field**

*The Wiley Blackwell Companion to Semantics* provides a thorough investigation of issues and phenomena central to the development of modern semantics and its interfaces. Presenting in-depth chapters written by leading experts in the field, this book investigates competing analyses and approaches, examines their conceptual foundations, and evaluates them as applied to various languages. This authoritative collection enables scholars and students of semantics—as well as those from associated areas of linguistics such as syntacticians—to broaden and deepen their knowledge of the subject and the developments in the field.

Presenting over 100 case studies, the collection of chapters within this *Companion* is organized in alphabetical order for ease of reference. This key reference work:

- Provides detailed coverage of the major developments in linguistic semantics over the past several decades
- Demonstrates how research can identify differences and similarities in a variety of languages
- Presents studies that encompass well-delimited empirical areas and play important roles in theoretical debates
- Identifies topics via famous example sentences

*The Wiley Blackwell Companion to Semantics* is a valuable reference work for scholars, researchers, academics, and students in linguistics and related areas.

### Contributor Bio

**Daniel Gutzmann** is Senior Lecturer in German Linguistics at the University of Cologne, Germany. His research interests are semantics, pragmatics, and syntax. He is the author of *Use-Conditional Meaning* (2015) and *The Grammar of Expressivity* (2019), as well as co-editor of *Beyond Expressives* (2013), *Approaches to Meaning: Composition, Values, and Interpretation* (2014), and *Secondary Content* (2019).

**Lisa Matthewson** is Professor of Linguistics at the University of British Columbia, Canada. Her research interests centre on semantic variation and universals. She is co-editor of *Methodologies in Semantic Fieldwork* (2015) and *Quantification: A Cross-Linguistic Perspective* (2008) as well as authoring other works.

**Cécile Meier** is Senior Lecturer at Goethe-Universität, Frankfurt, Germany. She has worked on the interpretation of adjectives and comparison constructions, and on definiteness. She is a co-editor of *Approaches to Meaning. Composition, Values and Interpretation* (2014) and *Subjective Meaning. Alternatives to Relativism* (2016).

**Hotze Rullmann** is Associate Professor at the University of British Columbia, Canada. He is co-editor of *Perspectives on Negation and Polarity Items* (2001) and has published on a variety of topics in semantics, including questions, comparatives, negative polarity, focus particles, modality, and the interaction of modals with tense and aspect.

**Thomas Ede Zimmermann** is Professor of Formal Semantics at Goethe-Universität, Frankfurt, Germany. His main research interests include descriptive compositional

John Wiley & Sons  
9781118788318  
Ship Date: 22/12/2020  
\$795.00/£603.00 UK/€679.50 EU  
Discount Code: EN  
Hardcover

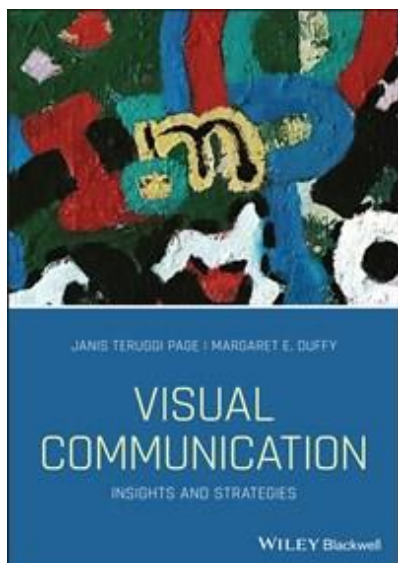
3520 Pages  
Series: The Wiley Blackwell  
Companions to Linguistics



## The Wiley Handbook of Sex Therapy

9781119121183

0 Pages



John Wiley & Sons  
 9781119226475  
 Ship Date: 31/12/2020  
 \$59.95/£45.50 UK/€51.30 EU  
 Discount Code: BT  
 Paperback

304 Pages

## Visual Communication

### Insights and Strategies

Janis Teruggi Page, Margaret Duffy

### Summary

**Teaches visual literacy, theory, scholarly critique, and practical application of visuals in professional communication careers**

Based on years of research, *Visual Communication Insights and Strategies* explores visual imagery in advertising, news coverage, political discourse, popular culture, and digital and social media technologies. It is filled with insights into the role of visuals in our dynamic social environment and contains strategies on how to use them.

The authors teach theoretically-informed literacy and critical analysis of visual communication and show how to assess and apply this knowledge in the fields of advertising, public relations, journalism, organizational communication, and intercultural communication. This important book:

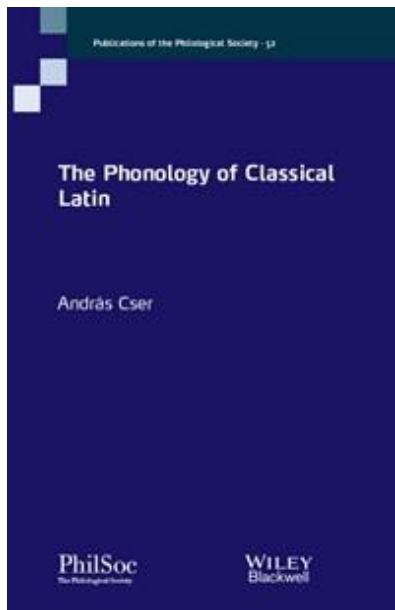
- Reveals how to analyze visual imagery
- Contains a research-based approach to the topic
- Introduces a 3-step process, *Research-Evaluate-Create*, to apply the knowledge gained
- Combines research, theory, and professional practice of visual communication

Designed for undergraduate and graduate courses in visual communication courses, as well as visual rhetoric, visual literacy, and visual culture, *Visual Communication Insights and Strategies* reveals how to apply rhetorical theories to visual imagery.

### Contributor Bio

**Janis Teruggi Page, PhD**, is Visiting Professor, Communication Department, University of Illinois at Chicago.

**Margaret E. Duffy, PhD**, is Executive Director, Novak Leadership Institute and Professor of Strategic Communication, University of Missouri.



## The Phonology of Classical Latin

Andras Cser

### Summary

This work is a comprehensive corpus-based description of the synchronic segmental phonology of Classical Latin.

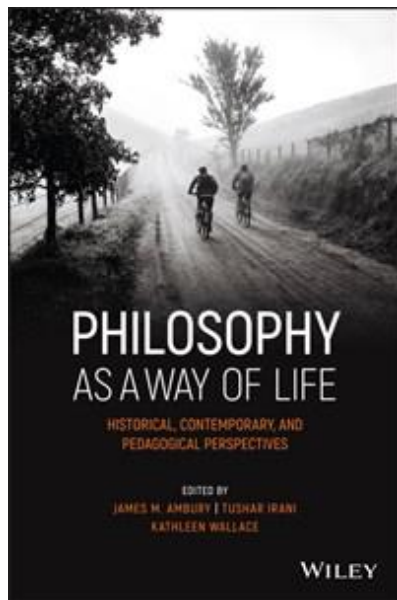
- Provides a full description of the phonology of a dead language and also highlights how the patterns and processes described contribute to phonological theory
- Research results include novel analyses of segmental phenomena, phonotactics, phonological processes, inflectional morphology, and certain diachronic questions
- Informed by specific hypotheses about how phonological representations are structured and how phonological rules work, and in turn how the findings corroborate these hypotheses
- Theoretically grounded and provides raw material for researchers of phonology, morphology and historical linguistics

### Contributor Bio

**András Cser** teaches linguistics at Pázmány Péter Catholic University. Besides Latin phonology, he has published on phonological theory, morphology, diachronic linguistics and the history of linguistics (Hungarian as well as European). His works include *The Typology and Modelling of Obstruent Lenition and Fortition Processes* (2003). He is the editor of *Acta Linguistica Academica*.

Wiley-Blackwell  
9781119700609  
Ship Date: 09/07/2020  
\$39.95/£22.99 UK/€26.00 EU  
Discount Code: P  
Paperback

240 Pages  
Series: Publications of the  
Philological Society



Wiley-Blackwell  
9781119746867  
Ship Date: 22/10/2020  
\$34.95/£19.99 UK/€22.60 EU  
Discount Code: P  
Paperback

300 Pages  
Series: Metaphilosophy

## Philosophy as a Way of Life

### Historical, Contemporary, and Pedagogical Perspectives

James M. Ambury, Tushar Irani, Kathleen Wallace

#### Summary

In the ancient world, philosophy was understood to be a practical guide for living, or even itself a way of life. This volume of essays brings historical views about philosophy as a way of life, coupled with their modern equivalents, more prevalently into the domain of the contemporary scholarly world.

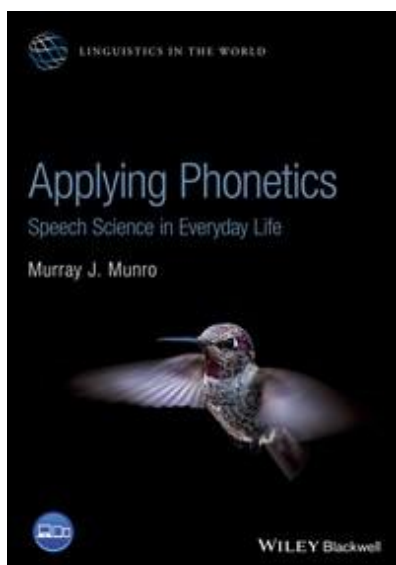
- Illustrates how the articulation of philosophy as a way of life and its pedagogical implementation advances the love of wisdom
- Questions how we might convey the love of wisdom as not only a body of dogmatic principles and axiomatic truths but also a lived exercise that can be practiced
- Offers a collection of essays on an emerging field of philosophical research
- Essential reading for academics, researchers and scholars of philosophy, moral philosophy, and pedagogy; also business and professional people who have an interest in expanding their horizons

#### Contributor Bio

**James M. Ambury** is an associate professor of philosophy at King's College in Wilkes-Barre, Pennsylvania, and is a member of the Mellon Philosophy as a Way of Life Network. He is the co-editor (with Andy German) of *Knowledge and Ignorance of Self in Platonic Philosophy* (2019) and has published articles in *Ancient Philosophy*, *International Philosophical Quarterly*, *Proceedings of the Boston Area Colloquium in Ancient Philosophy*, *Dionysius*, and *Plato*.

**Tushar Irani** is an associate professor of philosophy and letters at Wesleyan University, Connecticut. Apart from his interests in philosophy as a way of life, he works on issues of philosophical method, the history and practice of rhetoric, virtue ethics, and moral psychology in ancient Greek and Roman philosophy. He is the author most recently of *Plato on the Value of Philosophy: The Art of Argument in the Gorgias and Phaedrus* (2017).

**Kathleen Wallace** is professor of philosophy and department chairperson at Hofstra University. She is the author of *The Network Self: Relation, Process, and Personal Identity* (2019). In addition to her interest in philosophy as a way of life, her work spans interests in personal identity and anonymity, ethics, metaphysics, and American philosophy. She is currently on the Board of the Society for the Advancement of American Philosophy and is also the book review editor for *Metaphilosophy*.



John Wiley & Sons  
9781119164548  
Ship Date: 15/10/2020  
\$42.95/£32.95 UK/€36.70 EU  
Discount Code: BT  
Paperback

240 Pages  
Series: Linguistics in the World

## Applying Phonetics

### Speech Science in Everyday Life

Murray J. Munro

#### Summary

**A unique and accessible introduction to the field of phonetics through real-life applications and practical examples**

The dynamic field of phonetics, the science of the structure and function of human speech, has seen exciting technological innovations and new applications in recent years. *Applying Phonetics* introduces students to the field through a unique exploratory approach that highlights practical applications and focuses on the diverse ways in which the speech sciences influence daily life. Requiring no prior knowledge of linguistics, this accessible, student-friendly textbook introduces the key concepts in phonetics and explains their relevance to contemporary applications. Even students who have completed introductory linguistics courses will discover plenty of new material in this volume.

Rather than immediately delving into complex theoretical information, the text presents a brief overview of basic concepts and then uses applications—speech synthesis, forensic speech science, language teaching—to explain the details. This unique approach increases student interest and comprehension, clearly demonstrating how speech science is beneficial to society. Engaging, easily-relatable topics include speech anatomy and physiology, the nature of normal and disordered speech development, the origins of speech, and speech applications in forensics, music, drama, film, and business. Written by a respected expert with over 25 years' experience teaching linguistics and phonetics, this textbook

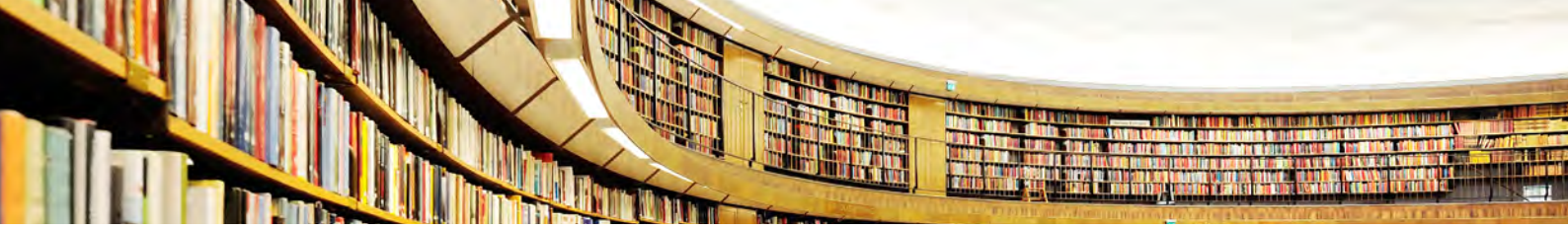
- Explores the wide-ranging applications of phonetics areas such as accessibility, computer speech, education, the fine arts, and business
- Demonstrates how practical problems have been addressed through phonetics, such as the use of speech analysis for forensic purposes
- Presents real-life case studies that illustrate fundamental phonetics concepts
- Includes exercises and activities, discussion questions, an extensive glossary, further readings, and a companion website

*Applying Phonetics: Speech Science in Everyday Life* is an ideal text for undergraduate students with no prior knowledge of linguistics, as well as those needing to expand their knowledge of phonetic principles. It will appeal to students in education, computer science, cognitive science, biology, psychology, business, and music.

#### Contributor Bio

**MURRAY J. MUNRO** is Professor in the Department of Linguistics at Simon Fraser University, Vancouver, Canada, where he has taught linguistics and phonetics for the past 25 years. His published books include *Pronunciation* (co-edited with J. Levis, 2017) and *Pronunciation Fundamentals: Evidence-based perspectives for L2 Teaching and Research* (co-authored with T. Derwing, 2015). His research centers on the ways in which linguistics can be used to address practical problems and has appeared in a wide range of journals covering the speech sciences and applied linguistics.

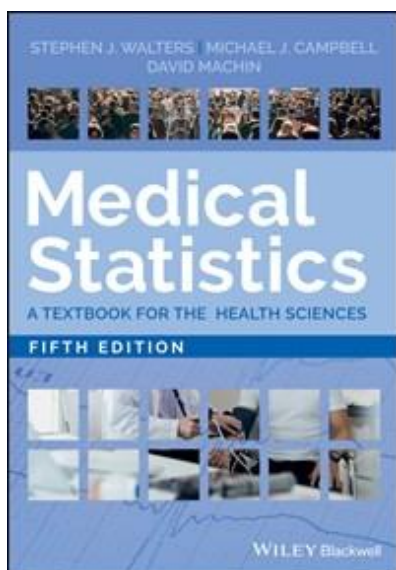




# Health Sciences







Wiley-Blackwell  
 9781119423645  
 Ship Date: 01/10/2020  
 \$57.95/£34.99 UK/€39.60 EU  
 Discount Code: P  
 Paperback

424 Pages

## **Medical Statistics (5th Edition)**

### **A Textbook for the Health Sciences**

Stephen J. Walters, Michael J. Campbell, David Mac...

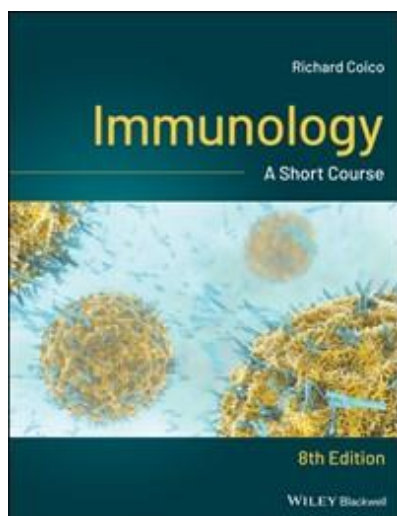
### **Summary**

The 5<sup>th</sup> edition of this popular introduction to statistics for the medical and health sciences has undergone a significant revision, with several new chapters added and examples refreshed throughout the book. Yet it retains its central philosophy to explain medical statistics with as little technical detail as possible, making it accessible to a wide audience.

Helpful multi-choice exercises are included at the end of each chapter, with answers provided at the end of the book. Each analysis technique is carefully explained and the mathematics kept to minimum. Written in a style suitable for statisticians and clinicians alike, this edition features many real and original examples, taken from the authors' combined many years' experience of designing and analysing clinical trials and teaching statistics.

Students of the health sciences, such as medicine, nursing, dentistry, physiotherapy, occupational therapy, and radiography should find the book useful, with examples relevant to their disciplines. The aim of training courses in medical statistics pertinent to these areas is not to turn the students into medical statisticians but rather to help them interpret the published scientific literature and appreciate how to design studies and analyse data arising from their own projects. However, the reader who is about to design their own study and collect, analyse and report on their own data will benefit from a clearly written book on the subject which provides practical guidance to such issues.

The practical guidance provided by this book will be of use to professionals working in and/or managing clinical trials, in academic, public health, government and industry settings, particularly medical statisticians, clinicians, trial co-ordinators. Its practical approach will appeal to applied statisticians and biomedical researchers, in particular those in the biopharmaceutical industry, medical and public health organisations.



Wiley-Blackwell  
 9781119551577  
 Ship Date: 01/10/2020  
 \$75.00/£59.99 UK/€68.30 EU  
 Discount Code: P  
 Paperback

418 Pages

## **Immunology (8th Edition)** **A Short Course**

Richard Coico

### **Summary**

*Immunology: A Short Course* provides an overview of the physiology of the immune system and the pathophysiology of a broad range of immune-mediated diseases, offering accessible and comprehensive guidance to the basic concepts and clinical approaches in the discipline.

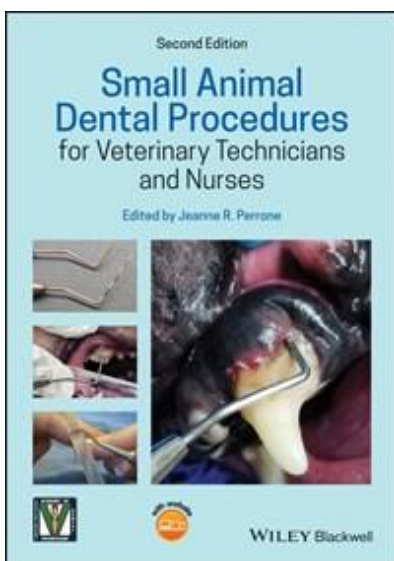
Now in its eighth edition, this bestselling textbook has been fully updated to reflect our expanded knowledge of how the immune system develops and functions, and the ways in which these physiological phenomena can fail or be compromised. New chapters examine cells and organs of the immune system, organization and expression of lymphocyte antigen receptor genes, experimental systems and methods, and B- and T-cell development activation. Helping students gain an integrated understanding of immunology, this textbook:

- Offers substantial new and revised material, expanded clinical coverage, enhanced pedagogical features, and updated figures, tables, and references
- Features recent research advances and therapeutic successes in the field of immunology
- Includes a companion website containing multiple choice questions, electronic flashcards, downloadable figures, PowerPoint slides, and sample cases
- Can be supplemented with the *Clinical Cases in Immunology* companion book

The eighth edition of *Immunology: A Short Course* is an ideal resource for life and health science students, dental and nursing students seeking a short course text, and basic scientists and clinical researchers looking to refresh their knowledge in the subject.

### **Contributor Bio**

Richard Coico is Director of the Clinical and Translational Science Center and Professor of Cell Biology and Medicine in the College of Medicine, SUNY Downstate Health Sciences University in New York, USA. He is former President of the Association of Medical School Microbiology and Immunology Chairs (AMSMIC).



Wiley-Blackwell  
 9781119451839  
 Ship Date: 01/10/2020  
 \$69.99/£56.50 UK/€59.00 EU  
 Discount Code: MX  
 Paperback

272 Pages

## Small Animal Dental Procedures for Veterinary Technicians and Nurses (2nd Edition)

Jeanne R. Perrone

### Summary

*Small Animal Dental Procedures for Veterinary Technicians and Nurses, 2nd Edition* brings together all aspects of canine, feline, and exotic animal dentistry for veterinary technicians and nurses. Offering complete coverage of all aspects of dental treatment for dogs, cats, and exotic pets, the book describes techniques for veterinary technicians providing dental care. The new edition includes brand new information on digital radiology, plus updates to current protocols and improved images throughout the book.

The chapters contained within include in-depth coverage of all stages of small animal dental care, including:

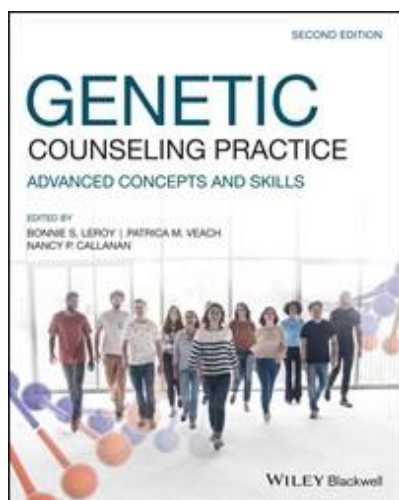
- Anesthesia
- Radiology
- Dental cleaning
- Common diseases and treatment
- Equipment needs and maintenance
- Exotic dentistry

*Small Animal Dental Procedures for Veterinary Technicians and Nurses* includes access to a companion website that provides video clips, review questions, training exercises, forms, and editable glossaries. This book is an essential and invaluable resource for any veterinary technology student, veterinary technician or nurse regularly or occasionally engaged in small animal dental care.

### Contributor Bio

#### The Editor

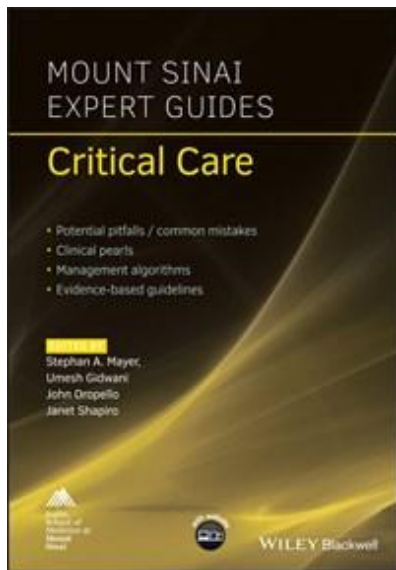
**Jeanne R. Perrone**, MS, CVT, VTS (Dentistry), is owner and facilitator of VT Dental Training, which provides consulting and dentistry skills training for veterinary staff, and serves as an online adjunct instructor for the Veterinary Technician program in dentistry at St. Petersburg College in St. Petersburg, FL, USA.



## **Genetic Counseling Practice: Advanced Concepts and Skills, 2nd Edition**

9781119529859

0 Pages



## Critical Care

Stephan A. Mayer, Umesh Gidwani, John Oropello

### Summary

Part of the Mount Sinai Expert Guide series, this outstanding book provides rapid-access, clinical information on all aspects of Critical Care with a focus on clinical diagnosis and effective patient management. With strong focus on the very best in multidisciplinary patient care, it is the ideal point of care consultation tool for the busy physician.

Wiley-Blackwell  
 9781119293262  
 Ship Date: 05/11/2020  
 \$85.00/£54.99 UK/€62.20 EU  
 Discount Code: P  
 Paperback

480 Pages  
 Series: Mount Sinai Expert Guides

## CLINICAL GUIDE TO ORAL DISEASES

DIMITRIS MALAMOS | CRISPIAN SCULLY



Wiley-Blackwell  
9781119328117  
Ship Date: 31/12/2020  
\$65.00/£49.99 UK/€56.50 EU  
Discount Code: P  
Paperback

280 Pages

## Clinical Guide to Oral Diseases

Dimitris Malamos, Crispian Scully

### Summary

**A quick reference and revision guide on the most common oral and perioral diseases seen in clinical practice**

*Clinical Guide to Oral Diseases* is a concise reference on the common diseases encountered in daily practice. Presenting a large selection of clinical cases, this user-friendly resource covers a range of oral and perioral lesions located in hard and soft tissues of the mouth and neck, as well oral manifestations of various systemic diseases. Nearly 300 high-quality color images complement succinct descriptions of clinical cases seen in both community and hospital care settings.

Divided into three parts, the text first covers oral lesions classified by their color, appearance, and symptomatology such as bleeding, disturbances of saliva, taste, and orofacial pain. Part two describes the most common oral lesions by location, including those in the buccal mucosae, floor of mouth, gingivae and jaws, lips, neck, palate, salivary glands, tongue, and teeth. The third part encompasses oral lesions that are normal variations or those common to specific age groups or associated with various clinical phenomena.

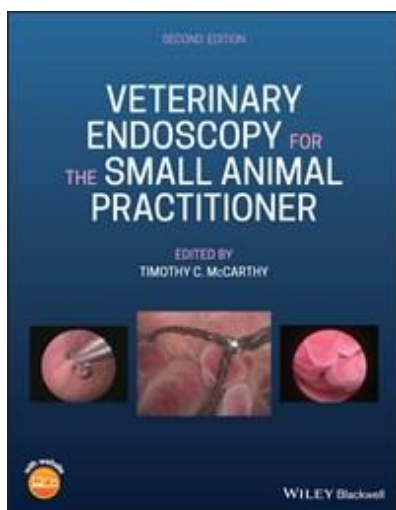
- Provides nearly 300 high-quality clinical photos and relevant questions to help lead readers to the proper diagnosis of common oral diseases
- Contains concise tables relevant to each chapter with a list of common oral lesions and conditions
- Offers MCQs of varying levels of difficulty to help readers test their knowledge in Oral Medicine
- Includes clinical flow charts according to the location and duration of oral lesions
- Incorporates the ICD-10 Codes of oral lesions and diseases

*Clinical Guide to Oral Diseases* is a valuable reference for general dental and medical practitioners, undergraduate dental students, and postgraduate trainees in oral and maxillofacial surgery, oral medicine, oral pathology, periodontology as well as general pathology, dermatology or head and neck oncology.

### Contributor Bio

**Dr Dimitris Malamos**, DDS, MSc, PhD and DIP.O.M. is an Oral Medicine Specialist at the Oral Medicine Clinic of the National Organization for the Provision of Health Services, Athens, Greece.

**Professor Crispian Scully**, CBE, MD, PhD, MDS, MRCS, BSC, FDS RCS, FDS RCPS, FFD RCSI, FDSRCSF, FRC Path, FMedSci, FHFA, FUCL, DSc, DCKD, DMed (HC) was formerly Co-Director of the WHO Collaborating Centre for Oral Health-General Health and Emeritus Professor at University College London, UK.



Wiley-Blackwell  
 9781119155867  
 Ship Date: 05/11/2020  
 \$169.99/£138.00 UK/€145.30 EU  
 Discount Code: MX  
 Hardcover

656 Pages

## Veterinary Endoscopy for the Small Animal Practitioner (2nd Edition)

Timothy C. McCarthy

### Summary

*Veterinary Endoscopy for the Small Animal Practitioner, Second Edition*, gives veterinarians guidance in incorporating diagnostic endoscopy, interventional endoscopy, and minimally invasive soft tissue surgery into their small animal practices. This highly practical reference supports practitioners in adding and effectively using endoscopy techniques in their practices. With a clinically oriented approach, it focuses on applications for rigid and flexible endoscopy, making comprehensive information on these techniques easily accessible.

The book covers soft tissue endoscopy, including airway endoscopy, gastrointestinal endoscopy, diagnostic and operative laparoscopy, diagnostic and operative thoracoscopy, urogenital endoscopy, and otoscopy. Thousands of images, including endoscope images and clinical photographs, enhance the text.

- Covers diagnostic endoscopy, interventional endoscopy, and minimally invasive soft tissue surgery
- Includes thousands of images to illustrate endoscopy concepts for veterinarians
- Provides a clinically oriented reference book for using rigid and flexible endoscopy in a small animal practice
- Supports veterinarians who are seeking to increase their services and enhance their revenue streams

Any practitioner who is using or preparing to use endoscopic techniques will find *Veterinary Endoscopy for the Small Animal Practitioner* an essential practice resource.

### Contributor Bio

#### The editor

**Timothy C. McCarthy**, DVM, PhD, Diplomate Emeritus, American College of Veterinary Surgeons, is an ACVS Founding Fellow in Minimally Invasive Surgery (Small Animal Soft Tissue and Small Animal Orthopedics) and owner of VetMIST, providing Veterinary Minimally Invasive Surgery Training, based in Beaverton, Oregon, USA.

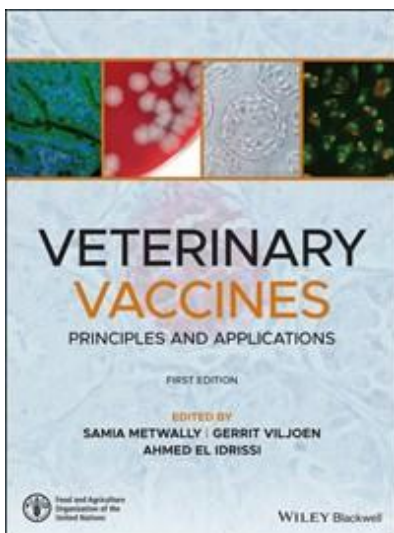




## The Great Ormond Street Hospital Manual of Children and Young People's Nursing Practices, 2nd Edition

9781118898222

0 Pages



## Veterinary Vaccines

### Principles and Applications

Samia Metwally, Gerrit Viljoen, Ahmed El Idrissi

#### Summary

**Provides a concise and authoritative reference on the use of vaccines against diseases of livestock**

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.

It covers advice and recommendations for vaccine production, quality control, and effective vaccination schemes including vaccine selection, specifications, vaccination programs, vaccine handling in the field, application, failures, and assessment of herd protection. In addition, the book presents discussions on the current status and potential future developments of vaccines and vaccination against selected transboundary animal diseases.

- 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
- Discusses the today's state of vaccines and vaccination against selected transboundary animal diseases as well as possible future developments in the field

*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.

#### Contributor Bio

**Samia Metwally** is a Senior Animal Health Officer (Virologist) in the Animal Production and Health Division at The Food and Agriculture Organization of the United Nations, Rome, Italy.

**Gerrit Viljoen** is Head of Animal Production and Health Section of the Joint FAO/IAEA Division, Vienna, Austria.

**Ahmed El Idrissi** is Former Senior Animal Health Officer (Bacterial & Zoonotic Diseases) in the Animal Production and Health Division at The Food and Agriculture Organization of the United Nations, Rome, Italy.

Wiley-Blackwell  
9781119505952  
Ship Date: 19/11/2020  
\$190.00/£150.00 UK/€169.50 EU  
Discount Code: P  
Hardcover

350 Pages

# An Illustrated Atlas of Tooth Carving and Wax-Up Techniques

Anil Bangalore Shivappa

No Image  
Available

## Summary

**Learn the basics of dental morphology while improving your cognitive and psychomotor skills with one authoritative resource**

*An Illustrated Atlas of Tooth Carving and Wax-Up Techniques* combines important information on dental morphology, and tooth carving and wax-up techniques. This book provides those who wish to improve their cognitive and psychomotor skills with a comprehensive and authoritative resource essential to aesthetic and restorative procedures.

Containing clear diagrams and detailed explanations on dental morphology and tooth carving, this book is invaluable for the improvement of manual dexterity in undergraduate and graduate students, particularly in the area of aesthetic procedures and restorative procedures.

- Contains information on the pre-carving preparation of wax blocks
- Provides a description of anatomical landmarks
- Offers a complete and stepwise guide to the carving and wax-up of each tooth
- Includes video resources, located on the companion website, to assist students in the procedure

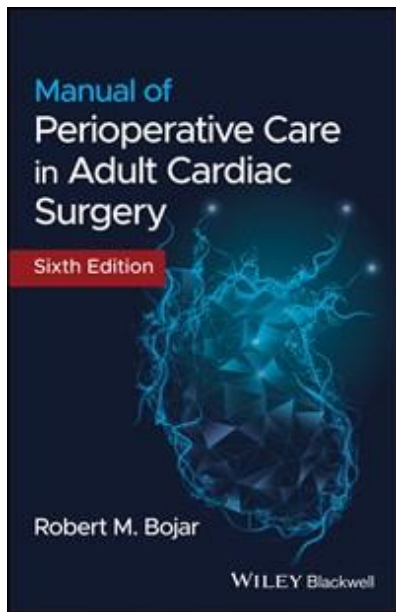
*An Illustrated Atlas of Tooth Carving and Wax-Up Techniques* is perfect for undergraduate and graduate students in dentistry who aim to improve their cognitive and psychomotor skills.

## Contributor Bio

**Dr. Anil Bangalore Shivappa** is Lecturer at the Department of Oral and Maxillofacial Surgery & Diagnostic Sciences, College of Dentistry, King Faisal University, Saudi Arabia.

Wiley-Blackwell  
9781119573586  
Ship Date: 19/11/2020  
\$135.00/£99.99 UK/€113.00 EU  
Discount Code: P  
Hardcover

272 Pages



## **Manual of Perioperative Care in Adult Cardiac Surgery**

**(6th Edition)**

Robert M. Bojar

Wiley-Blackwell  
9781119582557  
Ship Date: 19/11/2020  
\$80.00/£59.99 UK/€67.80 EU  
Paperback

880 Pages

## Practical Statistics for Nursing and Health Care (2nd Edition)

Jim Fowler, Philip Jarvis, Mel Chevannes

No Image  
Available

### Summary

Now in its second edition, *Practical Statistics for Nursing and Health Care* provides a sound foundation for nursing, midwifery and other health care students and early career professionals, guiding readers through the often daunting subject of statistics 'from scratch'. Making no assumptions about one's existing knowledge, the text develops in complexity as the material and concepts become more familiar, allowing readers to build the confidence and skills to apply various formula and techniques to their own data.

The authors explain common methods of interpreting data sets and explore basic statistical principles that enable nurses and health care professionals to decide on suitable treatment, as well as equipping readers with the tools to critically appraise clinical trials and epidemiology journals.

- Offers information on statistics presented in a clear, straightforward manner
- Covers all basic statistical concepts and tests, and includes worked examples, case studies, and data sets
- Provides an understanding of how data collected can be processed for the patients' benefit
- Contains a new section on how to calculate and use percentiles

Written for students, qualified nurses and other healthcare professionals, *Practical Statistics for Nursing and Health Care* is a hands-on guide to gaining rapid proficiency in statistics.

### Contributor Bio

**Jim Fowler**, former Principal Lecturer, Department of Biological Sciences, De Montfort University, Leicester, UK.

**Philip Jarvis**, Statistician, Novartis Pharma AG, Basel, Switzerland.

**Mel Chevannes**, Emeritus Professor of Nursing, University of Wolverhampton, Wolverhampton, UK.

Wiley-Blackwell  
9781119698524  
Ship Date: 19/11/2020  
\$56.95/£39.99 UK/€45.20 EU  
Discount Code: P  
Paperback  
400 Pages

**Sarcopenia** *(2nd Edition)*

Alfonso A Cruz-Jentoft, John E. Morley

No Image  
Available

Wiley-Blackwell  
9781119597872  
Ship Date: 07/01/2021  
\$165.00/£125.00 UK/€141.90 EU  
Discount Code: P  
Hardcover

384 Pages

## Examination of the Newborn (3rd Edition)

### An Evidence-Based Guide

Anne Lomax

No Image  
Available

#### Summary

*Examination of the Newborn* is essential reading for students and practitioners involved in neonatal examinations. Now in its third edition, this practical evidence-based guide reflects the most current Public Health England (PHE) Newborn and Infant Physical Examination (NIPE) Standards to help readers deliver high quality, family-centered care within current national guidelines. Each chapter is firmly placed within the context of the current PHE standards to help ensure good practice in both hospital and community settings.

This fully-revised edition incorporates current educational and healthcare guidelines relevant to the neonatal examination, including up-to-date information on the new Nursing and Midwifery Council (NMC) Standards for Education. New and expanded topics include history taking and the examination of the newborn, midwifery professional issues, the use of pulse oximetry, and the importance of observing maternal and infant attachment during examination. An invaluable guide to neonatal examination, this book:

- Reflects the most current UK National Screening Committee (UK NCS) Standards of clinical practice
- Includes contributions from a multidisciplinary team of specialists, covering cardiovascular and respiratory assessment; examinations of skin, head, neck and eyes; chromosomal and genetic problems; newborn behavioural aspects, and more
- Features full-colour photographs and illustrations, clinical case studies, and an updated and expanded companion website containing interactive questions, checklists, links to video resources, and a wealth of information on all aspects of examining the newborn

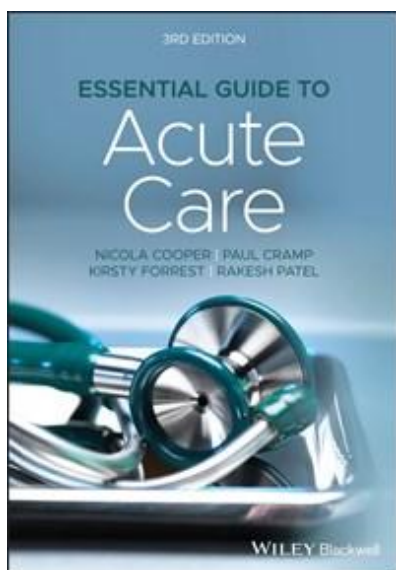
*Examination of the Newborn* is an indispensable source of authoritative knowledge for nursing students, midwives, neonatal nurses and practitioners, pediatricians, physiotherapists, and general practitioners.

#### Contributor Bio

**Anne Lomax**, Senior Lecturer, School of Health, University of Central Lancashire, UK. She is a Registered Nurse and Registered Midwife. Her specialist interest is focused on advanced neonatal nurse practice and standards and competencies in newborn examination.

Wiley-Blackwell  
9781119645597  
Ship Date: 03/12/2020  
\$39.95/£29.99 UK/€33.90 EU  
Discount Code: P  
Paperback

300 Pages



Wiley-Blackwell  
9781119584162  
Ship Date: 03/12/2020  
\$50.00/£34.99 UK/€39.60 EU  
Discount Code: P  
Paperback

224 Pages

## Essential Guide to Acute Care (3rd Edition)

Nicola Cooper, Paul Cramp, Kirsty Forrest, Rakesh ...

### Summary

***What you really need to know, but no-one told you.***

The best-selling *Essential Guide to Acute Care* contains everything you need to know about acute care that you can't find in a standard textbook. The third edition has been extensively revised and updated, presenting new oxygen guidelines, updated evidence and practice around sepsis, fluid balance and volume resuscitation, acute kidney injury, perioperative care, and much more.

The third edition retains the accessible style and comprehensive coverage that has made *Essential Guide to Acute Care* essential reading for those who look after acutely ill adults. Throughout the book, 'mini-tutorials' expand on the latest thinking or controversies, and there are practical case histories to reinforce learning at the end of each chapter. The chapters are designed to be read by individuals or used for teaching material in tutorials.

This new edition of *Essential Guide to Acute Care*:

- Provides up-to-date and practical guidance on the principles of acute care, written by experienced teachers and clinicians
- Offers a unique approach to the subject that focuses on understanding rather than lists and 'recipes'
- Explains the altered physiology that accompanies acute illness in adults
- Includes learning objectives, self-assessment questions, and illustrative examples related to clinical practice

*Essential Guide to Acute Care* is an indispensable volume for medical students and newly graduated doctors; doctors training in medicine, surgery, anaesthesia and emergency medicine; advanced clinical practitioners; nurses and allied health professionals working in acute and critical care; and teachers.

### Contributor Bio

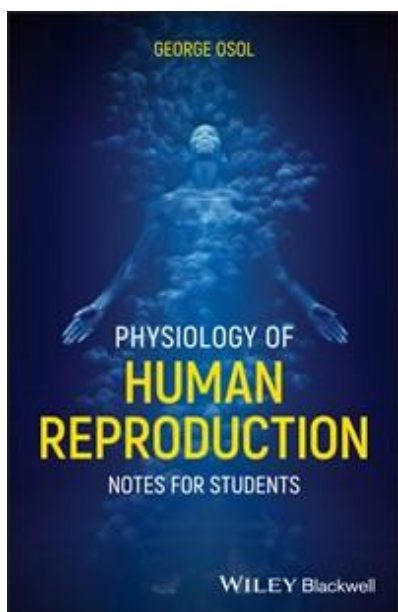
**Nicola Cooper**, Consultant Physician and Clinical Associate Professor in Medical Education, University Hospitals of Derby and Burton NHS Foundation Trust, UK.

**Paul Cramp**, Consultant in Anaesthesia and Intensive Care (retired), Bradford Teaching Hospitals NHS Trust, UK.

**Kirsty Forrest**, Dean of Medicine and Consultant Anaesthetist, Faculty of Health Sciences and Medicine, Bond University, Australia.

**Rakesh Patel**, Clinical Associate Professor and Honorary Consultant Nephrologist, Faculty of Medicine and Health Sciences, Nottingham University, UK.





## Physiology of Human Reproduction

### Notes for Students

George Osol

### Summary

*Physiology of Human Reproduction* provides students with a concise and accessible overview of more than 200 vital concepts, from the basic physiology of the male and the nonpregnant female, to fertilization, embryonic and fetal growth, labor, lactation, and more. Presented in a readable style, key terms are highlighted throughout the main text to enable students to quickly find a concept and read the appropriate information.

Whether reading the book from cover to cover, or using a focused approach to learn about specific concepts, readers will find this textbook to be an invaluable tool for increasing their understanding of human reproduction. An essential companion for standard Anatomy and Physiology courses, this student-friendly textbook:

- Covers physiology of the male, the physiology of the nonpregnant female, pregnancy and lactation, and age-related changes such as menopause
- Discusses pregnancy, birth control, and the reproductive system in childhood, adolescence, and puberty
- Describes the anatomy, physiology, and phases of the human sexual response
- Explains genetic conditions and disorders including androgen insensitivity syndrome and Kallman's syndrome

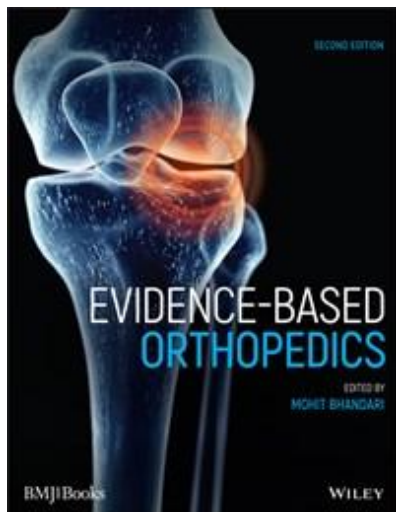
*Physiology of Human Reproduction* is a must-have learning guide for students in the medical and life sciences, including medicine, nursing, biology, physiology, and biomedicine, as well as those in courses covering human reproduction and pregnancy.

### Contributor Bio

**George Osol, Ph.D.**, is Professor of Obstetrics and Gynecology at the University of Vermont Larner College of Medicine; a University Scholar and an Established Investigator of the American Heart Association, specializing in vascular physiology and preeclampsia.

Wiley-Blackwell  
9781119609582  
Ship Date: 03/12/2020  
\$37.50/£28.99 UK/€32.80 EU  
Discount Code: P  
Paperback

120 Pages



## **Evidence-Based Orthopedics** (2nd Edition)

Mohit Bhandari

### **Summary**

Surgical orthopedic procedures such as hip replacements, arthroscopy or knee replacements are surrounded by pre- and post-operative complications, and there are varying different methods for the procedures themselves. This book brings together the best evidence for treatments as well as any complications. Not only does it cover the evidence base for orthopedic surgery, but also orthopedic conditions requiring medical treatment, and pediatric orthopedics. Using the approved EBM methodology, and edited by teachers of evidence-based medicine this EBM textbook is an essential resource for all orthopedic specialists and trainees.

Wiley-Blackwell  
 9781119414001  
 Ship Date: 28/01/2021  
 \$250.00/£199.00 UK/€224.90 EU  
 Discount Code: P  
 Hardcover

1216 Pages  
 Series: Evidence-Based Medicine

## **The Family Nurse Practitioner** (2nd Edition)

### **Clinical Case Studies**

Leslie Neal-Boylan

No Image  
Available

### **Summary**

*The Family Nurse Practitioner* provides essential guidance and information for understanding how to diagnose and manage typical (and some atypical) patient cases. With contributions from noted experts on the topic, this new edition contains updated cases to reflect today's patient-centered approach, and includes the most recent advances in patient care. From neonatal to geriatric, all the cases demonstrate real-life scenarios and present appropriate solutions on a case-by-case basis to reflect the nuance required in practice.

The revised edition emphasizes pharmacological management, with a new section on mental health care and additional cases on chronic conditions. Greater consideration is given to race, gender, ethnicity and their impact on management options.

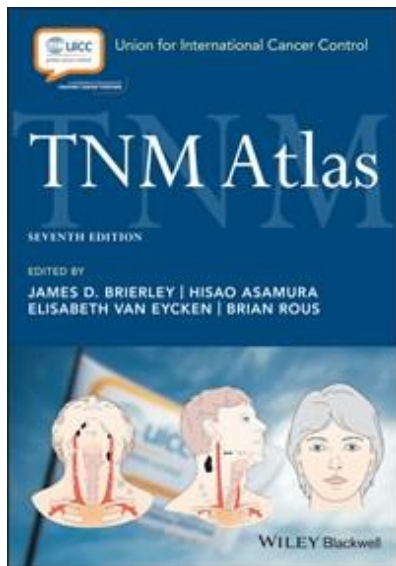
- Contains more than 70 case studies
- Offers new cases on pelvic pain, substance abuse, food allergies, celiac disease, child abuse, pre-conception planning, and dermatology
- Includes discussion questions to help develop understanding

Written for students and academics of nursing and nurse practitioners, *The Family Nurse Practitioner* is the ideal text for developing and expanding one's knowledge and comprehension of the diagnosis and management of patient care.

### **Contributor Bio**

**Leslie Neal-Boylan** is a Family Nurse Practitioner at Pentucket Medical Express Care in Andover, MA.

Wiley-Blackwell  
9781119603191  
Ship Date: 03/12/2020  
\$79.95/£49.99 UK/€56.50 EU  
Discount Code: P  
Paperback  
  
400 Pages  
Series: Case Studies in Nursing

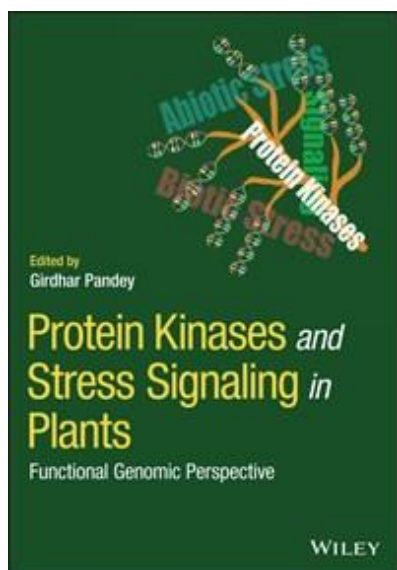


## TNM Atlas

Christian Wittekind, H. Asamura, Leslie H. Sobin

Wiley-Blackwell  
9781119263845  
Ship Date: 03/12/2020  
\$95.00/£74.99 UK/€84.80 EU  
Paperback

408 Pages  
Series: UICC



## Protein Kinases and Stress Signaling in Plants

### Functional Genomic Perspective

Girdhar K. Pandey

#### Summary

In the post-genomic era, one of the major challenges is investigation and understanding of multiple genes and gene families regulating a particular physiological and developmental aspect of plant life cycle. One of the important physiological processes is regulation of stress response, which leads to adaptation or adjustment in response to adverse stimuli. With the holistic understanding of the signaling pathways involving kinases, one gene family or multiple genes or gene families, plant biologists can lay a foundation for designing and generating future crops, which can withstand the higher degree of environmental stresses (especially abiotic stresses, which are the major cause of crop loss throughout the world) without losing crop yield and productivity.

In this proposed book, leading plant biologists in the field of stress mediated phosphorylation by kinases will detail the important tasks to elucidate aspects of stress signaling using geneomics and functional genomic approaches.

Wiley-Blackwell  
9781119541516  
\$215.00  
Hardcover

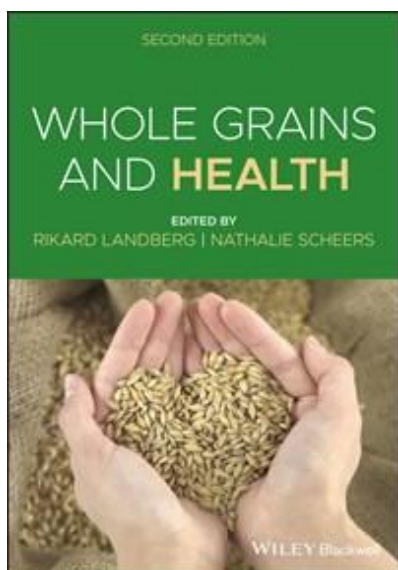
432 Pages

## Single Best Answer Questions for Dentistry

Prateek Biyani

No Image  
Available

Wiley-Blackwell  
9781119702351  
Ship Date: 10/12/2020  
\$39.95/£29.99 UK/€34.90 EU  
Discount Code: P  
Paperback  
160 Pages



Wiley-Blackwell  
 9781118939437  
 Ship Date: 10/12/2020  
 \$199.95/£130.00 UK/€146.90 EU  
 Discount Code: P  
 Hardcover

400 Pages

## Whole Grains and Health (2nd Edition)

Rikard Landberg, Afaf Kamal-Eldin

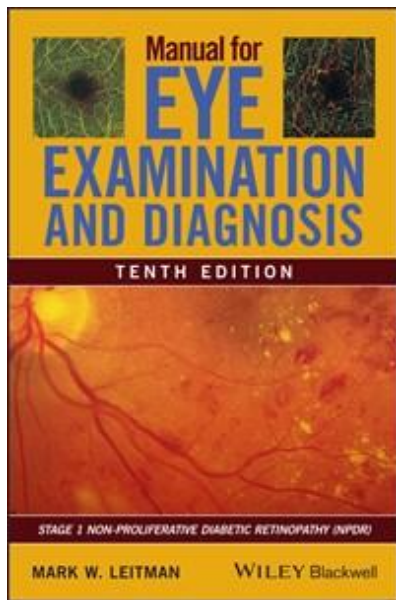
### Summary

Much research has been published in this area since the first book appeared and this will be reflected in the six brand new chapters of the revised edition. New coverage includes:

- Summaries of the findings of several large research projects on the health effects of whole grain in Europe and the US
- Findings of a large number of epidemiological studies in different populations on the associations between whole grain consumption and risk of developing chronic diseases
- The application of metabolomics to address health effects and to find new biomarkers of both dietary exposure and health effects related to the diet
- The use of genomics in several large scale intervention studies on how gene-expression profiles are changes in response to whole grain intake
- Newly identified bioactive compounds in whole grains and whole grain fractions
- The new EU regulations on health claims that affect whole grain food products

This new edition will be restructured around five sections:

1. Wholegrain basics
2. Evidence for disease prevention
3. Whole grains- mechanisms and effects on risk factors for chronic disease
4. Searching for new molecular mechanisms underlying health benefits of whole grains
5. Whole grains and the consumer



## Manual for Eye Examination and Diagnosis

Mark Leitman

Wiley-Blackwell  
9781119628583  
Ship Date: 10/12/2020  
\$70.00/£52.99 UK/€59.90 EU  
Paperback



## **Protocols for High-Risk Pregnancies**

### **An Evidence-Based Approach**

John T. Queenan, Catherine Y. Spong, Charles J. Lo...

No Image  
Available

Wiley-Blackwell  
9781119635260  
Ship Date: 10/12/2020  
\$130.00/£79.99 UK/€89.20 EU  
Paperback  
640 Pages

# **Surgical Management of Advanced Pelvic Cancers**

Desmond Winter, Michael E. Kelly

No Image  
Available

Wiley-Blackwell  
9781119518402  
Ship Date: 10/12/2020  
\$160.00/£125.00 UK/€141.30 EU  
Hardcover  
272 Pages

## **Gastrointestinal Pathology**

### **Correlative endoscopic and histologic assessment**

Gregory Y. Lauwers

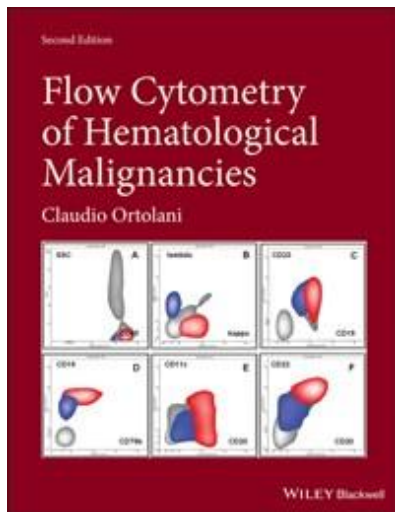
No Image  
Available

#### **Summary**

This book expertly bridges the gap between the pathologist interpreting patient biopsies and the gastroenterologist treating patients. It provides both pathologists and gastroenterologists with an affordable, well-illustrated guide to aid diagnostic and clinical decision making.

Wiley-Blackwell  
9780470658369  
Ship Date: 17/12/2020  
\$200.00/£124.99 UK/€141.30 EU  
Discount Code: P  
Hardcover

368 Pages



## Flow Cytometry of Hematological Malignancies

Claudio Ortolani

Wiley-Blackwell  
9781119611257  
Ship Date: 14/01/2021  
\$200.00/£152.00 UK/€171.90 EU  
Hardcover

352 Pages



## The Drug Recognition Guide (2nd Edition)

Mark Currihan

### Summary

*The Drug Recognition Guide* introduces an innovative method for recognising and categorising medications, enabling readers to easily identify the type and use of a generic drug by visually deconstructing its name. Through its creative use of colour-coded drug prefixes and suffixes, this pocket-sized guide makes generic drug names distinctive, logical, and easy to pronounce and remember. More than 700 drugs from over 200 different drug categories are catalogued and colour-highlighted—helping you understand what underlies a generic drug name.

Organised by class and use, the book's ten chapters cover a comprehensive range of drugs, including chemotherapy and immunosuppressants, drugs that affect the cardiovascular and respiratory systems, drugs used to manage pain, treat infectious diseases, and many others. Each entry briefly summarises a particular class of drugs, describes the intended use of drugs within the class, and breaks down the "name stems" of individual drugs to reveal useful information and illustrate connections between chemically and therapeutically related medicines.

Presenting an original, easy-to-use approach to the complex subject of drug classification, this invaluable learning aid:

- Provides a thorough yet accessible way for students and practitioners to increase their understanding of medications and their application
- Helps students to clearly read and pronounce even the most difficult generic drug names
- Highlights the letters in generic drug names to enable students to recognise drugs immediately
- Explains who assigns a generic drug name and what the name represents
- Includes an introduction to generic and proprietary drug names and design motifs

*The Drug Recognition Guide* is essential reading for nursing and medical students, pharmacy students and technicians, as well as nurse practitioners and trainee and junior doctors.

### Contributor Bio

**Mark Currihan** is Senior Staff Nurse, Medication Competency Assessor, and former Practice Development Leader at Wirral University Teaching Hospital, UK. He is a regular guest lecturer on medicines management at the University of Liverpool for the Bachelor of Nursing Programme, and has played an important part in advancing nursing curriculum development around safe medicine administration to meet the Nursing and Midwifery Council's Standards of Proficiency for Registered Nurses.

Wiley-Blackwell  
9781119689805  
Ship Date: 17/12/2020  
\$32.50/£24.99 UK/€28.00 EU  
Discount Code: P  
Paperback

160 Pages

## Transfusion Medicine Paper

Jeffrey McCullough

No Image  
Available

Wiley-Blackwell  
9781119599531  
Ship Date: 04/02/2021  
\$125.00/£92.99 UK/€104.00 EU  
Paperback  
576 Pages

**Understanding Clinical Papers** (4th Edition)

David Bowers, Allan House, David Owens, Bridgette ...

No Image  
Available

**Summary**

*Understanding Clinical Papers* is a popular and well established introduction to reading clinical papers. It unravels the process of evidence-based practice, using real papers to illustrate how to understand and evaluate published research, and it goes on to provide explanations of important research-related topics.

Wiley-Blackwell  
9781119573166  
Ship Date: 17/12/2020  
\$55.00/£39.90 UK/€47.10 EU  
Paperback  
288 Pages



## Veterinary Ophthalmology Two-Volume Set (6th Edition)

Kirk N. Gelatt, Gil Ben-Shlomo, Brian C. Gilger, D...

### Summary

Offering the very latest in diagnostics and therapeutics, this book presents a fully updated and revised edition of the definitive reference to veterinary ophthalmology. Covering both basic sciences and clinical treatment, it is a state-of-the-art text that encompasses ophthalmology in all species, including dogs, cats, horses, large animals, and exotic animals. Featuring expanded coverage of ocular conditions in cats, horses, and birds—and featuring with nearly two thousand color photographs and illustrations—the book is a must for any practitioner treating eye disease. *Veterinary Ophthalmology, Sixth Edition* discusses all topics relevant to diagnosing, treating, and managing any disease related to the eye. The book also offers a companion website featuring video clips, and images from the book in PowerPoint, and contains the most comprehensive bibliographies found on the subject in any other text.

- Updates the gold-standard reference for veterinary ophthalmology
- Presents expanded coverage of feline, equine, and avian ophthalmology
- Incorporates new knowledge on diagnostics and therapeutics to provide a truly state-of-the-art text
- Provides 2,000 images to illustrate the concepts described
- Written by an international list of preeminent ophthalmologists
- Includes access to a companion website with video clips and the images for download in PowerPoint

*Veterinary Ophthalmology, Sixth Edition* is an essential purchase for veterinary ophthalmologists and any practitioner treating ophthalmic diseases.

### Contributor Bio

#### The Editor

**Kirk Gelatt, VMD, ACVO Diplomate Emeritus**, is Distinguished Professor of Comparative Ophthalmology, Emeritus at the College of Veterinary Medicine at the University of Florida in Gainesville, Florida, USA.

#### Associate Editors

**Gil Ben-Shlomo, DVM, PhD, ACVO Diplomate and ECVO Diplomate**, is an Associate Professor at the College of Veterinary Medicine at Cornell University in Ithaca, NY, USA.

**Brian Gilger, DVM, MS, ACVO Diplomate, ACT Diplomate**, is a Professor at the College of Veterinary Medicine at North Carolina State University in Raleigh, North Carolina, USA.

**Diane Hendrix, DVM, ACVO Diplomate**, is a Professor at the College of Veterinary Medicine at the University of Tennessee in Knoxville, Tennessee, USA.

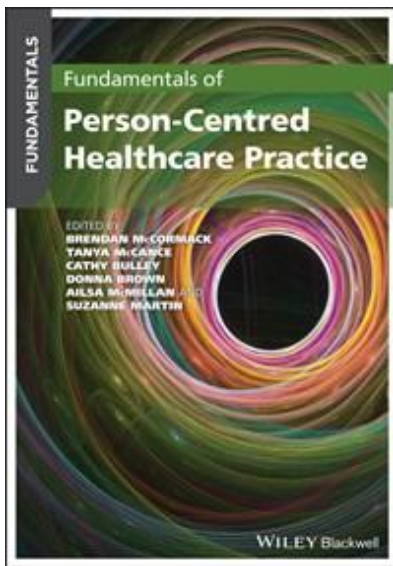
**Thomas Kern, DVM, ACVO Diplomate**, is an Associate Professor at the College of Veterinary Medicine at Cornell University in Ithaca, New York, USA.

**Caryn Plummer, DVM, ACVO Diplomate**, is an Associate Professor at the College of Veterinary Medicine at the University of Florida in Gainesville, Florida, USA.



Wiley-Blackwell  
9781119441830  
Ship Date: 07/12/2020  
\$399.99/£320.00 UK/€384.00 EU  
Discount Code: MX  
Hardcover

2544 Pages



## Fundamentals of Person-Centred Practice

### A Guide for Healthcare Students

Brendan McCormack, Tanya McCance, Cathy Bulley, Do...

### Summary

*Fundamentals of Person-Centred Healthcare Practice* presents evidence-based perspectives on a broad range of approaches to person-centred practice in healthcare. Featuring contributions from internationally recognised experts in the field, this valuable textbook helps students and staff across healthcare disciplines understand the essential concepts of person-centred practice in various health-related contexts. Using the Person-centred Practice Framework—an innovative theoretical model based on more than two decades of research and practice—students develop a strong understanding of the different components of person-centredness, their connections and interactions, and how they can be implemented to promote positive healthcare experiences for care providers, service-users, and families.

Recognising the dynamic and complex nature of person-centredness, the text emphasises the importance of a common language and a shared understanding of person-centred practice in all areas of healthcare, from hospital and social care systems, to mental health, learning disability, and rehabilitation services. This practical and insightful introduction to the subject:

- Provides engaging, student-friendly coverage of the central principles and practice of person-centredness within a multi-professional and interdisciplinary context
- Features cases and examples of person-centred practice in curricula worldwide
- Includes activities designed to support person-centred practitioner development
- Discusses the future of person-centred facilitation, learning and practice
- Offers real-world guidance on providing a holistic approach to developing person-centred relationships that facilitate meaningful connections with others

*Fundamentals of Person-Centred Healthcare Practice* is an indispensable resource for nursing and allied health professionals, and an important reference work for educators, facilitators, supervisors and healthcare practitioners.

### Contributor Bio

**Brendan McCormack** is Head of the Division of Nursing, Occupational Therapy and Art Therapies; Associate Director, Centre for Person-centred Practice Research, Queen Margaret University, Edinburgh, Scotland; and Honorary Nurse Consultant, Erskine Care, Scotland.

**Tanya McCance** is Mona Grey Professor of Nursing, Institute of Nursing and Health Research, Ulster University, Northern Ireland; Adjunct Professor, University of Wollongong, Australia; and Visiting Professor, Queen Margaret University, Edinburgh, Scotland.

**Cathy Bulley** is a Reader in the School of Health Sciences at Queen Margaret University, Edinburgh, Scotland; Co-Director of the Centre for Health, Activity and Rehabilitation Research (CHEARR); and Lead for the Accelerating Scholarship, Innovation and Research Engagement (DPPR-ASPIRE).

**Donna Brown** is a Lecturer of Nursing, Postgraduate Tutor for the Institute of Nursing and Health Research, and Course Director for BSc(Hons)/PGDip/MSc Developing Practice in Healthcare Programme, in the School of Nursing, Ulster University, Northern Ireland.

**Ailsa McMillan** is a Senior Lecturer of Nursing, Division of Nursing, Queen Margaret University, Edinburgh, Scotland.

Wiley-Blackwell  
9781119533085  
Ship Date: 24/12/2020  
\$37.50/£29.99 UK/€33.90 EU  
Discount Code: P  
Paperback

240 Pages  
Series: Fundamentals



## Clinical Cases in Paramedicine

Sam Willis, Ian Peate, Rod Hill

### Summary

*Clinical Cases in Paramedicine* provides students, educators, and early career paramedics with a diverse range of detailed case studies that realistically represent the conditions, scenarios, and challenges encountered in practice. Integrating evidence-based cases and expert insights from leading academics and practitioners, this engaging resource helps readers develop appropriate decision-making skills and apply theoretical concepts to practical situations. Organised by medical presentations and body systems, the text provides readers with a systematic framework that mirrors how paramedics assess cases in the real world.

Throughout the text, cases of varying levels of complexity are designed to meet the needs of Case-Based Learning (CBL) and Problem-Based Learning (PBL) curricula used in paramedic training programmes worldwide. Each chapter contains six case studies—introductory, intermediate, and advanced—and features interactive learning activities, discussion questions, practical tips, and authoritative guidance aligned to national and international best-practice standards. Case studies illustrate scenarios related to trauma, medical emergencies, obstetrics, respiratory and cardiac events, minor injuries, drug overdoses, and many others. This comprehensive resource:

- Features case studies of varying lengths and degrees of complexity to suit different readers, from student to professional
- Suitable for use in many international programmes
- Offers chapter introductions and summaries, practice questions, and additional online resources
- Contains clinical, legal, ethical, cultural, remote and rural case studies
- Includes a cumulative and comprehensive “Test Your Knowledge” concluding chapter

Those studying or working in paramedicine must keep pace with changes in the field using the latest evidence and expert opinion. *Clinical Cases in Paramedicine* is an essential volume for paramedic students and early-career professionals, as well as educators, lecturers, and trainers.

### Contributor Bio

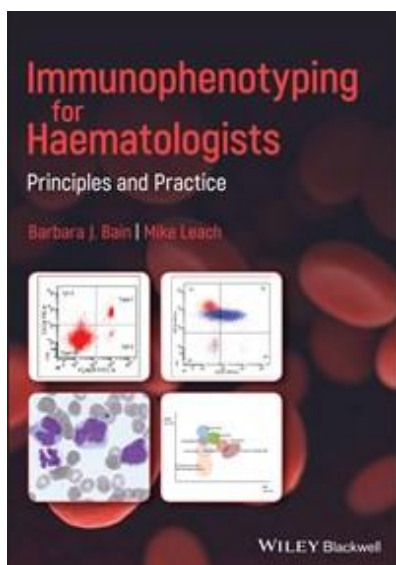
**Sam Willis** is a Senior Lecturer in Paramedicine at Charles Sturt University and makes contributions to the profession through his innovative teaching practices and through his publications. He holds a number of professional registrations including as a paramedic and a Teaching Fellow with the UK Higher Education Academy. He is currently undertaking a PhD in the field of Paramedic Education.

**Ian Peate, OBE FRCN** is Head of School, School of Health Studies, Gibraltar, Visiting Professor of Nursing, Northumbria University and St George's University of London, Visiting Senior Clinical Fellow, University of Hertfordshire, Editor-in-Chief of *the British Journal of Nursing* and Consultant Editor of *Journal of Paramedic Practice*.

**Rod Hill** is Professor of Physiology and Head of the School of Biomedical Sciences at Charles Sturt University. Rod has brought broad impact to Science as a Fellow of the American Association for the Advancement of Science. Rod leads the Charles Sturt paramedicine team which offered the first university programme for paramedicine in Australia in 1995, and is the leading Australian programme in both graduate and undergraduate level paramedicine.

Wiley-Blackwell  
9781119619253  
Ship Date: 24/12/2020  
\$50.00/£34.99 UK/€39.60 EU  
Discount Code: P  
Paperback

220 Pages



Wiley-Blackwell  
 9781119606116  
 Ship Date: 24/12/2020  
 \$125.00/£95.00 UK/€115.00 EU  
 Discount Code: P  
 Hardcover

128 Pages

## Immunophenotyping for Haematologists

### Principles and Practice

Barbara J. Bain, Mike Leach

### Summary

**Offers clear and concise instruction on running, reporting and interpreting immunophenotyping studies**

Written by two well-known haematology educators and experts on the topic, *Immunophenotyping for Haematologists* contains an introduction to running, reporting and interpreting immunophenotyping studies. The book offers a unique approach to the topic by putting the focus on clinical and laboratory haematologists who are not routinely involved in running and reporting on immunophenotyping studies.

Immunophenotyping using flow cytometry has become the method of choice in identifying and sorting cells within complex populations, for example, the analysis of immune or neoplastic cells in a blood sample. The text reviews the purpose and principles of immunophenotyping and includes an introduction and explanation of the principles and the role of immunophenotyping. The authors examine immunophenotypic characteristics of the disease groups commonly encountered and identify the features that differentiate malignant cells from normal cells. To enhance understanding, the book contains multiple choice and extended matching questions which integrates immunophenotyping with clinicopathological features and the results of other investigations to mimic everyday practice. This important book:

- Provides a concise introduction to running, reporting and interpreting immunophenotyping studies
- Contains a list of all the antibody specificities currently widely used in diagnosis and disease monitoring
- Presents an ideal reference for use in laboratories, including immunophenotyping laboratories
- Aids in the interpretation by covering immunophenotypic characteristics of commonly encountered disease groups
- Identifies the features that differentiate malignant cells from their normal counterparts

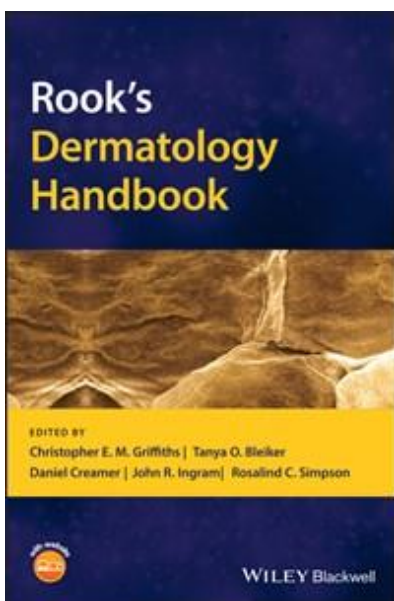
Written for haematologists working in both laboratory and clinical haematology, *Immunophenotyping for Haematologists* is a much-needed reference for understanding and interpreting immunophenotyping studies.

### Contributor Bio

**Professor Barbara J. Bain**, MB BS, FRACP, FRCPath, AM, is Professor of Diagnostic Haematology, St Mary's Hospital Campus, Imperial College Faculty of Medicine and Consultant Haematologist, St Mary's Hospital, London, UK.

**Mike Leach**, MB ChB, FRCP, FRCPath is Consultant Haematologist and Honorary Senior Lecturer, Haematology Laboratories and West of Scotland Cancer Centre, Gartnavel General Hospital, Glasgow, UK.





Wiley-Blackwell  
9781119428190  
Ship Date: 24/12/2020  
\$80.00/£59.00 UK/€66.70 EU  
Discount Code: P  
Paperback

1040 Pages

## Rook's Dermatology Handbook

Christopher M. Griffith, Tanya O. Bleiker, Daniel ...

### Summary

#### The reliable quick-reference guide to clinical dermatology

*Rook's Dermatology Handbook* condenses a wealth of clinical expertise into its accessible, user-friendly guide to the diagnosis and management of dermatological disorders.

#### The reliable quick-reference guide to clinical dermatology

*Rook's Dermatology Handbook* condenses a wealth of clinical expertise into its accessible, user-friendly guide to the diagnosis and management of dermatological disorders. With its contents carefully selected from the much-respected *Rook's Textbook of Dermatology*, this invaluable resource combines precise explanations with visual aids and a concise, quick-reference format to create an everyday tool for practitioners and students alike. This innovative new text:

- Provides quick answers to clinical questions in one concise and practical volume
- Collates and condenses selections from the acclaimed *Rook's Textbook of Dermatology*
- Features helpful illustrations that allow visualization of the clinical features of dermatological conditions
- Highlights essential information with easy-to-navigate tables, charts, and algorithms
- Includes investigations and management sections to help provide the best possible patient care
- Offers access to a complementary companion website

*Rook's Textbook of Dermatology* has been the trusted companion of dermatologists the world over for four decades. *Rook's Dermatology Handbook* builds upon this reputation by making the clinical practice of dermatology more accessible and immediate than ever before.

#### The reliable quick-reference guide to clinical dermatology

*Rook's Dermatology Handbook* condenses a wealth of clinical expertise into its accessible, user-friendly guide to the diagnosis and management of dermatological disorders. With its contents carefully selected from the much-respected *Rook's Textbook of Dermatology*, this invaluable resource combines precise explanations with visual aids and a concise, quick-reference format to create an everyday tool for practitioners and students alike. This innovative new text:

- Provides quick answers to clinical questions in one concise and practical volume
- Collates and condenses selections from the acclaimed *Rook's Textbook of Dermatology*
- Features helpful illustrations that allow visualization of the clinical features of dermatological conditions
- Highlights essential information with easy-to-navigate tables, charts, and algorithms
- Includes investigations and management sections to help provide the best possible patient care
- Offers access to a complementary companion website

## Outpatient Urology and Urogynecology

Abhay Rane, Ajay Rane

No Image  
Available

Wiley-Blackwell  
9781119052296  
Ship Date: 24/12/2020  
\$130.00/£99.99 UK/€113.00 EU  
Hardcover  
0 Pages

## Paediatric Handbook (10th Edition)

Kate Harding, Daniel S Mason, Daryl Efron

No Image  
Available

### Summary

The Royal Children's Hospital Melbourne *Paediatric Handbook* is a trusted guide to managing common and serious childhood illnesses and disorders. This bestselling resource provides students and practitioners across medical, nursing, and allied health fields with authoritative and up-to-date information on a comprehensive range of paediatric topics, enabling readers to make the appropriate decisions at the point of care.

Now in its tenth edition, the Handbook features clear illustrations and evidence-based diagnostic and management algorithms throughout, covering resuscitation and medical emergencies, prescribing and therapeutics, medicine, surgery, procedures, and much more.

- Contains accessible summaries of common and serious paediatric illnesses and disorders
- Aligns with latest clinical practice guidelines
- Features numerous full-colour photos, illustrations, diagrams, and clinical images
- Provides practical guidance on professional ethics and communication in paediatric consultations
- Includes updated information on refugee health and trans and gender diverse health

*Paediatric Handbook* is an invaluable reference for medical practitioners, nurses and allied health professionals, as well as students and trainees.

### Contributor Bio

**Dr Kate Harding**, The Royal Children's Hospital Melbourne, Australia.

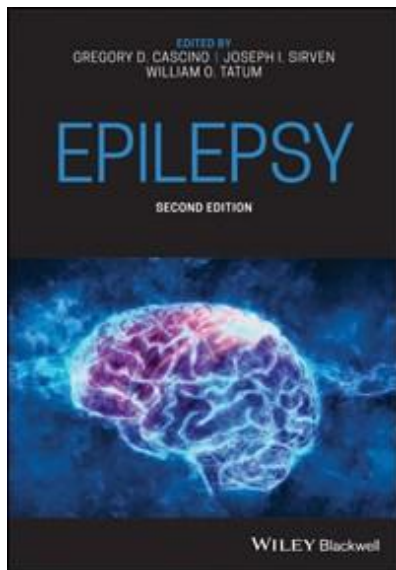
**Dr Daniel Mason**, The Royal Children's Hospital Melbourne, Australia.

**Associate Professor Daryl Efron**, The Royal Children's Hospital Melbourne, Australia.

Wiley-Blackwell  
9781119647072  
Ship Date: 24/12/2020  
\$50.00/£36.99 UK/€41.90 EU  
Discount Code: P  
Paperback

560 Pages





## **Epilepsy** (2nd Edition)

Gregory D. Cascino, Joseph I. Sirven, William Tatu...

### **Summary**

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

Wiley-Blackwell  
 9781119431824  
 Ship Date: 28/01/2021  
 \$200.00/£159.00 UK/€179.70 EU  
 Discount Code: P  
 Hardcover  
 326 Pages

# Fundamentals of Pharmacology

## For Nursing & Healthcare Students

Ian Peate, Barry Hill

No Image  
Available

### Summary

All registered nurses must have a thorough understanding and a strong knowledge of pharmacology, medicines administration, and the ability to recognise and react to the effects of medicines. *Fundamentals of Pharmacology* helps nursing and healthcare students develop the skills and confidence required to apply the fundamental principles of pharmacology and to offer safe, competent and compassionate care. Concentrating on the medicines that students are most likely to encounter in real-world practice, this textbook provides concise coverage of pharmacology, essential medicines management principles, legal and ethical issues, drug formulations, analgesics, immunisations, and much more.

Clinically focused chapters feature defined learning outcomes, multiple-choice questions, practical examples, and full-colour illustrations to aid readers' comprehension of the complexities of pharmacology and care provision. The book utilises a straightforward, student-friendly approach to present 'must-have' information, with contributions from experienced clinicians and academics.

- Describes how to use pharmaceutical and prescribing reference guides
- Stresses the role and importance of compassionate care throughout
- Contains a full range of pedagogical tools which enhance learning and recall
- Aligns with current NMC Standards and Proficiencies for Registered Nurses and Nursing Associates
- Supplemented and supported by a wealth of online extras and resources

*Fundamentals of Pharmacology* is essential reading for all nursing students, trainee nursing associates, post-registration nurses taking 'nurse prescribing' or 'non-medical prescribing' modules, and newly qualified nurses and nursing associates looking to better understand pharmacology.

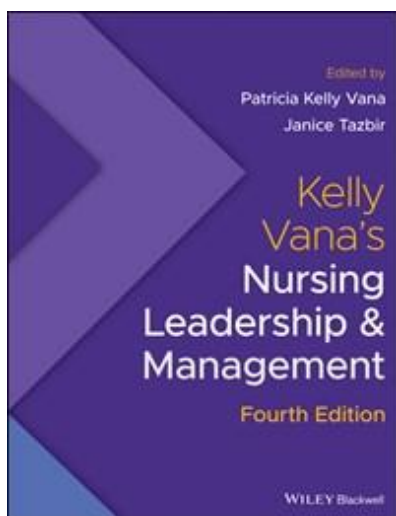
### Contributor Bio

**Ian Peate**, OBE FRCN is Visiting Professor of Nursing, Visiting Senior Clinical Fellow, Editor-in-Chief of the *British Journal of Nursing*, and Head of School, School of Health Studies, Gibraltar.

**Barry Hill** M.Sc. Advanced Practitioner., PGCAP, PGCE, B.Sc. (Hons) Intensive Care Nursing, DipHE Registered Nurse (Adult), O.A. Dip, RN & RNT (NMC), Fellow of the HEA. Director of Employability for Nursing, Midwifery and Health; Programme Leader for BSc (Hons) Adult Nursing at Northumbria University, Faculty of Health and Life Sciences, Department of Nursing, Midwifery and Health, and Clinical Series Editor and board member for the British Journal of Nursing (BJN).

Wiley-Blackwell  
9781119594666  
Ship Date: 31/12/2020  
\$45.00/£31.99 UK/€36.20 EU  
Discount Code: P  
Paperback

384 Pages  
Series: Fundamentals



Wiley-Blackwell  
9781119596615  
Ship Date: 31/12/2020  
\$125.00/£93.99 UK/€106.20 EU  
Discount Code: P  
Paperback

944 Pages

## Kelly's Nursing Leadership and Management (4th Edition)

Patricia J. Kelly, Janice Tazbir

### Summary

*Nursing Leadership & Management, Fourth Edition* provides a comprehensive look at the knowledge and skills required to lead and manage at every level of nursing, emphasizing the crucial role nurses play in patient safety and the delivery of quality health care. Presented in three units, readers are introduced to a conceptual framework that highlights nursing leadership and management responsibilities for patient-centered care delivery to the patient, to the community, to the agency, and to the self.

This valuable new edition:

- Includes new and up-to-date information from national and state health care and nursing organizations, as well as new chapters on the historical context of nursing leadership and management and the organization of patient care in high reliability health care organizations
- Explores each of the six Quality and Safety in Nursing (QSEN) competencies: Patient-Centered Care, Teamwork and Collaboration, Evidence-based Practice (EBP), Quality Improvement (QI), Safety, and Informatics
- Provides review questions for all chapters to help students prepare for course exams and NCLEX state board exams
- Features contributions from experts in the field, with perspectives from bedside nurses, faculty, directors of nursing, nursing historians, physicians, lawyers, psychologists and more

*Nursing Leadership & Management, Fourth Edition* provides a strong foundation for evidence-based, high-quality health care for undergraduate nursing students, working nurses, managers, educators, and clinical specialists.

### Contributor Bio

**Patricia Kelly** is Professor Emerita, Purdue University Northwest, Hammond, Indiana, where she served as Program Coordinator for an Undergraduate Nursing Program. She has taught Quality Improvement conferences for The Joint Commission and was the Director of Quality Improvement at the University of Chicago Medicine. Pat currently travels nationally teaching three-day NCLEX-RN reviews for Evolve Testing & Remediation/Health Education Systems, Inc. (HESI), Houston, Texas.

**Janice Tazbir** is a nurse at the University of Chicago Medicine in critical care and has been for 32 years. She consults for Anderson Continuing Education, teaches HESI Live Reviews and was a Professor of Nursing at Purdue University Northwest in Hammond, Indiana, for 22 years, where she served in many roles including Undergraduate Coordinator and the founding Director of The Center for Instructional Excellence.



## Clinical Pharmacology and Therapeutics (10th Edition)

Gerard A. McKay, Matthew R. Walters, Neil Ritchie

### Summary

A must-have companion for medical students and junior doctors for almost four decades, *Lecture Notes: Clinical Pharmacology and Therapeutics* provides concise yet thorough coverage of the principles of clinical pharmacology, the major characteristics of therapeutics, and the practical aspects of prescribing drugs to alleviate symptoms and to treat disease.

Whether you are preparing for examinations or prescribing to patients, the tenth edition offers readers current and authoritative insight into the essential practical and clinical knowledge. Logically organised chapters allow for rapid location of key information, while examples of commonly encountered scenarios illustrate how and when to use drugs in clinical situations. Throughout the text, practice questions, prescribing guidelines, and self-assessment tests clarify and reinforce the principles that inform appropriate clinical decision-making.

- Presents an up-to-date review of drug use across all major clinical disciplines
- Offers a timely overview of clinical drug trials and development
- Provides new clinical scenarios to relate chapter content to real-life application
- Contains colour-coded “Key Points” and “Prescribing Points” to highlight important information
- Includes chapter introductions and summaries, and numerous figures, tables, and colour illustrations

*Lecture Notes: Clinical Pharmacology and Therapeutics, Tenth Edition*, is an essential resource for medical students, junior doctors, and other prescribers looking for an up-to-date reference on pharmacological principles, prescribing, and therapeutics.

### Contributor Bio

**Gerard A. McKay** is Consultant Physician, Glasgow Royal Infirmary, Honorary Clinical Associate Professor, University of Glasgow, and Visiting Professor, University of Strathclyde, UK.

**Matthew R. Walters** is Head of the School of Medicine, Dentistry & Nursing and Professor of Clinical Pharmacology, University of Glasgow, UK.

**Neil D. Ritchie** is Honorary Senior Lecturer, School of Medicine, Dentistry & Nursing, University of Glasgow, UK.

Wiley-Blackwell  
9781119599951  
Ship Date: 31/12/2020  
\$39.95/£30.99 UK/€35.10 EU  
Discount Code: P  
Paperback

320 Pages  
Series: Lecture Notes

# Nursing Care of Children and Young People with Long Term Conditions (2nd Edition)

Mandy Brimble, Peter McNee

No Image  
Available

## Summary

The second edition of *Nursing Care of Children and Young People with Long Term Conditions* remains the only nursing-specific text on the care of paediatric patients with chronic illness. Written to meet the needs of nursing students and professionals alike, this comprehensive volume provides authoritative and up-to-date information on the context, theory, and practice of delivering holistic care to children and families in a range of health and social care settings.

Contributions from a team of experienced academics, educators, and practitioners offer valuable insight into the impact of chronic illness on children and parents, the practical implications of meeting their physical, psychological, and social needs, empowering them to be 'experts' in their care, and many more vital aspects of long-term paediatric care. This edition features new and revised content reflecting contemporary guidelines and evidence-based practice, including updated clinical case studies and a new chapter examining the impact of having a sibling with a long-term condition. Emphasising a multi-disciplinary approach to managing chronic illness, this important resource:

- Provides numerous case studies and activities illustrating the application of theoretical principles and current evidence in nursing practice
- Investigates the genetic basis of chronic illness and the differing onsets of long-term conditions
- Discusses current political, economic, and social policies that are influencing healthcare for children and bringing challenges to managers and practitioners
- Examines both classic and contemporary theories of grief, loss, coping, and adaptation
- Explores ethical, legal, and professional aspects of nursing children and young people with chronic illness
- Addresses evolving nursing roles, the importance of acute emergency care, and the planning and delivery of effective transition from child to adult services

*Nursing Care of Children and Young People with Long Term Conditions* is required reading for student and registered children's nurses, as well as for practitioners in related health and social care disciplines.

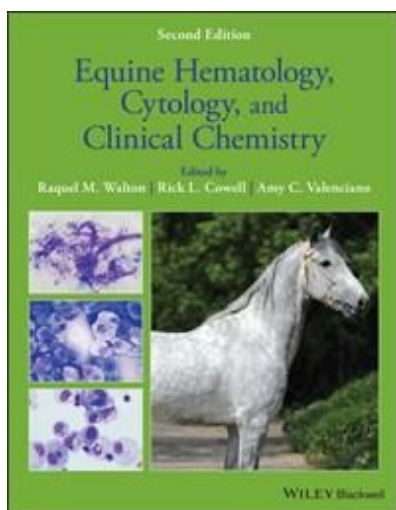
## Contributor Bio

**Mandy Brimble**, Senior Lecturer, Children and Young People's Nursing, School of Healthcare Sciences, Cardiff University, UK. She has worked as a Children's Nurse in general medicine and day surgery, and as the research and education lead in a children's hospice.

**Peter McNee**, Senior Lecturer, Children and Young People's Nursing, School of Healthcare Sciences, Cardiff University, UK. His main areas of teaching include the acquisition of clinical skills, pediatric critical care, and acute clinical care.

Wiley-Blackwell  
9781119653110  
\$65.00  
Paperback

308 Pages



Wiley-Blackwell  
 9781119500247  
 Ship Date: 17/11/2020  
 \$199.99/£154.00 UK/€171.00 EU  
 Discount Code: MX  
 Hardcover

416 Pages

## Equine Hematology, Cytology, and Clinical Chemistry (2nd Edition)

Raquel M. Walton, Rick Cowell, Amy Valenciano

### Summary

The all-new *Equine Hematology, Cytology, and Clinical Chemistry* draws on hematology and clinical chemistry information featured in the first edition of *Equine Clinical Pathology* and adds valuable cytopathology material from *Diagnostic Cytology and Hematology of the Horse*, making it a truly definitive reference to clinical pathology in equids. Thoroughly updated and expanded throughout, this *Second Edition* offers more images, more information, and new knowledge for previous chapters and entirely new chapters on bone marrow evaluation and cytopathology.

Designed to present clear, concise, and clinically relevant information, the book is logically organized for easy reference. Numerous figures, tables and images support the text, together with summarized information for ease of use.

- Offers a focus on clinical pathology in the horse, with in-depth information on hematology, clinical chemistry, and cytopathology in equids
- Presents equine disease from a systems-based, clinicopathological perspective
- Features hundreds of high-quality images
- Includes contributions from veterinary specialists with expert knowledge of clinical pathology

A must-have purchase for anyone using hematology, clinical chemistry, and cytology in equine patients, *Equine Hematology, Cytology, and Clinical Chemistry, 2nd Edition* is a valuable resource for equine practitioners, clinical pathologists and residents, and veterinary students.

### Contributor Bio

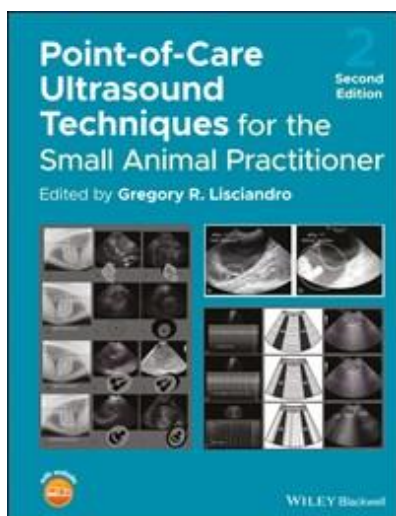
#### The editors

**Raquel M. Walton, VMD, MS, PhD, DACVP (Clinical Pathology)** is a Clinical Pathologist at IDEXX Laboratories in the Center for Animal Referral and Emergency Services in Langhorne, Pennsylvania, USA.

**Rick Cowell, DVM, MS, DACVP (Clinical Pathology)**, is a Clinical Pathologist at IDEXX Laboratories in Stillwater, Oklahoma, USA.

**Amy Valenciano, DVM, MS, DACVP (Clinical Pathology)**, is a Clinical Pathologist at IDEXX Laboratories in Dallas, Texas, USA.





Wiley-Blackwell  
 9781119460985  
 Ship Date: 22/11/2020  
 \$179.99/£137.00 UK/€153.90 EU  
 Discount Code: MX  
 Hardcover

464 Pages

## Point-of-Care Ultrasound Techniques for the Small Animal Practitioner (2nd Edition)

Gregory R. Lisciandro

### Summary

This book offers a thorough revision and update to the first landmark book that presented a standardized approach to focused point-of-care ultrasound exams of the abdomen, thorax, musculoskeletal and eye in veterinary practice. Now incorporating new applications for focused ultrasound exams and additional species, this Second Edition continues to be a state-of-the-art reference for using abbreviated ultrasound exams in clinical practice. A companion website features supplementary video clips of these point-of-care techniques depicting actual ultrasound exams for comparison and comprehension.

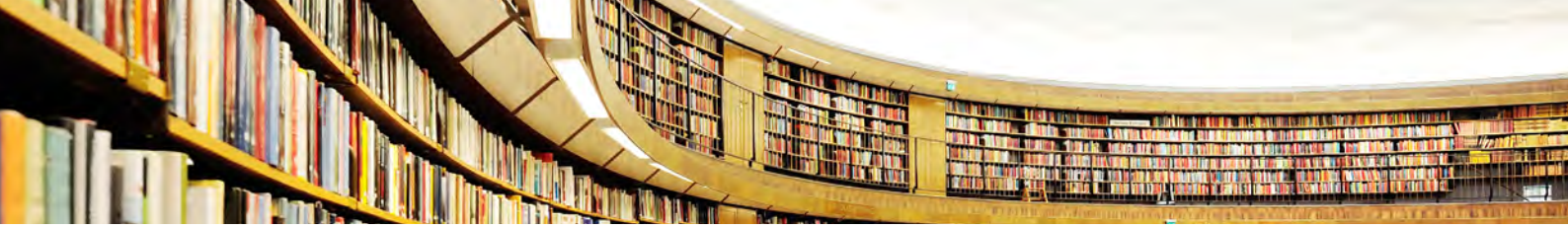
New chapters in *Point-of-Care Ultrasound Techniques for the Small Animal Practitioner, Second Edition* cover ultrasound-guided nerve blocks, musculoskeletal, brain imaging, and applications of focused ultrasound techniques in cats, exotics and marine mammals—making it an essential purchase for veterinarians wanting to incorporate point-of-care ultrasound techniques into their veterinary practices.

- Presents a standardized approach to point-of-care ultrasound as an extension of the physical exam, including trauma, non-trauma, and monitoring applications
- Includes coverage of new techniques for focused ultrasound exams, including lung, anesthesia and ultrasound guided nerve blocks, transcranial brain imaging, musculoskeletal, volume status evaluation, and rapid assessment for treatable forms of shock
- Adds cats, exotic and wildlife mammals, and marine mammals to the existing canine coverage
- Emphasizes the integration of point-of-care ultrasound techniques for optimizing patient care and accurate patient assessment
- Offers access to a companion website with supplementary video clips showing many clinically relevant didactic examples

The second edition of *Point-of-Care Ultrasound Techniques for the Small Animal Practitioner* is an excellent resource for veterinary practitioners, ranging from the general practitioner to nearly all clinical specialists, including internal medicine, oncology, cardiology, emergency and critical care, anesthesiology, ophthalmology, exotics, and zoo medicine specialists, and veterinary students.

### Contributor Bio

**Gregory R. Lisciandro**, DVM, Dipl. ABVP, Dipl. ACVECC, is a consultant with Hill Country Veterinary Specialists and CEO of FASTVet.com in Spicewood, Texas, USA.



# Science







## Principles of Virology (5th Edition)

### Multi-Volume

Jane Flint, Vincent R. Racaniello, Glenn F. Rall, ...

### Summary

*Principles of Virology*, the leading virology textbook in use, is an extremely valuable and highly informative presentation of virology at the interface of modern cell biology and immunology. This text utilizes a uniquely rational approach by highlighting common principles and processes across all viruses. Using a set of representative viruses to illustrate the breadth of viral complexity, students are able to understand viral reproduction and pathogenesis and are equipped with the necessary tools for future encounters with new or understudied viruses.

This fifth edition was updated to keep pace with the ever-changing field of virology. In addition to the beloved full-color illustrations, video interviews with leading scientists, movies, and links to exciting blogposts on relevant topics, this edition includes study questions and active learning puzzles in each chapter, as well as short descriptions regarding the key messages of references of special interest.

*Volume I: Molecular Biology* focuses on the molecular processes of viral reproduction, from entry through release. *Volume II: Pathogenesis and Control* addresses the interplay between viruses and their host organisms, on both the micro- and macroscale, including chapters on public health, the immune response, vaccines and other antiviral strategies, viral evolution, and a brand new chapter on the therapeutic uses of viruses. These two volumes can be used for separate courses or together in a single course. Each includes a unique appendix, glossary, and links to internet resources.

*Principles of Virology, Fifth Edition*, is ideal for teaching the strategies by which all viruses reproduce, spread within a host, and are maintained within populations. This edition carefully reflects the results of extensive vetting and feedback received from course instructors and students, making this renowned textbook even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases.

### Contributor Bio

Jane Flint is Professor Emerita of Molecular Biology at Princeton University. Dr. Flint's research focused on investigation of the mechanisms by which viral gene products modulate host pathways and antiviral defenses to allow efficient reproduction in normal human cells of adenoviruses, viruses that are used in such therapeutic applications as gene transfer and cancer treatment.

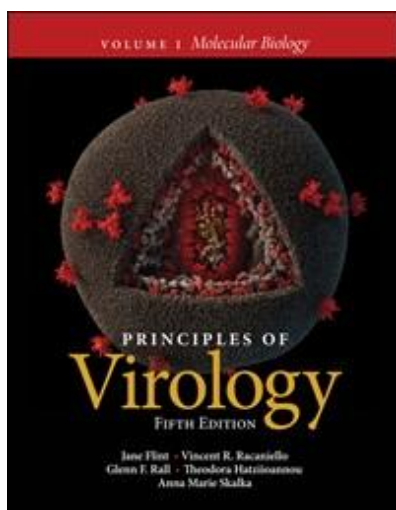
Vincent R. Racaniello is Higgins Professor of Microbiology & Immunology at Columbia University Vagelos College of Physicians & Surgeons. Dr. Racaniello has been studying viruses for over 40 years, including polio- virus, rhinovirus, enteroviruses, hepatitis C virus, and Zika virus. He blogs about virus-es at [virology.ws](http://virology.ws) and is host of This Week in Virology.

Glenn F. Rall is a Professor and the Chief Academic Officer at the Fox Chase Cancer Center, and is an Adjunct Professor in the Microbiology and Immunology departments at the University of Pennsylvania, as well as Thomas Jefferson, Drexel, and Temple Universities. Dr. Rall studies viral infections of the brain and the immune responses to those infections, with the goal of defining how viruses contribute to disease.

Theodora Hatzigeorgiou is a Research Associate Professor at Rockefeller University and

Wiley-Blackwell  
9781683670322  
Ship Date: 07/09/2020  
\$180.00/£137.00 UK/€153.90 EU  
Discount Code: P  
Paperback

1136 Pages  
Series: ASM Books



## Principles of Virology, Volume 1 (5th Edition)

### Molecular Biology

Jane Flint, Vincent R. Racaniello, Glenn F. Rall, ...

### Summary

*Principles of Virology*, the leading virology textbook in use, is an extremely valuable and highly informative presentation of virology at the interface of modern cell biology and immunology. This text utilizes a uniquely rational approach by highlighting common principles and processes across all viruses. Using a set of representative viruses to illustrate the breadth of viral complexity, students are able to understand viral reproduction and pathogenesis and are equipped with the necessary tools for future encounters with new or understudied viruses.

This fifth edition was updated to keep pace with the ever-changing field of virology. In addition to the beloved full-color illustrations, video interviews with leading scientists, movies, and links to exciting blogposts on relevant topics, this edition includes study questions and active learning puzzles in each chapter, as well as short descriptions regarding the key messages of references of special interest.

*Volume I: Molecular Biology* focuses on the molecular processes of viral reproduction, from entry through release. *Volume II: Pathogenesis and Control* addresses the interplay between viruses and their host organisms, on both the micro- and macroscale, including chapters on public health, the immune response, vaccines and other antiviral strategies, viral evolution, and a brand new chapter on the therapeutic uses of viruses. These two volumes can be used for separate courses or together in a single course. Each includes a unique appendix, glossary, and links to internet resources.

*Principles of Virology, Fifth Edition*, is ideal for teaching the strategies by which all viruses reproduce, spread within a host, and are maintained within populations. This edition carefully reflects the results of extensive vetting and feedback received from course instructors and students, making this renowned textbook even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases.

### Contributor Bio

Jane Flint is Professor Emerita of Molecular Biology at Princeton University. Dr. Flint's research focused on investigation of the mechanisms by which viral gene products modulate host pathways and antiviral defenses to allow efficient reproduction in normal human cells of adenoviruses, viruses that are used in such therapeutic applications as gene transfer and cancer treatment.

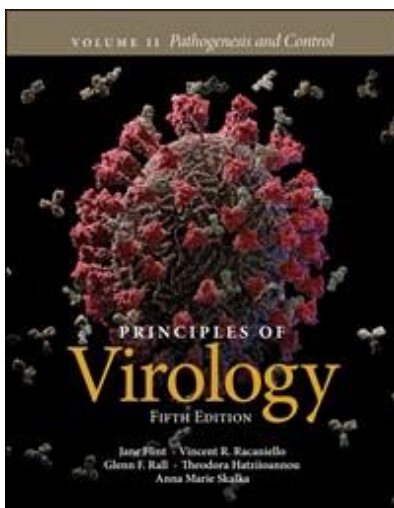
Vincent R. Racaniello is Higgins Professor of Microbiology & Immunology at Columbia University Vagelos College of Physicians & Surgeons. Dr. Racaniello has been studying viruses for over 40 years, including polio- virus, rhinovirus, enteroviruses, hepatitis C virus, and Zika virus. He blogs about virus-es at [virology.ws](http://virology.ws) and is host of This Week in Virology.

Glenn F. Rall is a Professor and the Chief Academic Officer at the Fox Chase Cancer Center, and is an Adjunct Professor in the Microbiology and Immunology departments at the University of Pennsylvania, as well as Thomas Jefferson, Drexel, and Temple Universities. Dr. Rall studies viral infections of the brain and the immune responses to those infections, with the goal of defining how viruses contribute to disease.

Theodora Hatzigeorgiou is a Research Associate Professor at Rockefeller University and

Wiley-Blackwell  
9781683672845  
Ship Date: 07/09/2020  
\$100.00/£75.80 UK/€85.50 EU  
Discount Code: P  
Paperback

608 Pages



## Principles of Virology, Volume 2 (5th Edition) Pathogenesis and Control

S. Jane Flint, Vincent R. Racaniello, Glenn F. Ral...

### Summary

*Principles of Virology*, the leading virology textbook in use, is an extremely valuable and highly informative presentation of virology at the interface of modern cell biology and immunology. This text utilizes a uniquely rational approach by highlighting common principles and processes across all viruses. Using a set of representative viruses to illustrate the breadth of viral complexity, students are able to understand viral reproduction and pathogenesis and are equipped with the necessary tools for future encounters with new or understudied viruses.

This fifth edition was updated to keep pace with the ever-changing field of virology. In addition to the beloved full-color illustrations, video interviews with leading scientists, movies, and links to exciting blogposts on relevant topics, this edition includes study questions and active learning puzzles in each chapter, as well as short descriptions regarding the key messages of references of special interest.

*Volume I: Molecular Biology* focuses on the molecular processes of viral reproduction, from entry through release. *Volume II: Pathogenesis and Control* addresses the interplay between viruses and their host organisms, on both the micro- and macroscale, including chapters on public health, the immune response, vaccines and other antiviral strategies, viral evolution, and a brand new chapter on the therapeutic uses of viruses. These two volumes can be used for separate courses or together in a single course. Each includes a unique appendix, glossary, and links to internet resources.

*Principles of Virology, Fifth Edition*, is ideal for teaching the strategies by which all viruses reproduce, spread within a host, and are maintained within populations. This edition carefully reflects the results of extensive vetting and feedback received from course instructors and students, making this renowned textbook even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases.

### Contributor Bio

Jane Flint is Professor Emerita of Molecular Biology at Princeton University. Dr. Flint's research focused on investigation of the mechanisms by which viral gene products modulate host pathways and antiviral defenses to allow efficient reproduction in normal human cells of adenoviruses, viruses that are used in such therapeutic applications as gene transfer and cancer treatment.

Vincent R. Racaniello is Higgins Professor of Microbiology & Immunology at Columbia University Vagelos College of Physicians & Surgeons. Dr. Racaniello has been studying viruses for over 40 years, including polio- virus, rhinovirus, enteroviruses, hepatitis C virus, and Zika virus. He blogs about virus-es at [virology.ws](http://virology.ws) and is host of This Week in Virology.

Glenn F. Rall is a Professor and the Chief Academic Officer at the Fox Chase Cancer Center, and is an Adjunct Professor in the Microbiology and Immunology departments at the University of Pennsylvania, as well as Thomas Jefferson, Drexel, and Temple Universities. Dr. Rall studies viral infections of the brain and the immune responses to those infections, with the goal of defining how viruses contribute to disease.

Theodora Hatziioannou is a Research Associate Professor at Rockefeller University and

Wiley-Blackwell  
9781683672852  
Ship Date: 07/09/2020  
\$100.00/£75.80 UK/€85.50 EU  
Discount Code: P  
Paperback

528 Pages



## Surfactant Science and Technology (4th Edition)

Drew Myers

### Summary

A solid introduction to the field of surfactant science, this new edition provides updated information about surfactant uses, structures, and preparation, as well as seven new chapters expanding on technology applications.

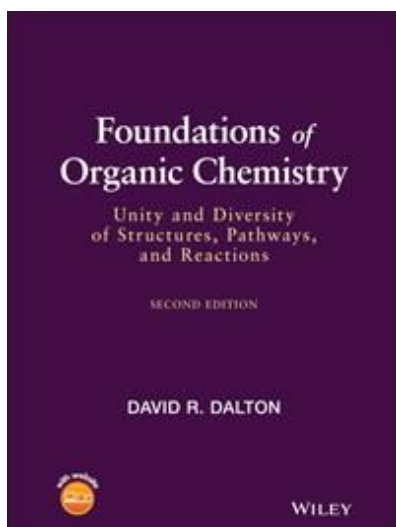
- Offers a comprehensive introduction and reference of the science and technology of surface active materials
- Elaborates, more fully than prior editions, aspects of surfactant crystal structure as well as their effects on applications
- Adds more information on new classes and applications of natural surfactants in light of environmental consequences of surfactant use

### Contributor Bio

**DREW MYERS** obtained his Ph.D. in Organic Chemistry with secondary specialization in Medicinal Chemistry at the University of Utah in 1974 and his M.Sc. in Surface and Colloid Science at the University of Bristol in 1979. He has been a consultant in surface, colloid, organic, and polymer chemistry since 1986.

Wiley-Blackwell  
9781119465850  
Ship Date: 04/10/2020  
\$195.00/£148.00 UK/€166.70 EU  
Discount Code: DP  
Hardcover

416 Pages



Wiley-Blackwell  
 9781119656425  
 Ship Date: 11/10/2020  
 \$175.00/£133.00 UK/€149.60 EU  
 Discount Code: P  
 Hardcover  
 1376 Pages

## Foundations of Organic Chemistry (2nd Edition)

### Unity and Diversity of Structures, Pathways, and Reactions

David R. Dalton

#### Summary

**Learn the fundamentals and foundations of modern organic chemistry with this comprehensive guide**

*Foundations of Organic Chemistry: Unity and Diversity of Structures, Pathways, and Reactions, 2nd Edition*, is a substantive guide for students beginning their study of organic chemistry and instructors, as well as senior undergraduates and graduate students seeking to further their understanding of the subject.

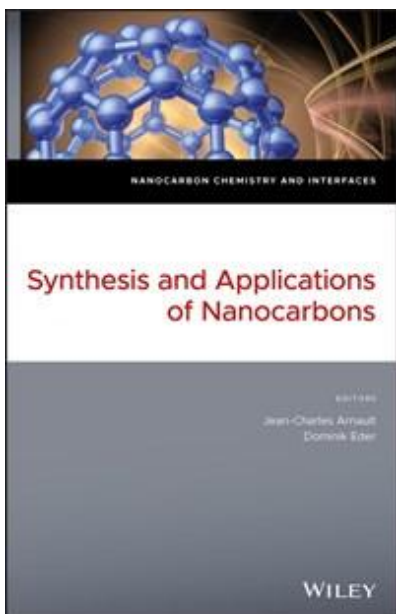
*Foundations of Organic Chemistry* is a serious attempt to show students who want to learn organic chemistry how we know what we know about the subject and to guide them to learn.

In this work, the emphasis of the discussion of structures, pathways, and reactions is placed on the original literature and the fundamentals and use of spectroscopic and kinetic tools. Application of the resulting working knowledge of the substance of organic chemistry will lead the serious student to ask additional questions and, ultimately, to solve problems we face.

The book also includes solutions guides for instructors and lecturers, as well as access to a companion website for furthering the reader's knowledge of organic chemistry.

#### Contributor Bio

**DAVID R. DALTON** received his Ph.D. in Organic Chemistry from the University of California, Los Angeles and is a Professor Emeritus at Temple University. He has held visiting professorships (1972-1973) at Israel Institute of Technology (Technion), Haifa, Israel; (1976-1977) Yale University, New Haven, Connecticut; (1988-1989) Bryn Mawr College, Bryn Mawr, Pennsylvania; and in 1992, he was the visiting master teacher in Residence, Clemson University, Clemson, South Carolina.



Wiley-Blackwell  
 9781119429388  
 Ship Date: 15/10/2020  
 \$170.00/£130.00 UK/€115.10 EU  
 Discount Code: P  
 Hardcover

320 Pages  
 Series: Nanocarbon Chemistry and Interfaces

## Synthesis and Applications of Nanocarbons

Jean-Charles Arnault, Dominik Eder, Nianjun Yang

### Summary

#### A crucial overview of the cutting-edge in nanocarbon research and applications

In *Synthesis and Applications of Nanocarbons*, the distinguished authors have set out to discuss fundamental topics, synthetic approaches, materials challenges, and various applications of this rapidly developing technology. Nanocarbons have recently emerged as a promising material for chemical, energy, environmental, and medical applications because of their unique chemical properties and their rich surface chemistries. This book is the latest entry in the Wiley book series *Nanocarbon Chemistry and Interfaces* and seeks to comprehensively address many of the newly surfacing areas of controversy and development in the field.

This book introduces foundational concepts in nanocarbon technology, hybrids, and applications, while also covering the most recent and cutting-edge developments in this area of study.

*Synthesis and Applications of Nanocarbons* addresses new discoveries in the field, including:

- Nanodiamonds
- Onion-like carbons
- Carbon nanotubes
- Fullerenes
- Carbon dots
- Carbon fibers
- Graphene
- Aerographite

This book provides a transversal view of the various nanocarbon materials and hybrids and helps to share knowledge between the communities of each material and hybrid type.

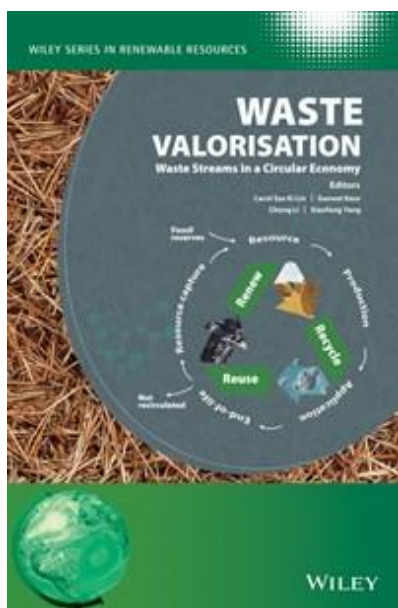
### Contributor Bio

#### Editors

**Jean-Charles Arnault**, Diamond Sensors Laboratory, CEA LIST, Gif-sur-Yvette, France

**Dominik Eder**, Institute of Materials Chemistry, Vienna University of Technology, Vienna, Austria





Wiley-Blackwell  
9781119502708  
Ship Date: 05/11/2020  
\$140.00/£110.00 UK/€124.30 EU  
Discount Code: P  
Hardcover

374 Pages  
Series: Wiley Series in Renewable Resource

## Waste Valorisation

### Waste streams in a Circular Economy

Carol Sze Ki Lin, Guneet Kaur, Chong Li, Xiaofeng Yang

### Summary

**A guide to the wide-variety of waste valorisation techniques related to various biomass, waste materials and by products**

*Waste Valorisation* provides a comprehensive review of waste chemistry and its application to the generation of value-added products. The authors – noted experts on the topic – offer a clear understanding of waste diversity, drivers and policies governing its valorisation based on the location. The book provides information on the principles behind various valorisation schemes and offers a description of general treatment options with their evaluation guidelines in terms of cost, energy consumption and waste generation.

Each of the book's chapters contain an introduction which summarises the current production and processing methods, yields, energy sources and other pertinent information for each specific type of waste. The authors focus on the most relevant novel technologies for value-added processing of waste streams or industrial by-products which can readily be integrated into current waste management systems. They also provide the pertinent technical, economic, social and environmental evaluations of bioconversions as future sustainable technologies in a biorefinery. This important book:

- Presents the most current technologies which integrate waste and/or by-product valorisation
- Includes discussions on end-product purity and life-cycle assessment challenges
- Explores relevant novel technologies for value-added processing of waste streams or industrial by-products which can be integrated into current waste management systems
- Offers a guide to waste reuse, a key sustainability goal for existing biorefineries wishing to reduce material and environmental costs

Written for academic researchers and industrial scientists working in agricultural and food production, bioconversions and waste management professionals, *Waste Valorisation* is an authoritative guide to the chemistry and applications of waste materials and provides an overview of the most recent developments in the field.

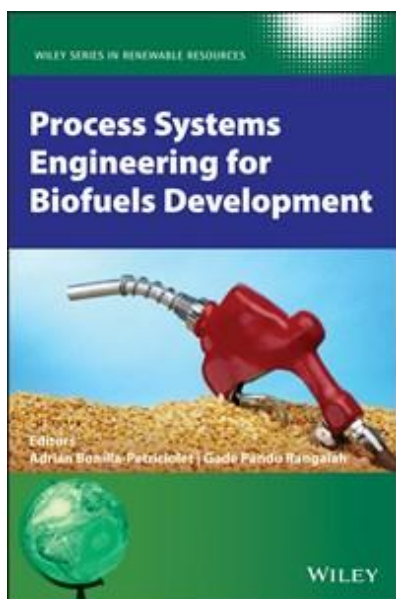
### Contributor Bio

**Dr. Carol Sze Ki Lin**, Associate Professor, School of Energy and Environment, City University of Hong Kong.

**Dr. Guneet Kaur**, Assistant Professor, Department of Biology, Hong Kong Baptist University.

**Dr. Chong Li**, Associate Research Fellow, Shenzhen Branch, Guangdong Laboratory for Lingnan Modern Agriculture, Genome Analysis Laboratory of the Ministry of Agriculture, Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences, Shenzhen, China.

**Dr. Xiaofeng Yang**, Associate Professor, School of Biology and Biological Engineering, South China University of Technology, Guangzhou, China.



Wiley-Blackwell  
9781119580270  
Ship Date: 27/08/2020  
\$180.00/£135.00 UK/€152.60 EU  
Discount Code: P  
Hardcover

384 Pages  
Series: Wiley Series in Renewable  
Resource

## Process Systems Engineering for Biofuels Development

Adrian Bonilla-Petriciolet, Gade Pandu Rangaiah, C...

### Summary

#### A comprehensive overview of current developments and applications in biofuels production

*Process Systems Engineering for Biofuels Development* brings together the latest and most cutting-edge research on the production of biofuels. As the first book specifically devoted to process systems engineering for the production of biofuels, *Process Systems Engineering for Biofuels Development* covers theoretical, computational and experimental issues in biofuels process engineering.

Written for researchers and postgraduate students working on biomass conversion and sustainable process design, as well as industrial practitioners and engineers involved in process design, modeling and optimization, this book is an indispensable guide to the newest developments in areas including:

- Enzyme-catalyzed biodiesel production
- Process analysis of biodiesel production (including kinetic modeling, simulation and optimization)
- The use of ultrasonification in biodiesel production
- Thermochemical processes for biomass transformation to biofuels
- Production of alternative biofuels

In addition to the comprehensive overview of the subject of biofuels found in the Introduction of the book, the authors of various chapters have provided extensive discussions of the production and separation of biofuels via novel applications and techniques.

### Contributor Bio

Editors

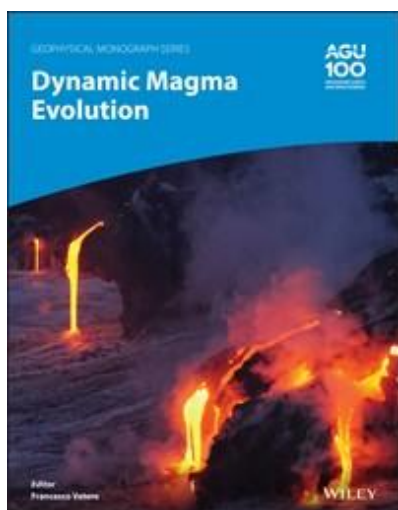
**Adrián Bonilla-Petriciolet**, *Department of Chemical Engineering, Instituto Tecnológico de Aguascalientes, Mexico*

**Gade Pandu Rangaiah**, *Department of Chemical & Biomolecular Engineering, National University of Singapore, Singapore and School of Chemical Engineering, Vellore Institute of Technology, India*

Series Editor

**Christian Stevens**, *Faculty of Bioscience Engineering, Ghent University, Belgium*





## Dynamic Magma Evolution

Francesco Vetere

### Summary

**Explores the complex physico-chemical processes involved in active volcanism and dynamic magmatism**

Understanding the magmatic processes responsible for the chemical and textural signatures of volcanic products and igneous rocks is crucial for monitoring, forecasting, and mitigating the impacts of volcanic activity.

*Dynamic Magma Evolution* is a compilation of recent geochemical, petrological, physical, and thermodynamic studies. It combines field research, experimental results, theoretical approaches, unconventional and novel techniques, and computational modeling to present the latest developments in the field.

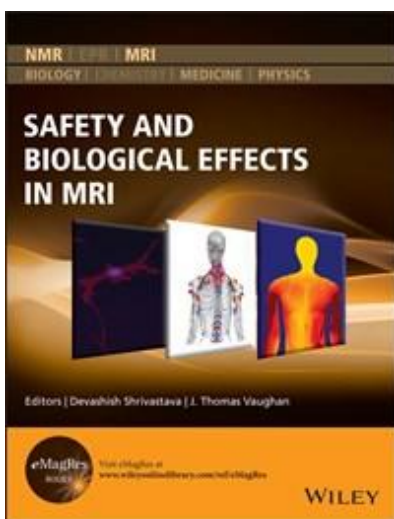
Volume highlights include:

- Crystallization and degassing processes in magmatic environments
- Bubble and mineral nucleation and growth induced by cooling and decompression
- Kinetic processes during magma ascent to the surface
- Magma mixing, mingling, and recharge dynamics
- Geo-speedometer measurement of volcanic events
- Changes in magma rheology induced by mineral and volatile content

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

John Wiley & Sons  
9781119521136  
Ship Date: 16/12/2020  
\$199.95/£151.00 UK/€170.90 EU  
Discount Code: P  
Hardcover

332 Pages  
Series: Geophysical Monograph Series



## Safety and Biological Effects in MRI

Devashish Shrivastava, J. Thomas Vaughan

### Summary

In vivo magnetic resonance imaging (MRI) has evolved into a versatile and critical, if not 'gold standard', imaging tool with applications ranging from the physical sciences to the clinical '-ology'. In addition, there is a vast amount of accumulated but unpublished inside knowledge on what is needed to perform a safe, in vivo MRI. The goal of this comprehensive text, written by an outstanding group of world experts, is to present information about the effect of the MRI environment on the human body, and tools and methods to quantify such effects. By presenting such information all in one place, the expectation is that this book will help everyone interested in the Safety and Biological Effects in MRI find relevant information relatively quickly and know where we stand as a community. The information is expected to improve patient safety in the MR scanners of today, and facilitate developing faster, more powerful, yet safer MR scanners of tomorrow.

This book is arranged in three sections. The first, named 'Static and Gradient Fields' (Chapters 1-9), presents the effects of static magnetic field and the gradients of magnetic field, in time and space, on the human body. The second section, named 'Radiofrequency Fields' (Chapters 10-30), presents ways to quantify radiofrequency (RF) field induced heating in patients undergoing MRI. The effect of the three fields of MRI environment (i.e. Static Magnetic Field, Time-varying Gradient Magnetic Field, and RF Field) on medical devices, that may be carried into the environment with patients, is also included. Finally, the third section, named 'Engineering' (chapters 31-35), presents the basic background engineering information regarding the equipment (i.e. superconducting magnets, gradient coils, and RF coils) that produce the Static Magnetic Field, Time-varying Gradient Magnetic Field, and RF Field.

The book is intended for undergraduate and post-graduate students, engineers, physicists, biologists, clinicians, MR technologists, other healthcare professionals, and everyone else who might be interested in looking into the role of MRI environment on patient safety, as well as those just wishing to update their knowledge of the state of MRI safety. Those, who are learning about MRI or training in magnetic resonance in medicine, will find the book a useful compendium of the current state of the art of the field.

Wiley-Blackwell  
9781118821305  
Ship Date: 22/10/2020  
\$190.00/£150.00 UK/€132.80 EU  
Discount Code: P  
Hardcover

536 Pages  
Series: eMagRes Books



## Organic Reactions, Volume 103

### Parts A and B

P. Andrew Evans

### Summary

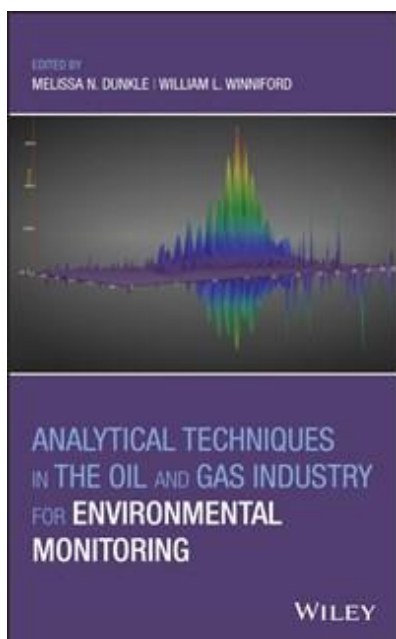
The 103rd volume in this series for organic chemists in academia and industry presents critical discussions of widely used organic reactions or particular phases of a reaction. The material is treated from a preparative viewpoint, with emphasis on limitations, interfering influences, effects of structure 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. This volume is published in two parts, A and B.

### Contributor Bio

**P. ANDREW EVANS** holds the Alfred A. Bader Chair of Organic Chemistry at Queens University, Kingston (Canada). His research interests are primarily focused on the explorations and development of new metal-catalyzed reactions and their application to the total synthesis of complex bioactive natural products. He has published over 100 papers, articles, reviews and monographs. He has also delivered nearly 500 plenary and invited lectures at international conferences, symposia, universities, research institutes and companies.

Wiley-Blackwell  
9781119651253  
Ship Date: 22/10/2020  
\$650.00/£493.00 UK/€555.60 EU  
Discount Code: P  
Hardcover

750 Pages  
Series: Organic Reactions



Wiley-Blackwell  
9781119523307  
Ship Date: 27/10/2020  
\$195.00/£148.00 UK/€166.70 EU  
Discount Code: DP  
Hardcover

464 Pages

## Analytical Techniques in the Oil and Gas Industry for Environmental Monitoring

Melissa N. Dunkle, William L. Winniford

### Summary

**A thorough introduction to environmental monitoring in the oil and gas industry**

*Analytical Techniques in the Oil and Gas Industry for Environmental Monitoring* examines the analytical side of the oil and gas industry as it also provides an overall introduction to the industry. You'll discover how oil and natural gas are sourced, refined, and processed. You can learn about what's produced from oil and natural gas, and why evaluating these sourced resources is important.

The book discusses the conventional analyses for oil and natural gas feeds, along with their limitations. It offers detailed descriptions of advanced analytical techniques that are commercially available, plus explanations of gas and oil industry equipment and instrumentation. You'll find technique descriptions supplemented with a list of references as well as with real-life application examples. With this book as a reference, you can prepare to apply specific analytical methods in your organization's lab environment. *Analytical Techniques* can also serve as your comprehensive resource on key techniques in the characterization of oil and gas samples, within both refinery and environmental contexts.

- Understand of the scope of oil and gas industry techniques available
- Consider the benefits and limitations of each available process
- Prepare for applying analytical techniques in your lab
- See real examples and a list of references for each technique
- Read descriptions of off-line analytics, as well as on-line and process applications

As a chemist, engineer, instructor, or student, this book will also expand your awareness of the role these techniques have in environmental monitoring and environmental impact assessments.

### Contributor Bio

**MELISSA N. DUNKLE, PhD**, is currently an Associate Research Scientist at Dow Benelux in The Netherlands. She focuses on R&D projects to advance analytical capabilities and improve the evaluation of natural gas feedstocks.

**WILLIAM L. WINNIFORD, PhD**, is currently a Fellow at The Dow Chemical Company in Freeport, Texas. His primary field of research is analytical separations, currently focused on comprehensive two-dimensional chromatography.

WILEY-VCH

Surya K. De

**Applied Organic Chemistry**

Reaction Mechanisms and Experimental Procedures in Medicinal Chemistry



Wiley VCH  
 9783527347858  
 Ship Date: 28/10/2020  
 \$405.00/£250.00 UK/€282.50 EU  
 Discount Code: P  
 Hardcover

708 Pages

**Applied Organic Chemistry****Reaction Mechanisms and Experimental Procedures in Medicinal Chemistry**

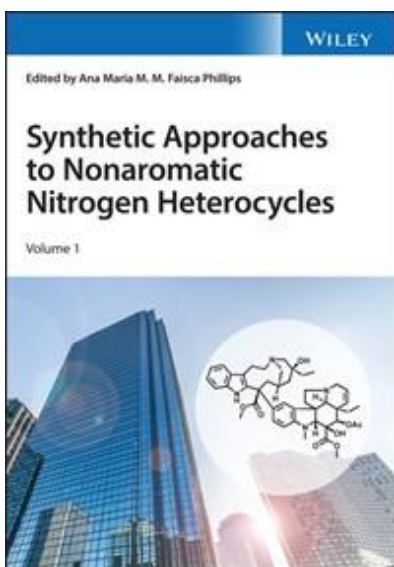
Surya K. De

**Summary**

Aimed at researchers in academia and industry, this book summarizes the most relevant reactions and reagents used by organic chemists to synthesize important heterocycles and drugs, including mechanistic information and typical experimental procedures.

**Contributor Bio**

Surya K. De is a principal scientist at Plex Pharmaceuticals and Collidion Inc. in San Diego, California (USA), since 2016. He obtained his Ph.D. in Organic Chemistry from Jadavpur University, Kolkata (India), and worked at the University of Washington (Seattle, USA), Purdue University (West Lafayette, Indiana, USA), and The Scripps Research Institute (La Jolla, USA) prior to joining the Sanford-Burnham Medical Research Institute (La Jolla, USA) as a scientist in 2007. His research interests focus on the development of new synthetic methodology in organic synthesis (e.g. multi-step reactions), catalyst development, drug design and discovery, as well as medicinal chemistry. He has authored more than 100 peer reviewed international journal contributions, ten patents, and one book. He is an editorial board member of "The Open Organic Chemistry Journal", "The Open Catalysis Journal", and "Current Chemical Research". He is an elected fellow of the Royal Society of Chemistry (UK) and an Alternate Councilor in the American Chemical Society (San Diego section), since 2007.



Wiley-Blackwell  
 9781119708704  
 Ship Date: 12/11/2020  
 \$375.00/£300.00 UK/€339.00 EU  
 Discount Code: P  
 Hardcover

900 Pages

## Synthetic Approaches to Nonaromatic Nitrogen Heterocycles

**2 Volume Set**

Ana Maria Faisca Phillips

### Summary

**A comprehensive overview of synthetic strategies for nonaromatic nitrogen heterocycles**

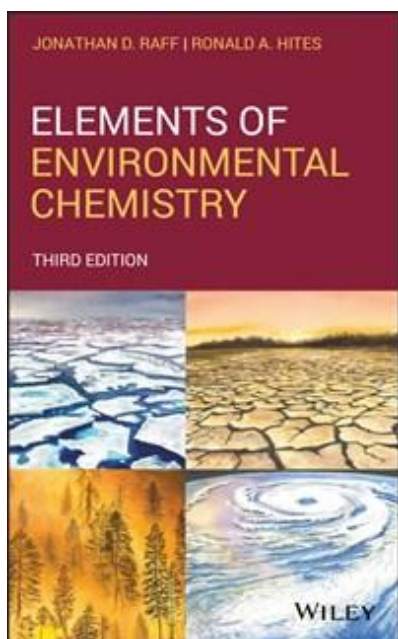
Nitrogen heterocycles are extremely widely distributed in nature, as well as in synthetic substances found in pharmaceuticals, agrochemicals, and materials chemistry. With new structures and medicines that include these structures emerging yearly, and a vast new journal literature to describe them, anyone who wants to be effective in R&D needs to easily access a synthesis of the latest research.

This state-of-the-art survey explores recent developments in the most widely used reactions, as well as completely new ones.

- Highlights the major modern synthetic methods known to obtain nonaromatic nitrogen heterocycles, and their practical applications
- Topics include enantioselective synthesis and catalysis, photocatalysis, biocatalysis, microwave-assisted synthesis, reactions of oximes and nitrones, and ionic liquids
- Discusses how to synthesize rings of specific sizes
- Covers sustainable synthetic approaches for obtaining salts

Whether you are using nonaromatic nitrogen compounds as an academic researcher, a synthetic chemist in industry, or an advanced student, this book is an essential, up-to-date resource to support your work.





Wiley-Blackwell  
 9781119434870  
 Ship Date: 01/11/2020  
 \$79.95/£60.95 UK/€68.40 EU  
 Discount Code: P  
 Hardcover

288 Pages

## Elements of Environmental Chemistry (3rd Edition)

Jonathan D. Raff, Ronald A. Hites

### Summary

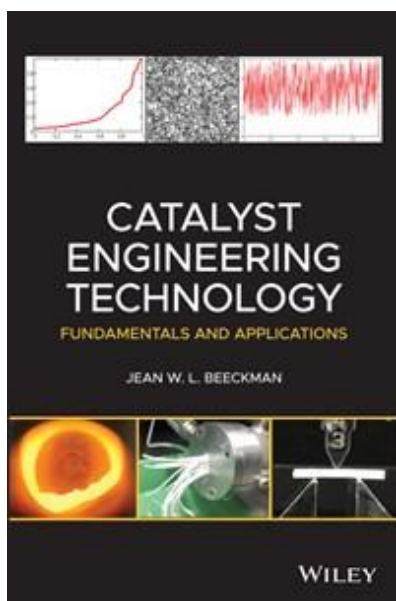
A practical approach to environmental chemistry, *Elements of Environmental Chemistry, 3<sup>rd</sup> Edition* provides readers with the fundamentals of environmental chemistry and a toolbox for putting them into practice. This is a concise, accessible, and hands-on volume designed for students and professionals working in the chemical and environmental sciences.

The 3<sup>rd</sup> Edition has been completely revised and rearranged. The first chapter on tool skills has been expanded to include thermodynamic considerations and measurement issues. The former chapter on the partitioning of organic compounds has been expanded to cover the fates of organic compounds, with an emphasis on developing the readers chemical intuition for predicting a chemicals fate based on structure. The material on lead, mercury, pesticides, PCBs, dioxins, and flame retardants has been expanded and combined into the last chapter and supplemented with more references to the literature. The problem sets have been extended and now include over 130 problems, some of which can be solved using Excel.

### Contributor Bio

**Jonathan D. Raff**, PhD, is an Associate Professor in the O'Neill School of Public and Environmental Affairs at Indiana University. He was the recipient of a National Science Foundation American Competitiveness in Chemistry Fellowship and early career awards from the National Science Foundation and the U.S. Department of Energy.

**Ronald A. Hites**, PhD, is a Distinguished Professor Emeritus in the O'Neill School of Public and Environmental Affairs at Indiana University. He is a Fellow of the American Chemical Society, of the American Association for the Advancement of Science, and of the Society for Environmental Toxicology and Chemistry. He was an editor of *Environmental Science and Technology* from 1990-2019.



Wiley-Blackwell  
 9781119634942  
 Ship Date: 02/11/2020  
 \$140.00/£107.00 UK/€119.70 EU  
 Discount Code: P  
 Hardcover

304 Pages

## Catalyst Engineering Technology

### Fundamentals and Applications

Jean W. L. Beeckman

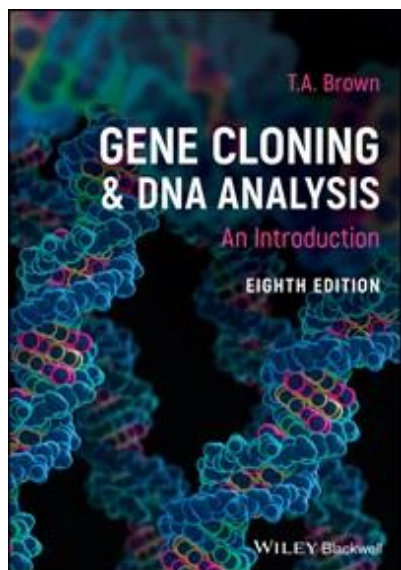
#### Summary

This book gives a comprehensive explanation of what governs the breakage of extruded materials, and what techniques are used to measure it. The breakage during impact aka collision is explained using basic laws of nature allowing readers to determine the handling severity of catalyst manufacturing equipment and the severity of entire plants. This information can then be used to improve on the architecture of existing plants and how to design grass-roots plants. The book begins with a summary of particle forming techniques in the particle technology industry. It covers extrusion technology in more detail since extrusion is one of the workhorses for particle manufacture. A section is also dedicated on how to describe transport and chemical reaction in such particulates for of course their final use. It presents the fundamentals of the study of breakage by relating basic laws in different fields (mechanics and physics) and this leads to two novel dimensionless groups that govern breakage. These topics are then apply these topics to R&D scale-up and manufacturing and shows how this approach is directly applicable.

#### Contributor Bio

**JEAN W. L. BEECKMAN** obtained his chemical engineering degree in 1975 and later his doctorate in 1979 at the Rijksuniversiteit Gent, Belgium. Since 2001, the author has been with ExxonMobil in Annandale, NJ. His entire career has been in the area of catalyst development, catalyst manufacturing and mathematical modeling. Jean has over 35 patents and over 25 peer reviewed technical publications.





## Gene Cloning and DNA Analysis: An Introduction 8e

9781119640783

0 Pages

## Engineering Solutions for CO<sub>2</sub> conversion

Tomas Ramirez Reina, Jose A Odriozola, Harvey Arel...

No Image  
Available

### Summary

This book comprises a complete overview of the current technologies to tackle CO<sub>2</sub> emissions ranging from CO<sub>2</sub> capture to CO<sub>2</sub> utilization approaches. The book is presented as a multidisciplinary toolkit covering all the different aspects of CO<sub>2</sub> conversion strategies including chemical, physical, engineering and economical facets and therefore it is an excellent resource for researchers and students working in chemistry, chemical engineering and environmental sciences.

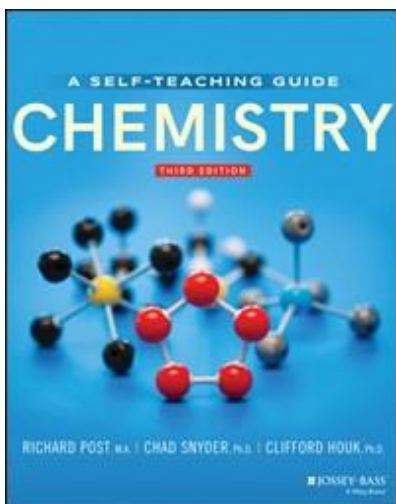
### Contributor Bio

Dr Tomas R. Reina is a lecturer in Chemical Engineering and the leader of the Catalysis Unit at the University of Surrey. He holds a PhD in Chemistry with a strong background in heterogeneous catalysis, reaction engineering and materials science. He has broad expertise in the development of advanced catalysts for energy conversion and sustainability. Currently, he is the PI of several projects in the area of CO<sub>2</sub> utilisation (sponsored by EPSRC) and green routes for chemicals and fuel production. Dr Reina has co-authored 40+ research papers in high impact factor journals (including for example Chemical Reviews IF:48), 3 book chapters, 4 patents and 60+ conference contributions (including invited talks and keynote presentations). His research in the field of catalysis has been internationally recognized with several awards and distinctions from prestigious institutions including the European Federation of Catalysis Societies (EFCATS), the Spanish Society of Catalysis (SECAT), and the Institution of Chemical Engineers (IChemE).

Prof. José A. Odriozola is Chair of Inorganic Chemistry of the University of Sevilla since 1997 and Research Professor of the Materials Science Institute of Sevilla, Spain. He is Fellow of the Spanish Society of Catalysis and of the American Chemical Society, and Head of the Materials Science and Technology Panel of the Spanish National Agency for Evaluation and Prospective, ANEP (2004-2006). Prof. Odriozola has focused his research on the surface chemistry of materials and has developed a new research line focused on the manufacture and study of micromonoliths and microchannel reactors for energetic and environmental catalytic applications including CO<sub>2</sub> utilization. He has published 280+ peer-reviewed journals including 11 patents.

Prof. Harvey Arellano-Garcia is Director of Research, Professor of Chemical Engineering and the Founder Director of the Centre for Advanced Process Intensification at the University of Surrey. He holds an honorary Prof...

Wiley VCH  
9783527346394  
Ship Date: 18/11/2020  
\$407.82/£290.00 UK/€327.70 EU  
Discount Code: P  
Hardcover  
800 Pages



Jossey Bass  
 9781119632566  
 Ship Date: 10/11/2020  
 \$24.99/£18.99 UK/€21.40 EU  
 Discount Code: T  
 Paperback  
 432 Pages  
 Series: Wiley Self-Teaching Guides

## **Chemistry (3rd Edition)**

### **Concepts and Problems, A Self-Teaching Guide**

Richard Post, Chad Snyder, Clifford C. Houk

### **Summary**

#### **THE QUICK AND PAINLESS WAY TO TEACH YOURSELF BASIC CHEMISTRY CONCEPTS AND TERMS**

*Chemistry: A Self-Teaching Guide* is the easy way to gain a solid understanding of the essential science of chemistry. Assuming no background knowledge of the subject, this clear and accessible guide covers the central concepts and key definitions of this fundamental science, from the basic structure of the atom to chemical equations.

An innovative self-guided approach enables you to move through the material at your own pace—gradually building upon your knowledge while you strengthen your critical thinking and problem-solving skills. This edition features new and revised content throughout, including a new chapter on organic chemistry, designed to dramatically increase how fast you learn and how much you retain. This powerful learning resource features:

- An interactive, step-by-step method proven to increase your understanding of the fundamental concepts of chemistry
- Learning objectives, practice questions, study problems, and a self-review test in every chapter to reinforce your learning
- An emphasis on practical concepts and clear explanations to ensure that you comprehend the material quickly
- Engaging end-of-chapter stories connecting the material to a relevant topic in chemistry to bring important concepts to life
- Concise, student-friendly chapters describing major chemistry concepts and terms, including the periodic table, atomic weights, chemical bonding, solutions, gases, solids, and liquids

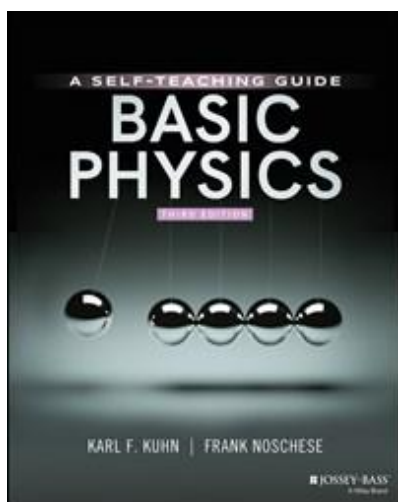
*Chemistry: A Self-Teaching Guide* is an ideal resource for high school or college students taking introductory chemistry courses, for students taking higher level courses needing to refresh their knowledge, and for those preparing for standardized chemistry and medical career admission tests.

### **Contributor Bio**

**RICHARD POST** is Assistant Dean Emeritus, Ohio University and Board Member and Webmaster of the University's Emeriti Association. He has vast experience in instructional technology and design and has authored numerous magazine feature articles and columns on the historical development, engineering, and practical impact of electronics and communications technologies.

**CHAD SNYDER** is Professor of Chemistry at Liberty University where he teaches organic, inorganic, general, and forensic chemistry. He authors end-of-chapter problems and test bank questions for a variety of chemistry titles and frequently serves as a subject matter expert in chemistry.

**CLIFFORD HOUK** was Professor of Health Science at Ohio University. He held a doctoral degree in inorganic chemistry, and was a fellow of the American Industrial Hygiene Association (AIHA). Dr. Houk co-authored the first two editions of *Chemistry: A Self-Teaching Guide*.



Jossey Bass  
9781119629900  
Ship Date: 10/11/2020  
\$24.99/£18.99 UK/€21.40 EU  
Discount Code: T  
Paperback

352 Pages

## Basic Physics (3rd Edition)

### A Self-Teaching Guide

Karl F. Kuhn, Frank Noschese

### Summary

#### Learn physics at your own pace without an instructor

*Basic Physics: A Self-Teaching Guide, 3rd Edition* is the most practical and reader-friendly guide to understanding all basic physics concepts and terms. The expert authors take a flexible and interactive approach to physics based on new research-based methods about how people most effectively comprehend new material. The book takes complex concepts and breaks them down into practical, easy to digest terms.

Subject matter covered includes:

- Newton's Laws
- Energy
- Electricity
- Magnetism
- Light
- Sound
- And more

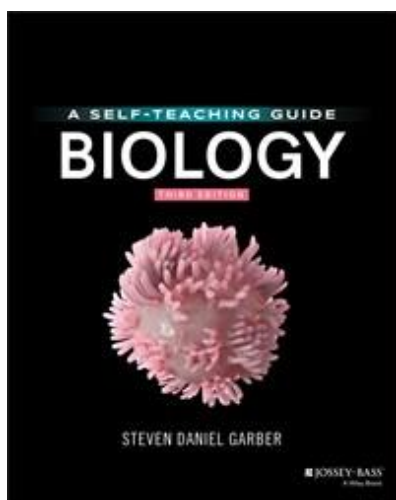
There are also sections explaining the math behind each concept for those who would like further explanation and understanding. Each chapter features a list of objectives so that students know what they should be learning from each chapter, test questions, and exercises that inspire deeper learning about physics.

High school students, college students, and those re-learning physics alike will greatly enhance their physics education with the help of this one-of-a-kind guide. The third edition of this book reflects and implements new, research-based methods regarding how people best learn new material. As a result, it contains a flexible and interactive approach to learning physics.

### Contributor Bio

**KARL F. KUHN, PhD**, is Professor of Physics at Eastern Kentucky University.

**FRANK NOSCHES** teaches College-Preparatory Physics and Advanced Placement Physics at John Jay High School in Cross River, New York. He is a National Board Certified Teacher, New York State Master Teacher, and a member of the American Association of Physics Teachers.



Jossey Bass  
 9781119645023  
 Ship Date: 10/11/2020  
 \$24.99/£18.99 UK/€21.40 EU  
 Discount Code: T  
 Paperback

512 Pages

## **Biology (3rd Edition)**

### **A Self-Teaching Guide**

Steven D. Garber

### **Summary**

#### **An Interactive, Easy-to-Use Introductory Guide to Major Biology Concepts**

For students looking for a solid introduction to Biology, the new 3rd Edition of *Biology: A Teaching Guide* is the perfect learning tool. The latest edition has been updated to include the most up-to-date information on everything from photosynthesis to physiology.

For students preparing for exams or individuals who want to review material from years past, the step-by-step format is designed to help students and teachers alike easily understand complex concepts, key terms, and frequently asked questions. The guide includes a comprehensive glossary and self-test questions in each chapter, allowing students to reinforce their knowledge and better understand the concepts.

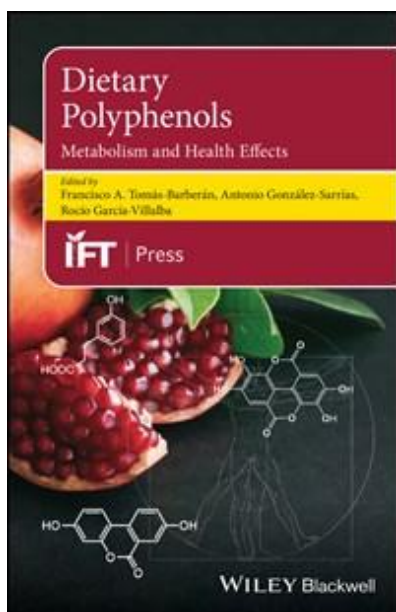
In *A Teaching Guide*, learn about the foundational aspects of biology, including:

- How photosynthesis occurs
- Whether viruses are living or dead
- The reproductive sexual terms behind cloning
- Comprehensive treatment of all aspects of life science

Thoroughly updated with self-teaching practice exams and questions, this comprehensive guide is designed to give students the tools they need to master the fundamental concepts and critical definitions behind biology.

### **Contributor Bio**

**STEVEN DANIEL GARBER, PhD**, is an environmental advisor, author, and educator. He has taught biology in public schools and at Cornell University, the City University of New York, and Rutgers University. Steven has worked as a biologist at the American Museum of Natural History, the National Park Service, Yale University's Peabody Museum of Natural History, and the New York City Parks Department. He is the author of *The Urban Naturalist* and *Biology: A Self-Teaching Guide*.



## Dietary Polyphenols

### Metabolism and Health Effects

Francisco A . Tomás-Barberán, Antonio González-Sarrías...

### Summary

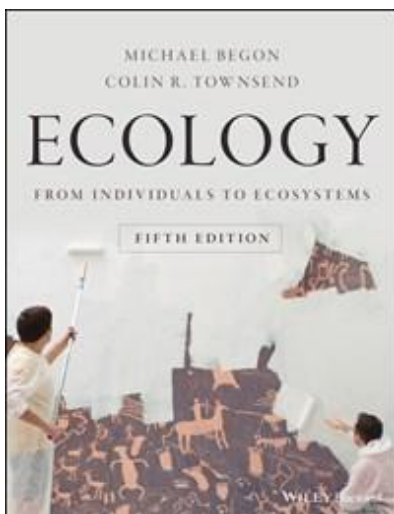
This book will describe the most recent studies about metabolism and the current evidence on the health effects of the different group of polyphenols.

The first two chapters will provide an overview of extractable fraction and non-extractable polyphenols, a relevant fraction of dietary polyphenols that are extensively metabolised by the action of microbiota and that exhibit potential health effects. Analytical methods available for identification and quantification of polyphenols in foods and biological samples will be considered in the third chapter. In the following chapters, the different families of phenolic compounds: hydroxycinnamic acids (chapter 4), flavonoids (chapter 5), anthocyanidins (chapter 6), flavan-3-ols and proanthocyanidins (chapter 7), hydrolyzable tannins (chapter 8), lignans (chapter 9) and stilbenes (chapter 10) will be presented. Bioavailability, bioaccessibility, pharmacokinetics studies, microbial metabolism of these families of compounds will be reviewed in individual chapters, along with the biological activities described in literature for these groups of compounds. Recent epidemiological and clinical intervention studies showing protective effects of polyphenols and discussing the gaps in this term will be included in chapter 10 and the importance of the interindividual variability in the metabolism and health effects will be discussed in chapter 11. Due to the importance of gut microbiota to understand the metabolism and health effects of polyphenols, chapter 12 will be dedicated to the interaction between polyphenols and gut microbiota.

Wiley-Blackwell  
9781119563723  
Ship Date: 08/12/2020  
\$250.00/£151.00 UK/€170.90 EU  
Discount Code: P  
Hardcover

576 Pages  
Series: Institute of Food  
Technologists Series





Wiley-Blackwell  
 9781119279358  
 Ship Date: 03/12/2020  
 \$65.00/£50.00 UK/€56.50 EU  
 Discount Code: P  
 Paperback

912 Pages

## **Ecology (5th Edition)**

### **From Individuals to Ecosystems**

Michael Begon, Colin R. Townsend

### **Summary**

**A definitive guide to the depth and breadth of the ecological sciences, revised and updated**

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

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

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

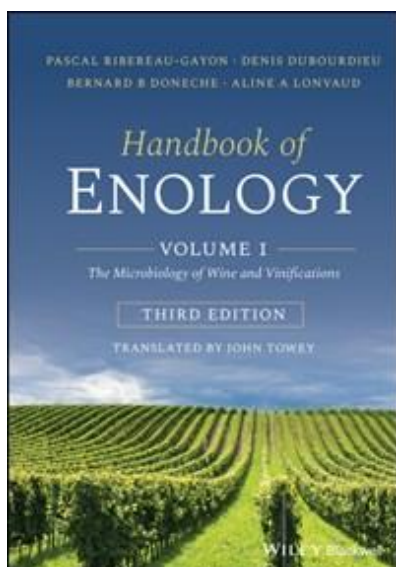
Nonetheless, the authors remain wedded to the belief that environmental action can only ever be as sound as the ecological principles on which it is based. Hence, while trying harder than ever to help improve preparedness for addressing the environmental problems of the years ahead, the book remains,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

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

### **Contributor Bio**

**Michael Begon, PhD**, is Professor of Ecology in the Department of Evolution, Ecology and Behaviour at the University of Liverpool. He specialises in the ecology of infectious diseases in wildlife populations, focusing on diseases transmissible to humans.

**Colin R. Townsend**, is Professor Emeritus and Founding Director of the Ecology, Conservation and Biodiversity Research Group of Otago University. His research concerns the ecology of invasions and multiple stressors in stream ecosystems.



Wiley-Blackwell  
 9781119584681  
 Ship Date: 11/03/2021  
 \$195.00/£147.50 UK/€166.70 EU  
 Discount Code: P  
 Hardcover

600 Pages

## Handbook of Enology: Volume 1 (3rd Edition)

### The Microbiology of Wine and Vinifications

Pascal Ribéreau-Gayon, Denis Dubourdieu, Bernard B...

### Summary

As an applied science, enology is a collection of knowledge from the fundamental sciences including chemistry, biochemistry, microbiology, bioengineering, psychophysics, cognitive psychology, etc., and nourished by empirical observations. The approach used in the *Handbook of Enology* is thus the same. It aims to provide practitioners, winemakers, technicians and enology students with foundational knowledge and the most recent research results. This knowledge can be used to contribute to a better definition of the quality of grapes and wine, a greater understanding of chemical and microbiological parameters, with the aim of ensuring satisfactory fermentations and predicting the evolution of wines, and better mastery of wine stabilization processes. As a result, the purpose of this publication is to guide readers in their thought processes with a view to preserving and optimizing the identity and taste of wine and its aging potential.

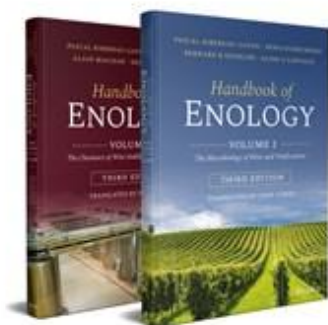
This third English edition of *The Handbook of Enology*, is an enhanced translation from the 9<sup>th</sup> French 2017 edition, and is published in print as individual themed volumes and as a two-volume set, describing aspects of winemaking using a detailed, scientific approach. The authors, who are highly-respected enologists, examine winemaking processes, theorizing what constitutes a perfect technique and the proper combination of components necessary to produce a quality vintage. They also illustrate methodologies of common problems, revealing the mechanism behind the disorder, thus enabling a diagnosis and solution.

**Volume 1:** *The Microbiology of Wine and Vinifications* addresses the first phase of winemaking to produce an "unfinished" wine: grading grape quality and maturation, yeast biology then adding it to the grape crush and monitoring its growth during vinification; and identifying and correcting undesired conditions, such as unbalanced lactic and acetic acid production, use of sulfur dioxide and alternatives, etc.

Coverage includes: Wine microbiology; Yeasts; Yeast metabolism; The conditions for the development of yeasts; Lactic acid bacteria, their metabolism and their development in wine; Acetic bacteria; The use of sulfur dioxide in the treatment of musts and wines; Products and processes acting in addition to sulfur dioxide; Winemaking; The grape and its maturation; Harvesting and processing of grapes after harvest; Vinification in red and white wine making.

The target audience includes advanced viticulture and enology students, ...





## Handbook of Enology (3rd Edition)

### 2 Volume Set

Pascal Ribéreau-Gayon, Denis Dubourdieu, Bernard B...

### Summary

As an applied science, Enology is a collection of knowledge from the fundamental sciences including chemistry, biochemistry, microbiology, bioengineering, psychophysics, cognitive psychology, etc., and nourished by empirical observations. The approach used in the *Handbook of Enology* is thus the same. It aims to provide practitioners, winemakers, technicians and enology students with foundational knowledge and the most recent research results. This knowledge can be used to contribute to a better definition of the quality of grapes and wine, a greater understanding of chemical and microbiological parameters, with the aim of ensuring satisfactory fermentations and predicting the evolution of wines, and better mastery of wine stabilization processes. As a result, the purpose of this publication is to guide readers in their thought processes with a view to preserving and optimizing the identity and taste of wine and its aging potential.

This third English edition of *The Handbook of Enology*, is an enhanced translation from the 9<sup>th</sup> French 2017 edition, and is published as a two-volume set describing aspects of winemaking using a detailed, scientific approach. The authors, who are highly-respected enologists, examine winemaking processes, theorizing what constitutes a perfect technique and the proper combination of components necessary to produce a quality vintage. They also illustrate methodologies of common problems, revealing the mechanism behind the disorder, thus enabling a diagnosis and solution.

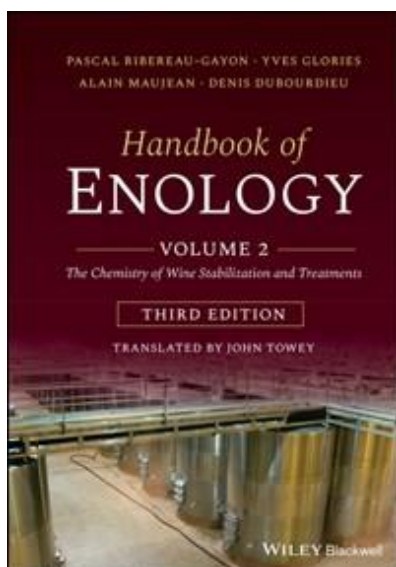
The Handbook describes winemaking in two phases:

**Volume 1:** *The Microbiology of Wine and Vinifications* addresses the first phase of winemaking to produce an "unfinished" wine: grading grape quality and maturation, yeast biology then adding it to the grape crush and monitoring its growth during vinification; and identifying and correcting undesired conditions, such as unbalanced lactic and acetic acid production, use of sulfur dioxide and alternatives, etc. Coverage includes: Wine microbiology; Yeasts; Yeast metabolism; The conditions for the development of yeasts; Lactic acid bacteria, their metabolism and their development in wine; Acetic bacteria; The use of sulfur dioxide in the treatment of musts and wines; Products and processes acting in addition to sulfur dioxide; Winemaking; The grape and its maturation; Harvesting and processing of grapes after harvest; Vinification in red and white wine making.

**Volume 2:** *The Chemistry of Wine and Stabilization and Treatments* I...

Wiley-Blackwell  
9781119587668  
Ship Date: 11/03/2021  
\$350.00/£265.00 UK/€299.45 EU  
Discount Code: P  
Hardcover

1136 Pages



Wiley-Blackwell  
 9781119587767  
 Ship Date: 11/03/2021  
 \$195.00/£147.50 UK/€166.70 EU  
 Discount Code: P  
 Hardcover

536 Pages

## Handbook of Enology, Volume 2 (3rd Edition)

### The Chemistry of Wine Stabilization and Treatments

Pascal Ribéreau-Gayon, Denis Dubourdieu, Yves Glor...

#### Summary

As an applied science, Enology is a collection of knowledge from the fundamental sciences including chemistry, biochemistry, microbiology, bioengineering, psychophysics, cognitive psychology, etc., and nourished by empirical observations. The approach used in the *Handbook of Enology* is thus the same. It aims to provide practitioners, winemakers, technicians and enology students with foundational knowledge and the most recent research results. This knowledge can be used to contribute to a better definition of the quality of grapes and wine, a greater understanding of chemical and microbiological parameters, with the aim of ensuring satisfactory fermentations and predicting the evolution of wines, and better mastery of wine stabilization processes. As a result, the purpose of this publication is to guide readers in their thought processes with a view to preserving and optimizing the identity and taste of wine and its aging potential.

This third English edition of *The Handbook of Enology*, is an enhanced translation from the 9<sup>th</sup> French 2017 edition, and is published as a two-volume set describing aspects of winemaking using a detailed, scientific approach. The authors, who are highly-respected enologists, examine winemaking processes, theorizing what constitutes a perfect technique and the proper combination of components necessary to produce a quality vintage. They also illustrate methodologies of common problems, revealing the mechanism behind the disorder, thus enabling a diagnosis and solution.

**Volume 2:** *The Chemistry of Wine and Stabilization and Treatments* looks at the wine itself in two parts. Part One analyzes the chemical makeup of wine, including organic acids, alcoholic, volatile and phenolic compounds, carbohydrates, and aromas. Part Two describes the procedures necessary to achieve a perfect wine: the clarification processes of fining, filtering and centrifuging, stabilization, and aging.

Coverage includes: Wine chemistry; Organic acids; Alcohols and other volatile products; Carbohydrates; Dry extract and mineral matter; Nitrogen substances; Phenolic compounds; The aroma of grape varieties; The chemical nature, origin and consequences of the main organoleptic defects; Stabilization and treatment of wines; The chemical nature, origin and consequences of the main organoleptic defects; The concept of clarity and colloidal phenomena; Clarification and stabilization treatments; Clarification of wines by filtration and centrifugation; The stabilizati...

## Paleobiology of the Polycystine Radiolaria

David Lazarus, Kozo Takahashi, Yoshiaki Aita, Yosh...

No Image  
Available

### Summary

We propose a new book which will provide an updated and more balanced presentation of both the biology and fossil record of radiolarians. The primary target for this book will be researchers and advanced students, and will specifically include more material on paleobiologic themes, as well as a synthesis of recent biologic and ecologic research. A more balanced, critical review of biostratigraphy, paleoenvironmental studies, including principles and methods, and the taxonomy/systematics of the group will be given, as will a summary of the history of research. Lastly, a broader range of primary literature, including extensive research in non-english sources (japanese, russian etc) will be used to provide a better summary of our biologic and geologic knowledge of this important group of organisms. The composition of the proposed book (nine major chapters) is outlined below:

Wiley-Blackwell  
9780470671443  
Ship Date: 19/11/2020  
\$95.00/£60.00 UK/€67.80 EU  
Discount Code: P  
Paperback

464 Pages  
Series: TOPA Topics in  
Paleobiology



Wiley-Blackwell  
 9781119042761  
 Ship Date: 19/11/2020  
 \$239.50/£145.00 UK/€163.90 EU  
 Discount Code: P  
 Hardcover

960 Pages

## Advanced Fermentation and Cell Technology

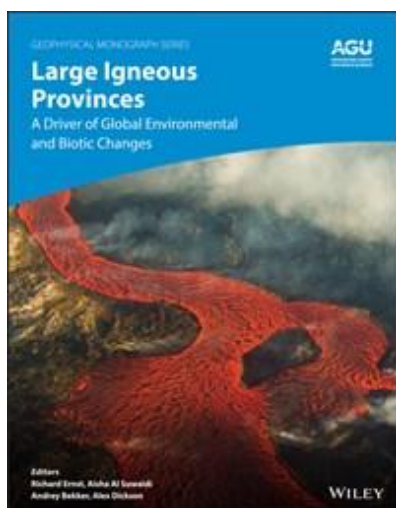
Byong H. Lee

### Summary

We are in a new era of fermentation and cell culture technologies in which novel techniques and expertise are fast evolving. Fermentation technologies now encompass a broad field which includes the more conventional microbial and enzyme systems that have many applications in the food, biochemical, biomaterial, bioenergy and pharmaceutical sectors. In addition, there has been a growth in new technologies such as genetic engineering, metabolic engineering/systems biology, protein engineering, animal and plant cell based techniques and some bioproducts produced by these new technologies are already successfully commercialized. The requirement for sustainable production of bioenergy and biomaterials is also demanding innovation and the development of novel fermentation concepts, and the continued introduction of new technology demands process development innovation in novel bioreactor design and scale up processes in cell culture systems.

### Contributor Bio

**Dr Byong H. Lee**, distinguished Professor, School of Biotechnology, Jiangnan University, Wuxi, China; and Affiliated Professor, Department of Food Science/Agricultural Chemistry, McGill University, Montreal, QC, Canada.



## Large Igneous Provinces

### A Driver of Global Environmental and Biotic Changes

Richard R. Ernst, Aisha Al Suwaidi, Andrey Bekker,...

#### Summary

#### Exploring the links between Large Igneous Provinces and dramatic environmental impact

An emerging consensus suggests that Large Igneous Provinces (LIPs) and Silicic LIPs (SLIPs) are a significant driver of dramatic global environmental and biological changes, including mass extinctions. Environmental changes caused by LIPs and SLIPs include rapid global warming, global cooling ('Snowball Earth'), oceanic anoxia events, mercury poisoning, atmospheric and oceanic acidification, and sea level changes.

Continued research to characterize the effects of these extremely large and typically short duration igneous events on atmospheric and oceanic chemistry through Earth history can provide lessons for understanding and mitigating modern climate change.

*Large Igneous Provinces: A Driver of Global Environmental and Biotic Changes* describes the interactions between the effects of LIPs and other drivers of climatic change, the limits of the LIP effect, and the atmospheric and oceanic consequences of LIPs in significant environmental events.

Volume highlights include:

- Temporal record of large igneous provinces (LIPs)
- Environmental impacts of LIP emplacement
- Precambrian, Proterozoic, and Phanerozoic case histories
- Links between geochemical proxies and the LIP record
- Alternative causes for environmental change
- Key parameters related to LIPs and SLIPs for use in environmental change modelling
- Role of LIPs in Permo-Triassic, Triassic-Jurassic, and other mass extinction events

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

John Wiley & Sons  
9781119507451  
Ship Date: 03/01/2021  
\$249.95/£151.00 UK/€170.90 EU  
Discount Code: P  
Hardcover

572 Pages  
Series: Geophysical Monograph Series



Wiley VCH  
 9783527345564  
 Ship Date: 25/11/2020  
 \$129.95/£125.00 UK/€141.30 EU  
 Discount Code: P  
 Hardcover

432 Pages

## Sustainable Food Packaging Technology

Athanassia Athanassiou

### Summary

The book deals with packaging solutions that use engineered biopolymers or biocomposites that have suitable physicochemical properties for food contact and protection and originate both from renewable or non-renewable resources, but in both cases are compostable or edible. Modified paper and cardboard with increased protective properties towards food while keeping their compostability are presented as well. The book also covers natural components that can make the packaging functional, e.g., by providing active protection to the food indicating food spoilage.

### Contributor Bio

Athanassia Athanassiou is Tenured Senior Researcher at the Istituto Italiano di Tecnologia in Genoa, Italy. After her PhD, obtained from the University of Salford, UK, she got a Postdoctoral Fellowship at the Institute of Electronic Structure and Lasers in Heraklion, Crete, Greece, where she was associated researcher. From 2006 to 2010 she was a Senior Researcher at the National Nanotechnology Laboratory of the CNR-Istituto di Nanoscienze in Lecce, Italy, and founded the group of Smart Materials at the Istituto Italiano di Tecnologia in Genoa in 2012. She has a broad range of experimental experience in fields such as development, processing & characterization of composite nanomaterials, smart materials responsive to external stimuli, laser-matter interactions, steady state/transient spectroscopy, surface science, and nanofabrication. She has published about 250 articles in refereed journals, she is the author or co-author several book chapters, she is the inventor of 20 patents, 12 of them already filed, and she has several oral and invited contributions to international conferences.

# Long-lived Proteins in Human Aging and Disease

Roger Truscott

No Image  
Available

## Summary

This comprehensive overview on an emerging topic in the molecular life sciences covers all aspects of the aging of (long-lived) proteins and their role in age-related diseases and in determining human lifespan.

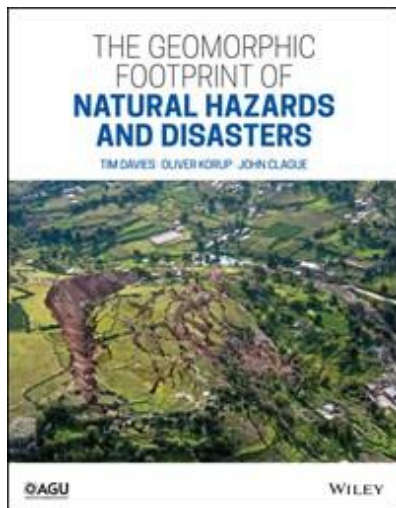
## Contributor Bio

Roger Truscott is a Research Professor at the Illawarra Health and Medical Research Institute, University of Wollongong. Having obtained his PhD at Melbourne University, he has spent most of his academic career working for the University of Sydney and the University of Wollongong. He has authored over 200 scientific publications. His main field of research is human aging with particular reference to age-related diseases, such as cataract. He has received numerous awards including a senior NHMRC fellowship and the National Foundation for Eye Research (USA) Cataract Research Award.

Wiley VCH  
9783527347285  
Ship Date: 25/11/2020  
\$165.00/£100.00 UK/€113.00 EU  
Discount Code: P  
Hardcover

216 Pages





## Engineering Geomorphology for the Sustainable Management of Natural Hazards

Tim Davies, Mauri McSaveney, Oliver Korup

Wiley-Blackwell  
 9781119990314  
 Ship Date: 10/12/2020  
 \$65.95/£39.95 UK/€45.20 EU  
 Discount Code: P  
 Paperback

352 Pages  
 Series: Wiley Works

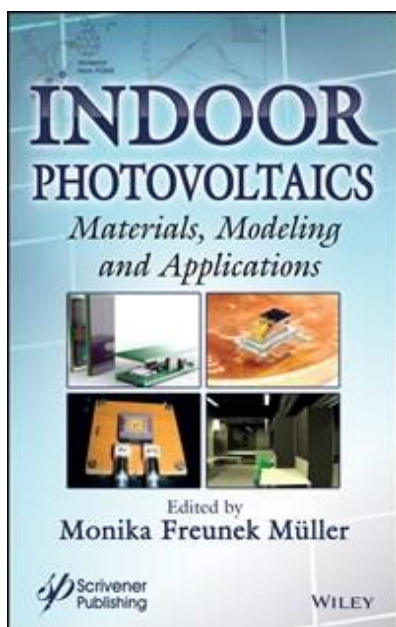
# **Engineering Geomorphology for the Sustainable Management of Natural Hazards**

Tim Davies, Mauri McSaveney, Oliver Korup

No Image  
Available

Wiley-Blackwell  
9781119990321  
Ship Date: 10/12/2020  
\$156.95/£95.00 UK/€107.40 EU  
Discount Code: P  
Hardcover

352 Pages  
Series: Wiley Works



Wiley-Scrivener  
9781119605591  
\$195.00  
Hardcover

290 Pages

## Indoor Photovoltaics

### Materials, Modeling, and Applications

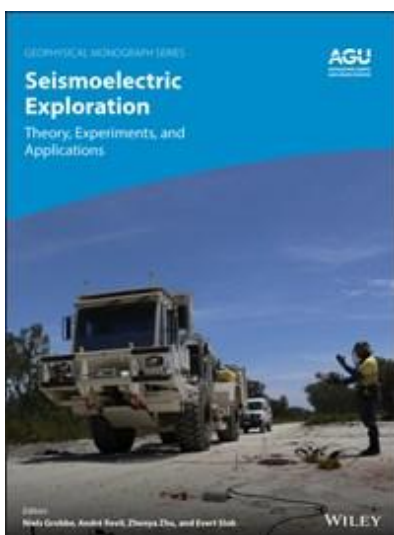
Monika Freunek Müller

#### Summary

Indoor photovoltaics (IPV) is the most promising power source for indoor electronic devices, especially sensor devices and edge nodes for the Internet of Things, and it will gain considerable interest due to the development of the field. This field of photovoltaics differs to other fields due to irradiance and spectral distribution conditions as well as the (close to) energy autarkic field conditions. The book provides the engineer and researcher with guidelines, provides a comprehensive overview over theoretical models, efficiencies, application design, and first available products.

#### Contributor Bio

**Monika Freunek Müller** studied Mechatronic and Product Engineering at the Universities of Applied Sciences of Bielefeld and Furtwangen, Germany from 2002-2006. After graduation and postdoctoral research at IBM Research Zurich, she worked as a researcher and co-founder of a start-up. Monika Freunek is now at BKW, Switzerland, as an energy specialist. Her main focus in research is modeling of energy and photovoltaic systems under different application conditions. She is an expert in indoor photovoltaics.



John Wiley & Sons  
 9781119127376  
 Ship Date: 23/12/2020  
 \$219.95/£167.00 UK/€188.00 EU  
 Discount Code: P  
 Hardcover

496 Pages  
 Series: Geophysical Monograph  
 Series

## Seismoelectric Exploration

### Theory, Experiments, and Applications

Niels Grobbe, André Revil, Zhenya Zhu, Evert Slob

#### Summary

##### Seismoelectric coupling and its current and potential future applications

The seismoelectric method—the naturally-occurring coupling of seismic waves to electromagnetic fields—can provide insight into important properties of porous media. With a variety of potential environmental and engineering uses, as well as larger scale applications such as earthquake detection and oil and gas exploration, it offers a number of advantages over conventional geophysical methods.

*Seismoelectric Exploration: Theory, Experiments, and Applications* explores the coupling between poroelastic and electromagnetic disturbances, discussing laboratory experiments, numerical modeling techniques, recent theoretical developments, and field studies.

Volume highlights include:

- Physics of the seismoelectric effect at the microscale
- Governing equations describing coupled seismo-electromagnetic fields
- Examples of successful seismoelectric field experiments in different geological settings
- Current and potential applications of seismoelectric coupling
- Noise removal techniques for seismoelectric field measurements

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

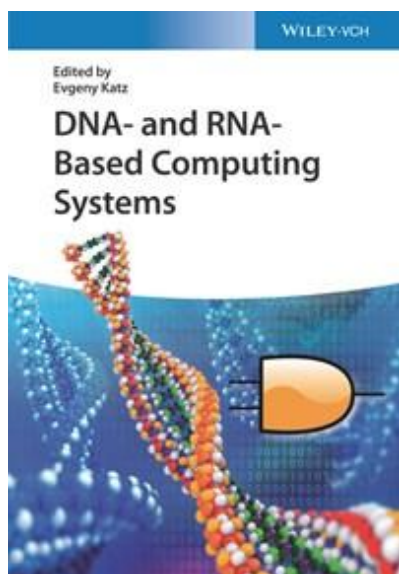
#### Contributor Bio

**Niels Grobbe**, University of Hawai'i at Mānoa, USA

**André Revil**, Université Savoie Mont-Blanc, France

**Zhenya Zhu**, Massachusetts Institute of Technology, USA

**Evert Slob**, Delft University of Technology, The Netherlands



Wiley VCH  
 9783527347209  
 Ship Date: 02/12/2020  
 \$203.34/£150.00 UK/€202.30 EU  
 Discount Code: P  
 Hardcover

450 Pages

## DNA- and RNA-Based Computing Systems

Evgeny Katz

### Summary

An authoritative overview of DNA- and RNA-based biocomputing systems that ties together advances in computer science, biotechnology, materials science and nanotechnology.

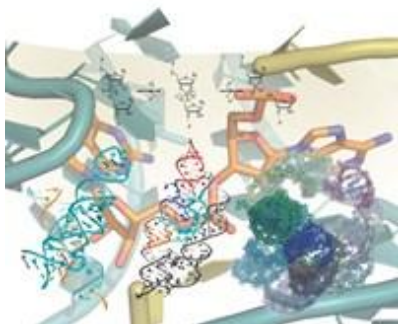
### Contributor Bio

Evgeny Katz received his Ph.D. in Chemistry from Frumkin Institute of Electrochemistry (Moscow), Russian Academy of Sciences, in 1983. He was a senior researcher in the Institute of Photosynthesis (Pushchino), Russian Academy of Sciences, in 1983-1991. In 1992-1993 he performed research at München Technische Universität (Germany) as a Humboldt fellow. Later, in 1993-2006, Dr. Katz was a Research Associate Professor at the Hebrew University of Jerusalem. Since 2006 he is Milton Kerker Chaired Professor at the Department of Chemistry and Biomolecular Science, Clarkson University, NY (USA). His scientific interests are in the broad areas of bioelectronics, biosensors, biofuel cells, and biomolecular information processing.

WILEY-VCH

Edited by Sabine Müller, Benoît Masquida,  
and Wade Winkler

# Ribozymes



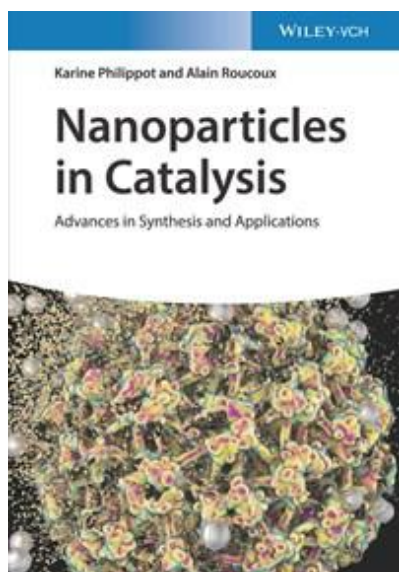
## Ribozymes

### 2 Volume Set

Sabine Müller, Benoît Masquida, Wade Winkler

Wiley VCH  
9783527344543  
Ship Date: 02/12/2020  
\$445.00/£275.00 UK/€310.80 EU  
Hardcover

788 Pages



Wiley VCH  
 9783527346073  
 Ship Date: 02/12/2020  
 \$195.98/£135.00 UK/€152.60 EU  
 Discount Code: P  
 Hardcover

520 Pages

## Nanoparticles in Catalysis

### Advances in Synthesis and Applications

Karine Philippot, Alain Roucoux

#### Summary

Written by an international team of leaders in the field, the book covers recent advances and new tools for the efficient synthesis of metal nanoparticles and their application in important catalytic reactions.

#### Contributor Bio

Karine Philippot is a senior CNRS researcher and head of the team "Engineering of Metal Nanoparticles" at the Laboratory of Coordination Chemistry of Toulouse (France). Her current research interests concern the synthesis of metal nanoparticles and composite nanomaterials by using molecular chemistry concepts for their application in colloidal or supported catalysis and in the domain of energy. She is the co-author of 160 scientific publications, 9 book chapters, 6 patents, and co-editor of the book "Nanomaterials in Catalysis" (2013, Wiley-VCH).

Alain Roucoux is full professor at the École Nationale Supérieure de Chimie de Rennes (France) and head of the "Nanocatalysis" group at the Institut des Sciences Chimiques de Rennes. His research is focused on the synthesis of noble and transition metal nanoparticles in water for surface reactivity in polyphasic catalysis. He is the author of 100 international scientific publications, 5 book chapters, and 9 patents.



# Handbook of Water Harvesting and Conservation

Saeid Eslamian

No Image  
Available

Wiley-Blackwell  
9781119478959  
Ship Date: 03/12/2020  
\$295.00/£225.00 UK/€254.30 EU  
Discount Code: P  
Hardcover

528 Pages  
Series: New York Academy of  
Sciences



Wiley-Blackwell  
 9781119978282  
 Ship Date: 03/12/2020  
 \$135.00/£105.00 UK/€118.70 EU  
 Discount Code: P  
 Hardcover

512 Pages

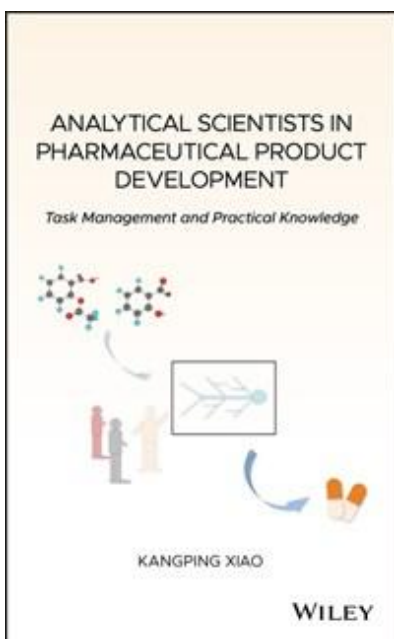
## Analytical Techniques in Forensic Science

Rosalind Wolstenholme, Sue Jickells, Shari Forbes

### Summary

*Analytical Techniques in Forensic Science* looks at the interface between analytical chemistry and, primarily, trace evidence in forensic science. Each section includes an introduction to the area followed by laboratory techniques grouped by shared operating principles. Incorporating specific theory, application to forensic analytes, interpretation, forensic specific developments and case studies, coverage of each technique is clear and comprehensive.

Techniques covered include UV-Vis and vibrational spectroscopy, mass spectrometry and gas and liquid chromatography. The applications include evidence types such as fibres, paint, drugs and explosives. Carefully structured throughout, each chapter carries a section on interpretation and includes relevant case examples where appropriate. In order to develop the discussion more fully focus is placed on data collection, subsequent analysis, what information has been obtained and what this means in the context of a case. This process can be markedly different in the forensic arena compared to other disciplines and dependent on the case severity and/or budget. Further, the developments section in each chapter will explore novel and future applications for analytical techniques highlighting the problem solving nature of much of forensic analysis; 'this is the state/amount of material we have, this is the information we want to get from it, which technique can we use or do we need to develop a new method?'.



## Analytical Scientists in Pharmaceutical Product Development

### Task Management and Practical Knowledge

Kangping Xiao

#### Summary

This book explains task management concepts and outlines practical knowledge to help pharmaceutical analytical scientists become productive and enhance their career.

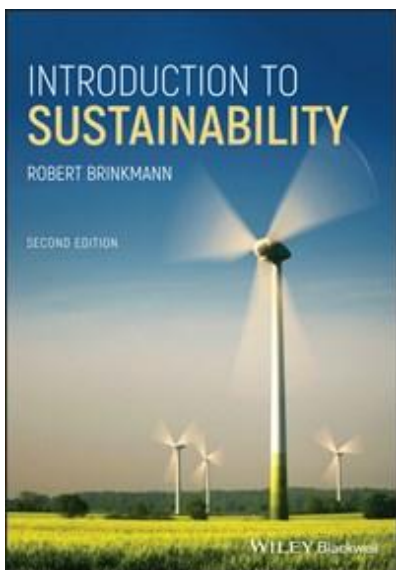
- Presents broad topics such as product development process, regulatory requirement, task and project management, innovation mindset, molecular recognition, separation science, degradation chemistry, and statistics.
- Provokes thinking through figures, tables, and case studies to help understand how the various functions integrate and how analytical development can work efficiently and effectively by applying science and creativity in their work.
- Discusses how to efficiently develop a fit-for-purpose HPLC method without screening dozens of columns, gradients, or mobile phase combinations each time, since the extra effort may not provide enough of a benefit to justify the cost and time in a fast-paced product development environment.

#### Contributor Bio

**Kangping Xiao** - Head of Analytical Development, Bayer Consumer Health R&D in NJ. His team plays critical roles in new product development such as the launch of Aleve PM, Claritin Cool Mint Chewables, and various Aspirin containing products globally. Bachelor of Science Wuhan University, Ph.D. University of Tokyo, Postdoctoral Michigan State University and University of Michigan.

Wiley-Blackwell  
9781119547822  
Ship Date: 03/12/2020  
\$115.00/£87.50 UK/€98.30 EU  
Discount Code: P  
Hardcover

268 Pages



Wiley-Blackwell  
 9781119675464  
 Ship Date: 10/12/2020  
 \$70.00/£54.99 UK/€62.20 EU  
 Discount Code: P  
 Paperback

352 Pages

## **Introduction to Sustainability (2nd Edition)**

Robert Brinkmann

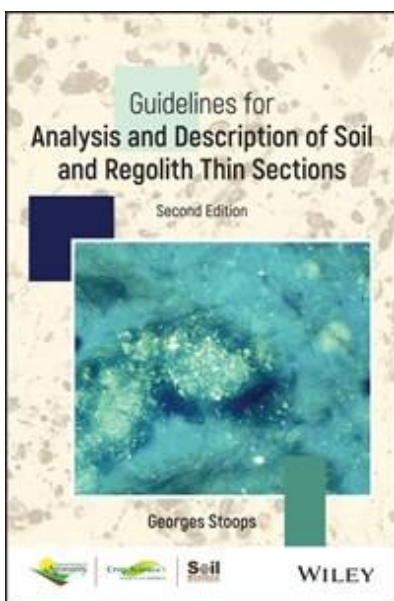
### **Summary**

*Introduction to Sustainability*, Second Edition, reviews all the major themes in the cutting-edge field of sustainability. The book is suitable for introductory interdisciplinary courses on sustainability, as well as those in the fields of geography, geology, sociology, planning, political science, and anthropology. Allowing students to see the world in new ways while also encouraging them to become part of the change needed to ensure the long-term sustainability of the planet, this book is an invaluable introduction to this multifaceted and ever-changing subject.

Now fully revised and updated, this second edition includes new material on the most recent developments in the field of sustainability; environmental sustainability issues like water, food, and energy; social sustainability themes like environmental justice and transportation; and economic sustainability topics like green businesses and economic development. The book concludes with a chapter on sustainability issues in college and universities. Brinkmann intersperses many fascinating case studies and text boxes that encourage students to deeply explore the material. This is a book that not only organizes the complex field of sustainability, but also encourages students to take action to make the world a better place.

### **Contributor Bio**

Robert (Bob) Brinkmann is the Dean of the College of Liberal Arts and Sciences at Northern Illinois University and is the author of many books and research articles in the field of sustainability. Bob has served as an officer in many organizations including Chair of the Board of the National Cave and Karst Research Institute.



## Guidelines for Analysis and Description of Regolith Thin Sections (2nd Edition)

Georges Stoops

### Summary

George Stoops, a world expert on thin section analysis, presents the most up-to-date system of analysis and description of soil and regolith materials as seen in thin sections. Scientists and students from archaeology to pedology will appreciate the introduction of micromorphology, the thorough treatment of all features that may be encountered, and especially the convenient system to key out those features. Bulleted lists and set-off definitions make this book work well in class and as a lab reference.

Wiley-Blackwell  
 9780891189756  
 Ship Date: 13/12/2020  
 \$70.00/£53.50 UK/€59.90 EU  
 Discount Code: P  
 Paperback

Series: ASA, CSSA, and SSSA  
 Books



## 80th Conference on Glass Problems

S. K. Sundaram

### Summary

The 80th Glass Problem Conference (GPC) was organized by the Kazuo Inamori School of Engineering, The New York State College of Ceramics, Alfred University, Alfred, NY 14802 and The Glass Manufacturing Industry Council (GMIC), Westerville, OH 43082. The Program Director was S. K. Sundaram, Inamori Professor of Materials Science and Engineering, Kazuo Inamori School of Engineering, The New York State College of Ceramics, Alfred University, Alfred, NY 14802. The Conference Director was Robert Weisenburger Lipetz, Executive Director, Glass Manufacturing Industry Council (GMIC), Westerville, OH 43082. The GPC Advisory Board (AB) included the Program Director, the Conference Director, and several industry representatives. The Board assembled the technical program. Donna Banks of the GMIC coordinated the events and provided support. The Conference started with a half-day plenary session followed by technical sessions. The themes and chairs of four technical sessions were as follows:

#### Melting and Combustion

Uyi Iyoha, Praxair, Inc., Peachtree City, GA, Jan Schep, Owens-Illinois, Inc., Perrysburg, OH, and Justin Wang, Guardian Industries, Auburn Hills, MI

#### Batch, Environmental, and Modeling

Phil Tucker, Johns Manville, Littleton, CO and Chris Tournour, Corning Inc., Corning, NY

#### Refractories

Larry McCloskey, Anchor Acquisition, LLC, Lancaster, OH and Eric Dirlam, Ardagh Group, Muncie, IN

#### Sensors and Control

Adam Polycn, Vitro Architectural Glass, Cheswick, PA and Glenn Neff, Glass Service USA, Inc., Stuart, FL

Wiley-American Ceramic Society  
9781119744900  
\$250.00  
Hardcover  
300 Pages  
Series: Ceramic Transactions  
Series

## The Greening of Pharmaceutical Engineering

### Applications for Physical Disorder Treatments

M. R. Islam

No Image  
Available

#### Summary

This fourth volume in a four-volume set rounds out the set by offering new theories and applications for the diagnosis and treatment of physical disorders. Having laid the groundwork in the first three volumes, the authors now embark on significant, real-life scenarios that apply their philosophy to physical disorder treatments, after covering mental disorders in volume three. The goal of the project is to take the industry toward sustainability, not just in terms of the chemical engineering used to create medicines, but also environmentally, economically, and personally. Their unique approach uses a more holistic and philosophically cohesive method for treating mental disorders, making the industry “greener” and the patient healthier.

The four volumes in “The Greening of Pharmaceutical Engineering” are:

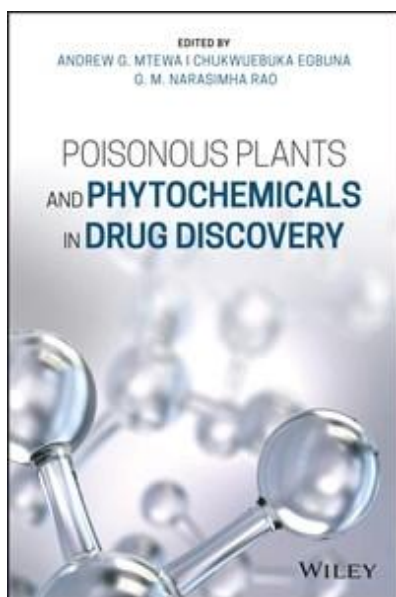
- *Volume 1: Practice, Analysis, and Methodology*
- *Volume 2: Theories and Solutions*
- *Volume 3: Applications for Mental Disorder Treatments*
- *Volume 4: Applications for Physical Disorder Treatments*

This ground-breaking set of books is a unique and state-of-the-art study that only appears here, within these pages. A fascinating study for the engineer, scientist, and pharmacist working in the pharmaceutical industry and interested in sustainability, it is also a valuable textbook for students and faculty studying these subjects.

John Wiley & Sons  
9781119183778  
Ship Date: 16/12/2020  
\$225.00/£170.00 UK/€192.40 EU  
Discount Code: P  
Hardcover

500 Pages





## Poisonous Plants and Phytochemicals in Drug Discovery

Andrew G. Mtewa, Chukwuebuka Egbuna, G. M. Narasim...

### Summary

Focusing on phytochemicals and their potential for drug discovery, this book offers a comprehensive resource on poisonous plants and their applications in chemistry and in pharmacology.

- Provides a comprehensive resource on phytotoxins, covering historical perspectives, modern applications, and their potential in drug discovery
- Covers the mechanisms, benefits, risks and management protocols of phytotoxins in a scientific laboratory and the usefulness in drug discovery
- Presents chapters in a carefully designed, clear order, making it an ideal resource for the academic researcher or the industry professional at any stage in their career

Wiley-Blackwell  
 9781119650232  
 Ship Date: 16/12/2020  
 \$195.00/£150.00 UK/€166.70 EU  
 Discount Code: P  
 Hardcover

416 Pages

**Waste Plastics**  
**An Alternative Source of Energy**  
Prakash Parthasarathy

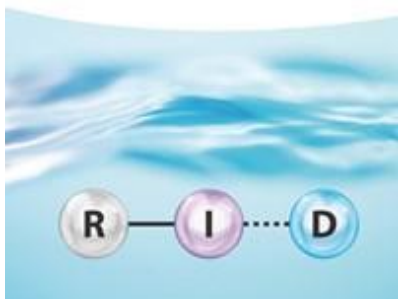
No Image  
Available

John Wiley & Sons  
9781119460114  
Ship Date: 16/12/2020  
\$225.00/£170.00 UK/€192.40 EU  
Discount Code: P  
Hardcover  
300 Pages

WILEY-VCH

Edited by Stefan Huber

## Halogen Bonding in Solution



## Halogen Bonding in Solution

Stefan Huber

### Summary

This unique book highlights recent developments in halogen bonding in solution, including applications in organic synthesis, biochemistry, and electrochemistry.

### Contributor Bio

Stefan Huber is associate professor of organic chemistry at Ruhr-University Bochum, Germany, since 2014. His research interest is the development of applications for halogen bonding and chalcogen bonding in solution, with a strong focus on organocatalysis and molecular recognition. He has, inter alia, received an ERC Starting Grant, the Hoechst Dozentenpreis by the Aventis Foundation and the Robert-Sauer-Prize of the Bavarian Academy of Sciences.

Wiley VCH  
 9783527347315  
 Ship Date: 16/12/2020  
 \$190.00/£115.00 UK/€130.00 EU  
 Discount Code: P  
 Hardcover

392 Pages

## Heterogeneous Catalysts

### Advanced Design, Characterization and Applications

Wey Yang Teoh, Atsushi Urakawa, Yun Hau Ng, Patric...

No Image  
Available

#### Summary

**Presents state-of-the-art knowledge of heterogeneous catalysts including new applications in energy and environmental fields**

This book focuses on emerging techniques in heterogeneous catalysis, from new methodology for catalysts design and synthesis, surface studies and operando spectroscopies, ab initio techniques, to critical catalytic systems as relevant to energy and the environment. It provides the vision of addressing the foreseeable knowledge gap unfilled by classical knowledge in the field.

*Heterogeneous Catalysts: Advanced Design, Characterization and Applications* begins with an overview on the evolution in catalysts synthesis and introduces readers to facets engineering on catalysts; electrochemical synthesis of nanostructured catalytic thin films; and bandgap engineering of semiconductor photocatalysts. Next, it examines how we are gaining a more precise understanding of catalytic events and materials under working conditions. It covers bridging pressure gap in surface catalytic studies; tomography in catalysts design; and resolving catalyst performance at nanoscale via fluorescence microscopy. Quantum approaches to predicting molecular reactions on catalytic surfaces follows that, along with chapters on Density Functional Theory in heterogeneous catalysis; first principles simulation of electrified interfaces in electrochemistry; and high-throughput computational design of novel catalytic materials. The book also discusses embracing the energy and environmental challenges of the 21st century through heterogeneous catalysis and much more.

- Presents recent developments in heterogeneous catalysis with emphasis on new fundamentals and emerging techniques
- Offers a comprehensive look at the important aspects of heterogeneous catalysis
- Provides an applications-oriented, bottoms-up approach to a high-interest subject that plays a vital role in industry and is widely applied in areas related to energy and environment

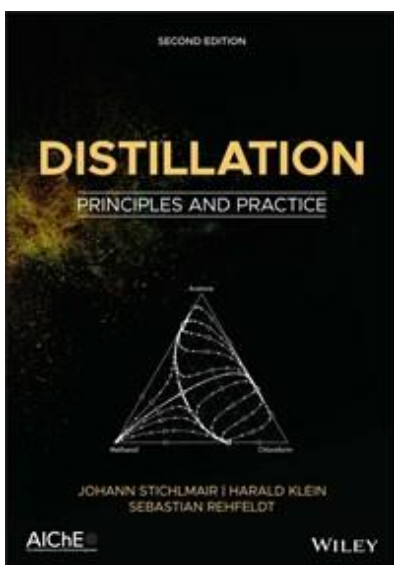
*Heterogeneous Catalysts: Advanced Design, Characterization and Applications* is an important book for catalytic chemists, materials scientists, surface chemists, physical chemists, inorganic chemists, chemical engineers, and other professionals working in the chemical industry.

#### Contributor Bio

Wey Yang Teoh is Associate Professor in the School of Energy and Environment at the City University of Hong Kong, China. After his PhD in Chemical Engineering from The University of New South Wales, Australia, he worked as a Research Associate at the Australia Research Council (ARC) Centre of Excellence for Functional Nanomaterials. During that time he was awarded the ARC Australian Postdoctoral Fellow. He is also the recipient of the Joseph Wang Award in Nanomaterials in 2016. His research interests focus on energy and environmental-related heterogeneous catalysis and he published more than 60 scientific papers.

Atsushi Urakawa is Professor at Institute of Chemical Research of Catalonia (ICIQ), The Barcelona Institute of Science and Technology, Spain. He obtained his PhD from Eidgenössische Technische Hochschule (ETH) Zurich, Switzerland. After several years working as Senior Scientist/Lecturer at ETH Zurich, he joined ICIQ as Group Leader where he leads a research group with particular emphasis on heterogeneous catalysis and operando spectroscopy. He serves as the committee members of synchrotron

Wiley VCH  
9783527344154  
Ship Date: 16/12/2020  
\$405.00/£250.00 UK/€282.50 EU  
Discount Code: P  
Hardcover  
768 Pages



## **Distillation** (2nd Edition)

### **Principles and Practice**

Johann G. Stichlmair, Harald Klein, Sebastian Rehf...

### **Summary**

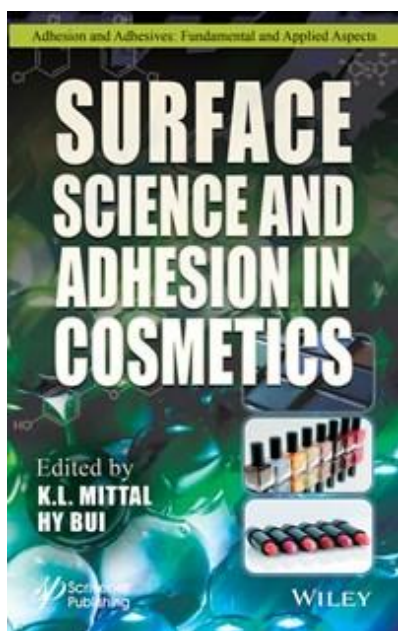
**Distillation Principles and Practice Second Edition** covers all the main aspects of distillation including the thermodynamics of vapor/liquid equilibrium, the principles of distillation, the synthesis of distillation processes, the design of the equipment, and the control of process operation.

Most textbooks deal in detail with the principles and laws of distilling binary mixtures. When it comes to multi-component mixtures, they refer to computer software nowadays available. One of the special features of the second edition is a clear and easy understandable presentation of the principles and laws of ternary distillation. The right understanding of ternary distillation is the link to a better understanding of multi-component distillation. Ternary distillation is the basis for a conceptual process design, for separating azeotropic mixtures by using an entrainer, and for reactive distillation, which is a rapidly developing field of distillation.

Another special feature of the book is the design of distillation equipment, i.e. tray columns and packed columns. In practice, empirical know-how is preferably used in many companies, often in form of empirical equations, which are not even dimensionally correct. The objective of the proposed book is the derivation of the relevant equations for column design based on first principles. The field of column design is permanently developing with respect to the type of equipment used and the know-how of two-phase flow and interfacial mass transfer.

Wiley-Blackwell  
9781119414667  
Ship Date: 20/12/2020  
\$195.00/£148.00 UK/€166.60 EU  
Discount Code: P  
Hardcover

688 Pages



## Surface Science and Adhesion in Cosmetics

K. L. Mittal, Hy Bui

### Summary

Activity in the arena of surface chemistry and adhesion aspects in cosmetics is substantial, but the information is scattered in many diverse publications media and no book exists which discusses surface chemistry and adhesion in cosmetics in unified manner.

This book containing 15 chapters written by eminent researchers from academia and industry is divided into three parts: Part 1: General Topics; Part 2: Surface Chemistry Aspects; and Part 3: Wetting and Adhesion Aspects. The topics covered include: Lip biophysical properties and characterization; use of advanced silicone materials in long-lasting cosmetics; non-aqueous dispersions of acrylate copolymers in lipsticks; cosmetic oils in Lipstick structure; chemical structure of the hair surface, surface forces and interactions; AFM for hair surface characterization; application of AFM in characterizing hair, skin and cosmetic deposition; SIMS as a surface analysis method for hair, skin and cosmetics; surface tensiometry approach to characterize cosmetic products; spreading of hairsprays on hair; color transfer from long-wear face foundation products; interaction of polyelectrolytes and surfactants on hair surfaces; cosmetic adhesion to facial skin; and adhesion aspects in semi-permanent mascara; lipstick adhesion measurement.

John Wiley & Sons  
9781119654827  
Ship Date: 20/12/2020  
\$225.00/£171.00 UK/€192.30 EU  
Discount Code: P  
Hardcover

400 Pages

## Population Genetics (2nd Edition)

Matthew Hamilton

No Image  
Available

### Summary

Now updated for its second edition, *Population Genetics* is the classic, accessible introduction to the concepts of population genetics.

Now updated for its second edition, *Population Genetics* is the classic, accessible introduction to the concepts of population genetics. Combining traditional conceptual approaches with classical hypotheses and debates, the book equips students to understand a wide array of empirical studies that are based on the first principles of population genetics.

Featuring a highly accessible introduction to coalescent theory, as well as covering the major conceptual advances in population genetics of the last two decades, the second edition now also includes end of chapter problem sets and revised coverage of recombination in the coalescent model, metapopulation extinction and recolonization, and the fixation index.

Wiley-Blackwell  
9781118436943  
Ship Date: 22/12/2020  
\$99.99/£75.95 UK/€85.50 EU  
Discount Code: P  
Hardcover

496 Pages



WILEY-VCH

Edited by Günter Beyer

# The Global Cable Industry

Materials, Markets, Products



Wiley VCH  
 9783527346271  
 Ship Date: 23/12/2020  
 \$174.00/£125.00 UK/€141.30 EU  
 Discount Code: P  
 Hardcover

384 Pages

## The Global Cable Industry

**Materials, Markets, Products**

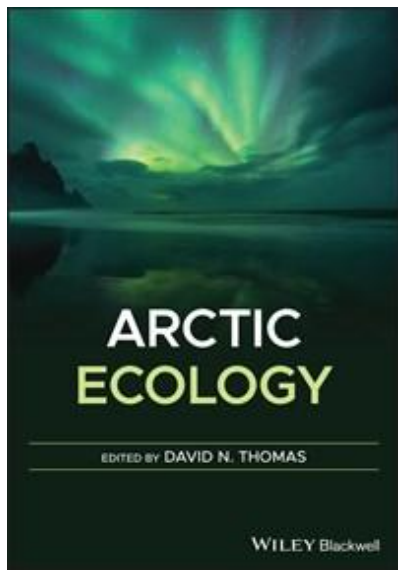
Günter Beyer

### Summary

The book gives an overview of the state-of-the-art for automotive cables, nuclear power station cables, undersea cables, coaxial cables, optical wires, medium- and high-voltage cables. It presents material developments for polymers, crosslinked elastomers and flame retardant non-halogen cable compounds. In addition, technologies to crosslink polymers, an overview of foam polymers and field experiences of the new cable fire test within the CPR (Construction Product Regulation) framework are presented. The book also reviews economic questions related to the cable industry with a focus on materials, market segments and countries.

### Contributor Bio

Dr. rer. nat Günter Beyer is Manager of the physical and chemical laboratories at Kabelwerk EUPEN AG (Belgium). He received his PhD in organic chemistry and photochemistry in 1984 from RWTH Aachen University (Germany) and started to work at Kabelwerk Eupen in the same year. Since 1996 he is responsible for the R&D activities for material development and heads the chemical-physical laboratory. With more than 30 years of experience in polymer science and applications, Dr. Beyer is regularly acting as chairman and speaker at many international conferences, especially in the field of flame retardancy, nanocomposites and polymer science. In 2003 and also in 2004 he received the Jack Spergel Memorial Award for his fundamental work on nanocomposites by organoclays and carbon nanotubes as new classes of flame retardants for polymers.

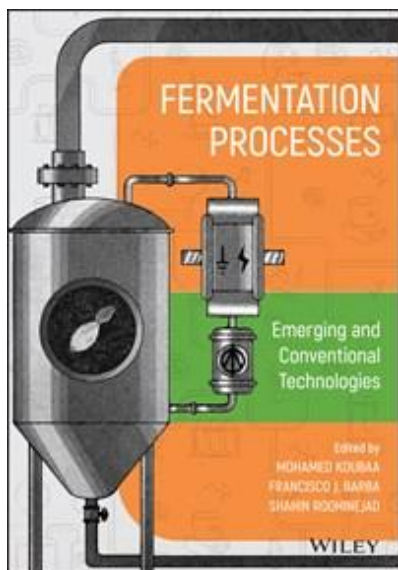


## Arctic Ecology

David N. Thomas

Wiley-Blackwell  
9781118846544  
Ship Date: 11/02/2021  
\$60.00/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover

350 Pages



Wiley-Blackwell  
9781119505853  
Ship Date: 25/02/2021  
\$190.00/£150.00 UK/€169.50 EU  
Discount Code: P  
Hardcover

324 Pages

## Fermentation Processes: Emerging and Conventional Technologies

### Application of Conventional and Emerging Technologies

Mohamed Koubaa, Francisco Barba, Shahin Roohinejad

### Summary

*Fermentation Processes: Emerging and Conventional Technologies* is focused on enhancing fermentation processes under conventional and non conventional conditions.

The application of emerging technologies (e.g. ultrasounds, pulsed electric fields, microwaves, etc.) to increase the accessibility and bioavailability of the substrates by microorganisms during fermentation has been demonstrated through numerous research works. These technologies have the advantages over conventional ones (e.g. grinding) of consuming less energy, reducing the processing time, along with using less and "green" solvents. Increasing the accessibility of the substrates has as a consequence an improved availability for the microorganisms and therefore enhanced productivity. The application of these non-conventional (emerging) technologies could be at sub-lethal levels before (inoculum) or during the fermentation process, also called as microbial stimulation, which increases the assimilation of substrates, release of enzymes in the medium for substrate hydrolysis, and other benefits. All together, lead to promote the microbial growth, and enhance the fermentation process. In addition to the application of emerging technologies, enhancing fermentation at conventional conditions by changing the medium composition, processing parameters, etc. are also discussed.

### Contributor Bio

**Dr Mohamed Koubaa**, Assistant Professor, Ecole Supérieure de Chimie Organique et Minérale, Compiègne, France. His research focus is on non-conventional processing (use of pulsed electric fields, ultrasounds, microwaves, etc) for the extraction of bioactive compounds and enhancing fermentation processes.

**Dr Francisco J. Barba**, Assistant Professor, University of Valencia, Spain. His research focus is on non-thermal processing for preservation and/or extraction of bioactive compounds from liquid and solid foods.

**Dr Shahin Roohinejad**, Alexander von Humboldt Foundation Postdoctoral Research Fellow, Max Rubner-Institut, Karlsruhe, Germany. In the last 10 years he has worked on different food areas such as emulsion-based systems, emerging food processing, nanotechnology, and functional foods.

**Structural Analysis and Synthesis** (4th Edition)  
**A Laboratory Course in Structural Geology**  
Stephen M. Rowland, Ernest M. Duebendorfer

No Image  
Available

Wiley-Blackwell  
9781119535454  
Ship Date: 24/12/2020  
\$70.00/£49.95 UK/€56.50 EU  
Discount Code: P  
Paperback  
320 Pages



Wiley VCH  
 9783527345120  
 Ship Date: 30/12/2020  
 \$175.00/£110.00 UK/€124.30 EU  
 Discount Code: P  
 Hardcover

240 Pages

## Lead-Free Piezoelectric Materials

Jing-Feng Li

### Summary

The book provides an in-depth overview of principles, material systems and applications of lead-free piezoelectric materials. It starts with the fundamentals of piezoelectricity and lead-free piezoelectrics. Then it discusses five representative lead-free piezoelectric material systems from background introduction to crystal structures and properties. Finally, it presents several applications of lead-free piezoelectrics including piezoelectric actuators and transducers. The challenges for promoting applications will also be discussed.

### Contributor Bio

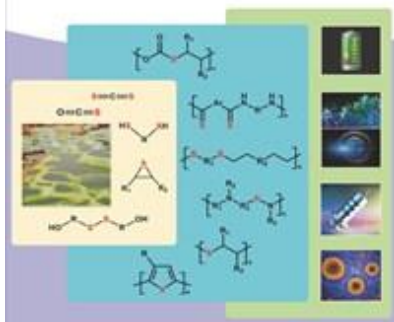
Jing-Feng Li is Distinguished Professor in the School of Materials Science and Engineering at Tsinghua University, China. He obtained his PhD degree from Tohoku University, Japan. After working for ten years at Tohoku University, he joined the School of Materials Science and Engineering at Tsinghua University as a full professor in 2002 and served as vice dean from 2005 to 2016. His research focuses on piezoelectric, thermoelectric materials and devices. He has published two Chinese books and more than 370 peer-reviewed papers and holds 25 patents. He received several awards, including the young researcher award from the Japan Institute of Metals, an outstanding young scientist grant from Natural Science Foundation of China and the Changjiang professorship from The Ministry of Education of China.

WILEY-VCH

Edited by Xinghong Zhang and Patrick Theato

# Sulfur-Containing Polymers

From Synthesis to Functional Materials



Wiley VCH  
9783527346707  
Ship Date: 30/12/2020  
\$171.77/£125.00 UK/€145.00 EU  
Discount Code: P  
Hardcover

446 Pages

## Sulfur-containing Polymers From Synthesis to Functional Materials

Xinghong Zhang

### Summary

This book focuses on the state-of-the-art synthesis of various sulfur-containing polymers from low-cost sulfur resources such as elemental sulfur, carbon disulfide (CS<sub>2</sub>), carbonyl sulfide (COS) and mercaptan. In-depth mechanistic understanding related to the synthesis is presented in each chapter. Importantly, various types of sulfur-containing polymers, including poly(thioester)s, poly(thioether)s and poly(thiocarbonate)s and poly(thiourethane)s with linear or hyperbranched (dendrimer) architectures have also been included. The structure-property relationship and applications of sulfur-containing polymers are also presented. This book provides the latest developments of sulfur-containing polymers in a timely manner, which will be beneficial for both fundamental research and application-oriented development in this area.

### Contributor Bio

Xing-Hong Zhang is the Deputy Dean of Department of Polymer Science and Engineering, Zhejiang University. He received his B. S. degree (2000) from Fuyang Teachers College and M. Eng. degree (2003) from Shantou University. In 2003, he joined Professor Guo-Rong Qi's group at Zhejiang University, where he received his PhD degree in 2006. He then became Associate Professor and full professor at the end of 2009, 2016, respectively at Zhejiang University. During 2012-2013, he worked as a visiting scholar at Dr. Jeffrey S. Moore's group at Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign. His current research interest focuses on the synthesis and catalysis of sulfur-containing polymers and polycarbonates. He has published 80+ peer-reviewed papers and held 20 authorized Chinese invention patents and 2 authorized U.S. patents.

Patrick Theato is Full Professor at Karlsruhe Institute of Technology (KIT), Germany. He studied chemistry at Mainz (Germany) and Amherst (USA), and received his Ph.D. in 2001 from the University of Mainz with Prof. R. Zentel. After postdoctoral research with Prof. D.Y. Yoon (Seoul National University, Korea) and Prof. C.W. Frank (Stanford University, USA), he joined the University of Mainz as a young faculty member and completed his Habilitation in 2007. From 2009 to 2012 he held a joint appointment with the School of Chemical and Biological Engineering at Seoul National University within the World Class University program. In 2011 he accepted a prize senior lectureship at the University of Sheffield, UK. Shortly after he moved to University of Hamburg, Germany. From 2011 to 2017, he is Associate Professor for Polymer Chemistry at University of Hamburg. Since 2018, he becomes full professor at KIT. His current research interests mainly focus on the synthesis of precisely tailored polymers.

## The Chemistry of Organoboron Compounds

Mark Gandelman, Ilan Marek, Joel F. Liebman, Zvi R...

No Image  
Available

### Summary

The understanding of functional groups is the key to understanding organic chemistry. In the tradition of Patai's Chemistry of Functional Groups each volume treats all aspects of functional groups, touching on theoretical, analytical, synthetic, biological, and industrial aspects..

Organoboron compounds are widely used as highly efficient reagents in a growing number of reactions, including cross-coupling and radical reactions. Organoboron derivatives are also found in highly temperature-resistant polymers, and in high-performance electronic and sensor materials. The present volume is the first in the series to survey the properties and chemical behavior of organoboron compounds, their use in organic synthesis, as well as their commercial application..

As with all new volumes, the chapters are first published online in Patai's Chemistry of Functional Groups. Once a volume is completed online, it is then published in print format. The printed book offers the traditional quality of the Patai Book Series, complete with an extensive index.

Wiley-Blackwell  
9781119518044  
Ship Date: 31/12/2020  
\$1,402.50/£850.00 UK/€960.50  
EU  
Discount Code: P  
Hardcover

1062 Pages  
Series: Patai's Chemistry of  
Functional Groups



**Genetic Disorders and the Fetus**  
**Diagnosis, Prevention and Treatment**  
Aubrey Milunsky, Jeff M. Milunsky

No Image  
Available

Wiley-Blackwell  
9781119676935  
Ship Date: 31/12/2020  
\$290.00/£230.00 UK/€259.90 EU  
Hardcover  
1216 Pages

# Innovative Processing Technologies for Healthy Grains

Milica Pojic, Uma Tiwari

No Image  
Available

## Summary

Cereals and pseudocereals are widely grown throughout the world and their dietary and economic importance is globally appreciated and recognised. For this reason, the FAO forecasted about 15 million tonnes in the year 2016/17. Today, the grain processing industry has diverse range of products and most of the grains are processed for convenience and better utilization of the grains as whole. Nowadays, increased consumer interest towards processed foods, for its convenience purpose and readily available nutritious food products, create a constant demand to increase industrialisation for processing of these grains. This demands the food manufactures to pose different processing challenges to food manufacturers.

The book is structured to cover all aspects of innovative cereal/pseudocereal processing, from the selection of raw materials to novel trends in cereals/pseudocereals use and consumption and the environmental impact. The content of the book is divided into four main parts:

Introduction

I RAW MATERIALS

II PROCESSING TECHNOLOGIES

III NOVEL CEREAL-BASED PRODUCTS

IV GLOBAL TRENDS IN THE CEREAL USE, PROCESSING AND CONSUMPTION

Each part of the book contains several chapters reflecting the topic with one common key focus: innovation and innovative trends.

Wiley-Blackwell  
9781119470168  
Ship Date: 31/12/2020  
\$155.00/£120.00 UK/€135.60 EU  
Discount Code: P  
Hardcover

256 Pages  
Series: IFST Advances in Food  
Science



## Biobased Packaging

Salit Mohd Sapuan, Rushdan Ahmad Ilyas, Christian ...

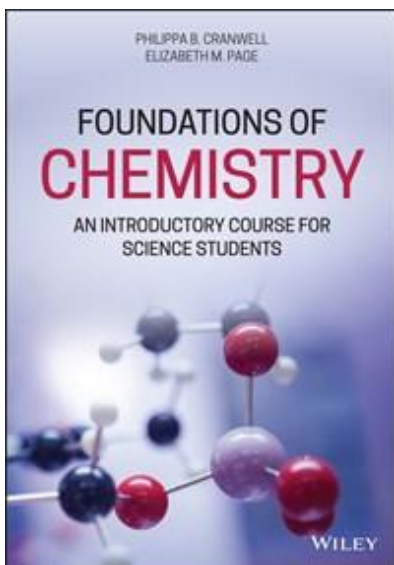
### Summary

Presents a holistic view of biobased packaging including preparation and characterization of different biobased packaging materials, environmental issues and economic considerations.

- Strong focus on materials applications and industrial relevance, with consideration of economic, environmental and sustainability aspects
- Biobased materials have attracted great deal of interest as sustainable, environmentally-friendly alternatives to conventional petroleum-based plastics for packaging applications
- Sustainable packaging is a field of global interest with huge potential environmental benefits
- Part of the successful Wiley Series in Renewable Resources

Wiley-Blackwell  
9781119381075  
Ship Date: 31/12/2020  
\$200.00/£157.50 UK/€178.00 EU  
Discount Code: P  
Hardcover

560 Pages  
Series: Wiley Series in Renewable  
Resource



Wiley-Blackwell  
 9781119513872  
 Ship Date: 31/12/2020  
 \$60.00/£47.50 UK/€53.70 EU  
 Discount Code: P  
 Paperback

576 Pages

## Foundations of Chemistry

### An Introductory Course for Science Students

Elizabeth Page, Philippa B. Cranwell

#### Summary

**A foundation-level guide to chemistry for physical, life sciences and engineering students**

*Foundations of Chemistry: An Introductory Course for Science Students* fills a gap in the literature to provide a basic chemistry text aimed at physical, life sciences and engineering students. The authors, noted experts on the topic, offer concise explanations of chemistry theory and the principles that are typically reviewed in most one year foundation chemistry courses and first year degree-level chemistry courses for non-chemists.

The authors also include illustrative examples and information on the most recent applications in the field. *Foundations of Chemistry* is an important text that:

- Covers the essential topics in a one-year chemistry course
- Draws on recent applications and examples
- Offers a much-needed guide to chemistry for science students.

Written for physical science, life sciences and engineering students as well as international students, *Foundations of Chemistry* reviews the theory and principles that are covered in many basic chemistry courses.

## **Sustainable Energy Engineering, Volume 2: Reservoir Property Prediction**

Fred Aminzadeh

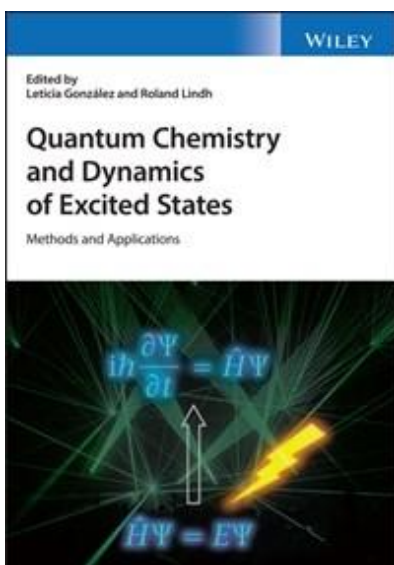
No Image  
Available

John Wiley & Sons  
9781119556213  
Ship Date: 31/12/2020  
\$225.00/£170.00 UK/€192.40 EU  
Discount Code: P  
Hardcover  
250 Pages

**Sustainable Energy Engineering**  
**Enhanced Oil Recovery**  
Fred Aminzadeh

No Image  
Available

John Wiley & Sons  
9781119556206  
Ship Date: 31/12/2020  
\$225.00/£170.00 UK/€192.40 EU  
Discount Code: P  
Hardcover  
250 Pages



Wiley-Blackwell  
 9781119417750  
 Ship Date: 12/11/2020  
 \$285.00/£220.00 UK/€248.60 EU  
 Discount Code: P  
 Hardcover

718 Pages

## Quantum Chemistry and Dynamics of Excited States

### Methods and Applications

Leticia González, Roland Lindh

### Summary

#### An introduction to the rapidly evolving methodology of electronic excited states

For academic researchers, postdocs, graduate and undergraduate students, *Quantum Chemistry and Dynamics of Excited States: Methods and Applications* reports the most updated and accurate theoretical techniques to treat electronic excited states. From methods to deal with stationary calculations through time-dependent simulations of molecular systems, this book serves as a guide for beginners in the field and knowledge seekers alike. Taking into account the most recent theory developments and representative applications, it also covers the often-overlooked gap between theoretical and computational chemistry.

An excellent reference for both researchers and students, *Excited States* provides essential knowledge on quantum chemistry, an in-depth overview of the latest developments, and theoretical techniques around the properties and nonadiabatic dynamics of chemical systems.

Readers will learn:

- Essential theoretical techniques to describe the properties and dynamics of chemical systems
- Electronic Structure methods for stationary calculations
- Methods for electronic excited states from both a quantum chemical and time-dependent point of view
- A breakdown of the most recent developments in the past 30 years

For those searching for a better understanding of excited states as they relate to chemistry, biochemistry, industrial chemistry, and beyond, *Quantum Chemistry and Dynamics of Excited States* provides a solid education in the necessary foundations and important theories of excited states in photochemistry and ultrafast phenomena.

### Contributor Bio

**Professor Leticia González** teaches at the *Department of Chemistry at the University of Vienna, Austria*. She is a theoretical chemist world-known for her work on molecular excited states and ultrafast dynamics simulations. Besides publishing over 250 papers and several reviews on excited states and dynamics, she has developed the SHARC program package to simulate non-adiabatic dynamics.

**Professor Roland Lindh** is a member of the editorial board of *International Journal of Quantum Chemistry* and the MOLCAS quantum chemistry program project. He co-authored "Multiconfigurational Quantum Chemistry" and is an expert on method development for multiconfigurational wave function theory. He currently teaches at *Uppsala University in Sweden*.



## Electrochemical Systems (4th Edition)

John Newman, Nitash P. Balsara

No Image  
Available

### Summary

**Provides a comprehensive understanding of a wide range of systems and topics in electrochemistry**

This book offers complete coverage of electrochemical theories as they pertain to the understanding of electrochemical systems. It describes the foundations of thermodynamics, chemical kinetics, and transport phenomena—including the electrical potential and charged species. It also shows how to apply electrochemical principles to systems analysis and mathematical modeling. Using these tools, the reader will be able to model mathematically any system of interest and realize quantitative descriptions of the processes involved.

This brand new edition of *Electrochemical Systems* updates all chapters while adding content on lithium battery electrolyte characterization and polymer electrolytes. It also includes a new chapter on impedance spectroscopy. Presented in 4 sections, the book covers: Thermodynamics of Electrochemical Cells, Electrode Kinetics and Other Interfacial Phenomena, Transport Processes in Electrolytic Solutions, and Current Distribution and Mass Transfer in Electrochemical Systems. It also features three appendixes containing information on: Partial Molar Volumes, Vectors and Tensors, and Numerical Solution of Coupled, Ordinary Differential Equations.

- Details fundamental knowledge with a thorough methodology
- Thoroughly updated throughout with new material on topics including lithium battery electrolyte characterization, impedance analysis, and polymer electrolytes
- Includes a discussion of equilibration of a charged polymer material and an electrolytic solution (the Donnan equilibrium)
- A peerless classic on electrochemical engineering

*Electrochemical Systems, Fourth Edition* is an excellent resource for students, scientists, and researchers involved in electrochemical engineering.

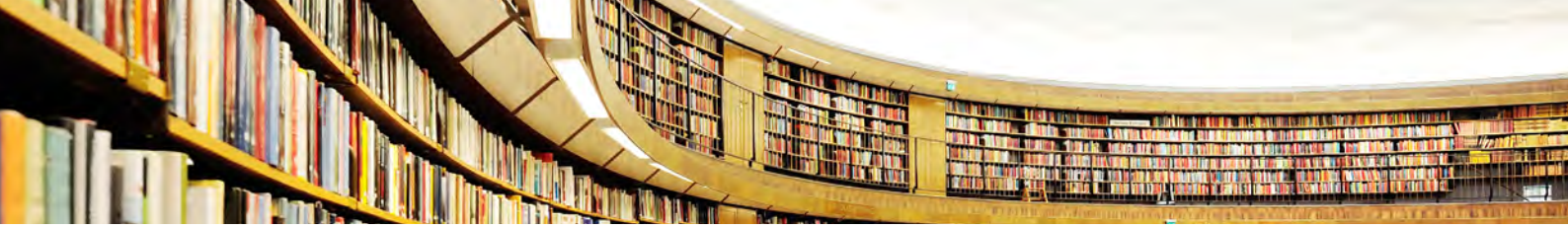
### Contributor Bio

**John Newman, PhD**, has been a Professor of Chemical Engineering at the University of California, Berkeley, since 1963, is a member of the National Academy of Engineering, and the recipient of several awards from the Electrochemical Society.

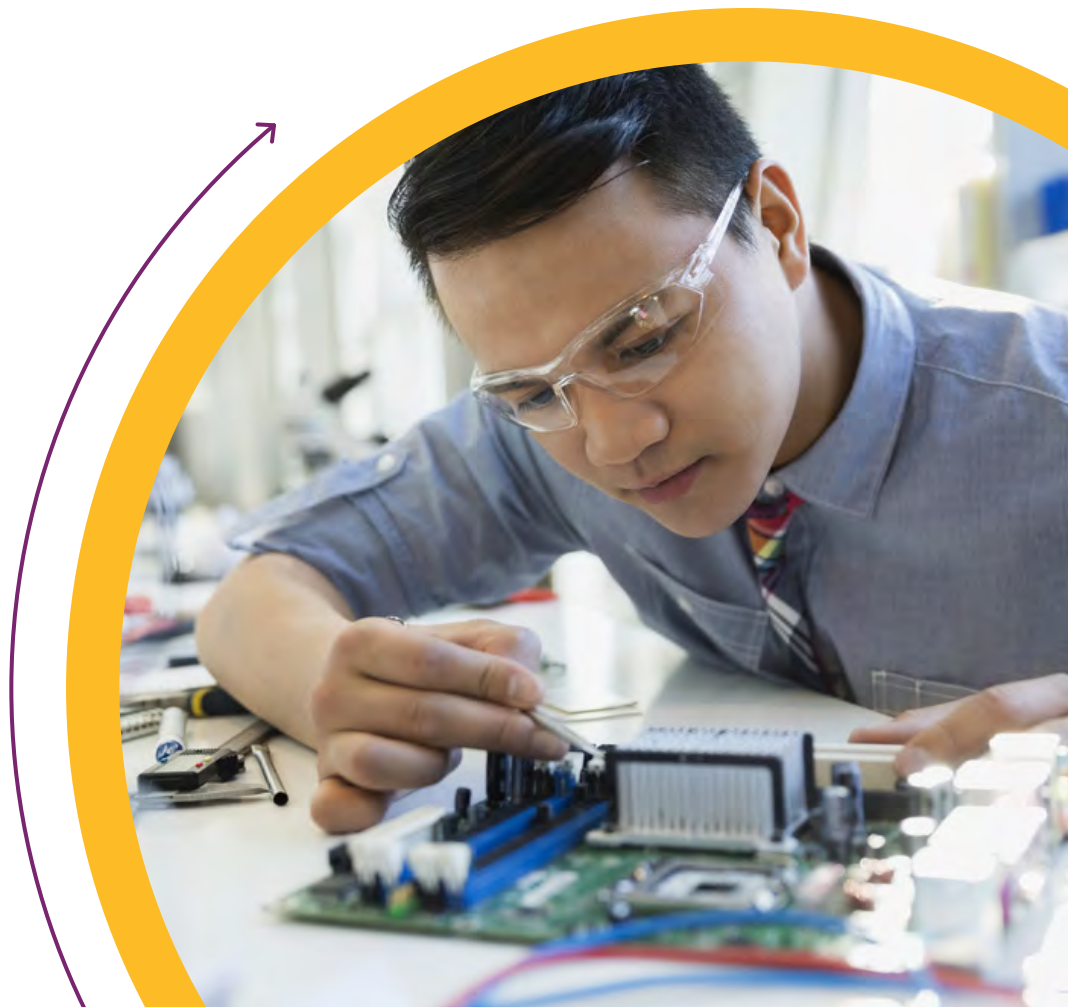
**Nitash P. Balsara, PhD**, holds the Charles W. Tobias Chair in Electrochemistry at the Department of Chemical and Biomolecular Engineering, University of California, Berkeley, where he has been a professor since 2000.

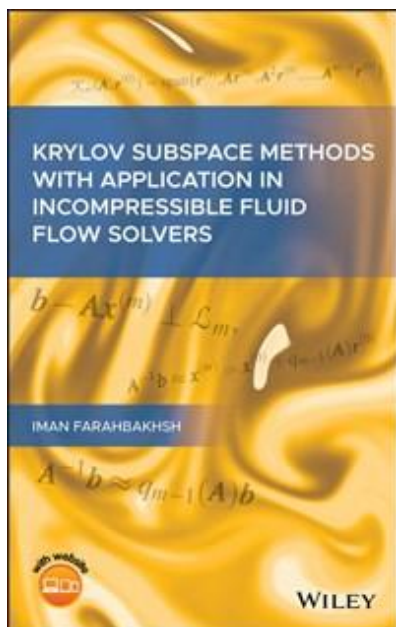
Wiley-Blackwell  
9781119514602  
Ship Date: 01/11/2020  
\$175.00/£133.00 UK/€149.60 EU  
Discount Code: P  
Hardcover

704 Pages  
Series: The ECS Series of Texts  
and Monographs



# Engineering, Architecture & Construction





## Krylov Subspace Methods with Application in Incompressible Fluid Flow Solvers

Iman Farahbakhsh

### Summary

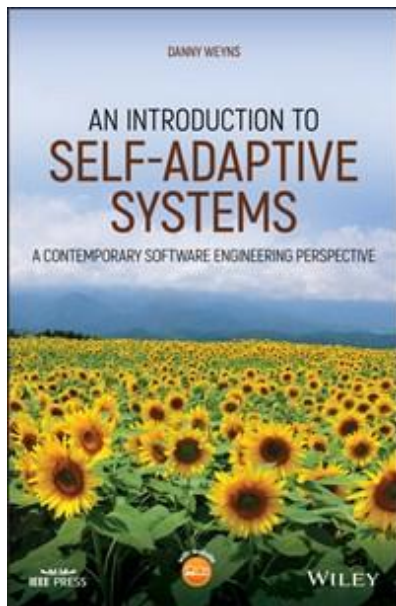
A succinct and complete explanation of Krylov subspace methods for solving matrices Krylov Subspace Methods with Application in Incompressible Fluid Flow Solvers is the most current and complete guide to the implementation of Krylov subspace methods for solving systems of equations with different types of matrices. Written in the simplest language possible and eliminating ambiguities, the text is easy to follow for post-grad students and applied mathematicians alike. The book covers a breadth of topics, including: The different methods used in solving the systems of equations with ill-conditioned and well-conditioned matrices. The behavior of Krylov subspace methods in the solution of systems with ill-posed singular matrices The book includes executable subroutines and main programs that can be applied in CFD codes as well as appendices that support the results provided throughout the text. There is no other comparable resource to prepare the reader to use Krylov subspace methods in incompressible fluid flow solvers.

### Contributor Bio

**IMAN FARAHBAKHS, Ph.D.**, is an Assistant Professor of Hydromechanics and Propulsion Systems in the Department of Maritime Engineering at the Amirkabir University of Technology. His research interests lie in the area of computational fluid dynamics, fluid-structure interaction, multiphase flow, instability in fluids, and numerical linear algebra. The present book is the result of more than a decade of his studies in computational mathematics and application of Krylov subspace methods in CFD codes and the development of computer programs.

Wiley-Blackwell  
9781119618683  
Ship Date: 06/08/2020  
\$130.00/£99.00 UK/€111.90 EU  
Discount Code: P  
Hardcover

256 Pages



Wiley-IEEE Computer Society Pr  
9781119574941  
\$99.00  
Hardcover

296 Pages  
Series: Wiley - IEEE

## An Introduction to Self-adaptive Systems

### A Contemporary Software Engineering Perspective

Danny Weyns

#### Summary

#### **A concise and practical introduction to the foundations and engineering principles of self-adaptation**

Though it has recently gained significant momentum, the topic of self-adaptation remains largely under-addressed in academic and technical literature. This book changes that. Using a systematic and holistic approach, *An Introduction to Self-adaptive Systems: A Contemporary Software Engineering Perspective* provides readers with an accessible set of basic principles, engineering foundations, and applications of self-adaptation in software-intensive systems.

It places self-adaptation in the context of techniques like uncertainty management, feedback control, online reasoning, and machine learning while acknowledging the growing consensus in the software engineering community that self-adaptation will be a crucial enabling feature in tackling the challenges of new, emerging, and future systems.

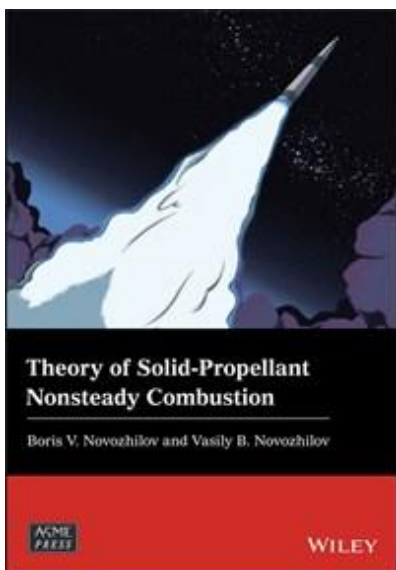
The author combines cutting-edge technical research with basic principles and real-world insights to create a practical and strategically effective guide to self-adaptation. He includes features such as:

- An analysis of the foundational engineering principles and applications of self-adaptation in different domains, including the Internet-of-Things, cloud computing, and cyber-physical systems
- End-of-chapter exercises at four different levels of complexity and difficulty
- An accompanying author-hosted website with slides, selected exercises and solutions, models, and code

Perfect for researchers, students, teachers, industry leaders, and practitioners in fields that directly or peripherally involve software engineering, as well as those in academia involved in a class on self-adaptivity, this book belongs on the shelves of anyone with an interest in the future of software and its engineering.

#### Contributor Bio

**DANNY WEYNS, PhD**, is a Professor at Katholieke Universiteit (KU) Leuven, Department of Computer Science, Leuven, Belgium. He obtained his doctorate from KU Leuven. He focuses on software engineering of trustworthy self-adaptive systems, exploiting design models and verification techniques at runtime.



## Theory of Solid-Propellant Nonsteady Combustion

Vasily B. Novozhilov, Boris V. Novozhilov

### Summary

Despite significant developments and widespread theoretical and practical interest in the area of Solid-Propellant Nonsteady Combustion for the last fifty years, a comprehensive and authoritative text on the subject has not been available. Theory of Solid-Propellant Nonsteady Combustion fills this gap by summarizing theoretical approaches to the problem within the framework of the Zeldovich-Novozhilov (ZN-) theory. This book contains equations governing unsteady combustion and applies them systematically to a wide range of problems of practical interest. Theory conclusions are validated, as much as possible, against available experimental data. Theory of Solid-Propellant Nonsteady Combustion provides an accurate up-to-date account and perspectives on the subject and is also accompanied by a website hosting solutions to problems in the book.

### Contributor Bio

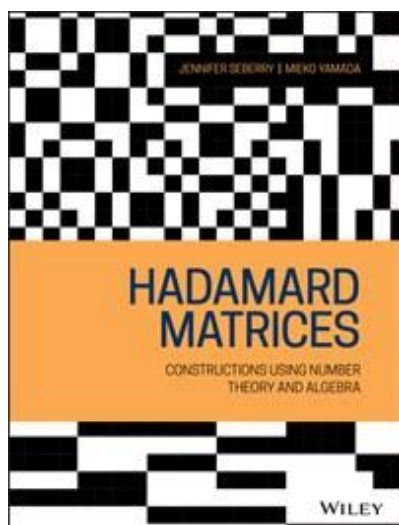
**Professor Boris V. Novozhilov** (1930-2017), Chief Researcher, The Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow.

**Professor Vasily B. Novozhilov**, Professor of Mathematics, Discipline of Science, Research Institute for Sustainable Industries and Liveable Cities, Victoria University, Melbourne Victoria, Australia.

Wiley-Blackwell  
9781119525707  
Ship Date: 24/09/2020  
\$140.00/£108.00 UK/€122.10 EU  
Discount Code: P  
Hardcover

352 Pages  
Series: Wiley-ASME Press Series





Wiley  
9781119520245  
\$115.00  
Hardcover  
352 Pages

## Hadamard Matrices

### Constructions using Number Theory and Linear Algebra

Jennifer Seberry, Mieke Yamada

#### Summary

##### Up-to-date resource on Hadamard matrices

*Hadamard Matrices: Constructions using Number Theory and Algebra* provides students with a discussion of the basic definitions used for Hadamard Matrices as well as more advanced topics in the subject, including:

- Gauss sums, Jacobi sums and relative Gauss sums
- Cyclotomic numbers
- Plug-in matrices, arrays, sequences and M-structure
- Galois rings and Menon Hadamard differences sets
- Paley difference sets and Paley type partial difference sets
- Symmetric Hadamard matrices, skew Hadamard matrices and amicable Hadamard matrices
- A discussion of asymptotic existence of Hadamard matrices
- Maximal determinant matrices, embeddability of Hadamard matrices and growth problem for Hadamard matrices

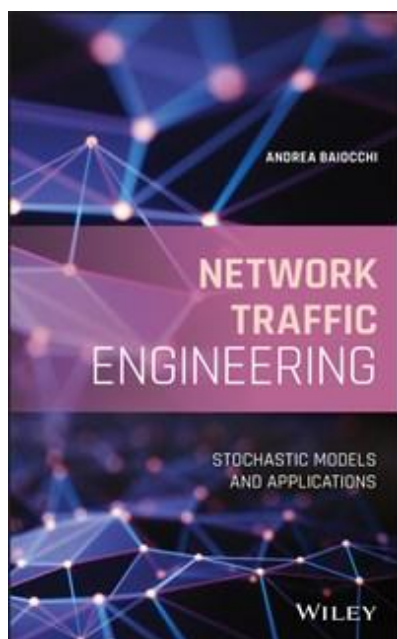
The book can be used as a textbook for graduate courses in combinatorics, or as a reference for researchers studying Hadamard matrices.

Utilized in the fields of signal processing and design experiments, Hadamard matrices have been used for 150 years, and remain practical today. *Hadamard Matrices* combines a thorough discussion of the basic concepts underlying the subject matter with more advanced applications that will be of interest to experts in the area.

#### Contributor Bio

Emeritus Professor **Mieke Yamada** of Kanazawa University graduated from Tokyo Woman's Christian University and received her PhD from Kyusyu University in 1987. She has taught at Tokyo Woman's Christian University, Konan University, Kyushu University, and Kanazawa University. Her areas of research are combinatorics, especially Hadamard matrices, difference sets and codes. Her research approach for combinatorics is based on number theory and algebra. She is a foundation fellow of Institute of Combinatorics and its Applications (ICA). She is an author of 51 papers in combinatorics and number theory.

Emeritus Professor **Jennifer Seberry** graduated from University of New South Wales and received her PhD in Computation Mathematics from La Trobe University in 1971. She has held positions at the Australian National University, The University of Sydney, University College, The Australian Defence Force Academy (ADFA), The University of New South Wales, and University of Wollongong. She served as a head of Department of Computer Science of ADFA and a director of Centre for Computer Security Research of ADFA at University of Wollongong. She has published over 450 papers and eight books in Hadamard matrices, orthogonal designs, statistical designs, cryptology, and computer security.



## Network Traffic Engineering

### Stochastic Models and Applications

Andrea Baiocchi

#### Summary

**A comprehensive guide to the concepts and applications of queuing theory and traffic theory**

*Network Traffic Engineering: Models and Applications* provides an advanced level queuing theory guide for students with a strong mathematical background who are interested in analytic modeling and performance assessment of communication networks.

The text begins with the basics of queueing theory before moving on to more advanced levels. The topics covered in the book are derived from the most cutting-edge research, project development, teaching activity, and discussions on the subject. They include applications of queuing and traffic theory in:

- LTE networks
- Wi-Fi networks
- Ad-hoc networks
- Automated vehicles
- Congestion control on the Internet

The distinguished author seeks to show how insight into practical and real-world problems can be gained by means of quantitative modeling. Perfect for graduate students of computer engineering, computer science, telecommunication engineering, and electrical engineering, *Network Traffic Engineering* offers a supremely practical approach to a rapidly developing field of study and industry.

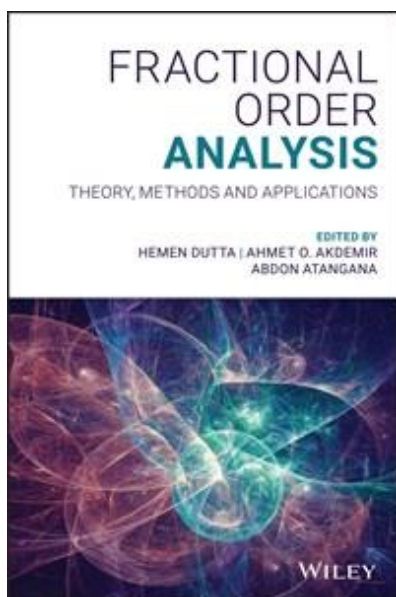
#### Contributor Bio

**ANDREA BAIOCCHI**, PhD, is a Full Professor in the Department of Information Engineering, Electronics and Telecommunications of the University of Roma "La Sapienza". He has published over 160 papers on international journals and conference proceedings. He has participated to the Technical Program Committees of more than seventy international conferences. He served in the editorial board of the telecommunications technical journal published by Telecom Italia (currently TIM) for ten years.

Wiley-Blackwell  
9781119632436  
Ship Date: 26/10/2020  
\$150.00/£114.00 UK/€128.30 EU  
Discount Code: DP  
Hardcover

816 Pages





Wiley-Blackwell  
9781119654162  
Ship Date: 28/10/2020  
\$135.00/£103.00 UK/€115.40 EU  
Discount Code: P  
Hardcover

336 Pages

## Fractional Order Analysis

### Theory, Methods and Applications

Hemen Dutta, Ahmet Ocak Akdemir, Abdon Atangana

### Summary

#### A guide to the new research in the field of fractional order analysis

*Fractional Order Analysis* contains the most recent research findings in fractional order analysis and its applications. The authors—noted experts on the topic—offer an examination of the theory, methods, applications, and the modern tools and techniques in the field of fractional order analysis. The information, tools, and applications presented can help develop mathematical methods and models with better accuracy.

Comprehensive in scope, the book covers a range of topics including: new fractional operators, fractional derivatives, fractional differential equations, inequalities for different fractional derivatives and fractional integrals, fractional modeling related to transmission of Malaria, and dynamics of Zika virus with various fractional derivatives, and more. Designed to be an accessible text, several useful, relevant and connected topics can be found in one place, which is crucial for an understanding of the research problems of an applied nature. This book:

- Contains recent development in fractional calculus
- Offers a balance of theory, methods, and applications
- Puts the focus on fractional analysis and its interdisciplinary applications, such as fractional models for biological models
- Helps make research more relevant to real-life applications

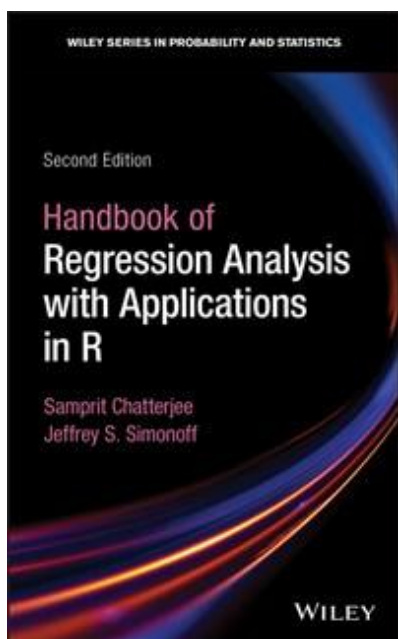
Written for researchers, professionals and practitioners, *Fractional Order Analysis* offers a comprehensive resource to fractional analysis and its many applications as well as information on the newest research.

### Contributor Bio

**HEMEN DUTTA, PHD**, is Faculty Member in the Department of Mathematics at Gauhati University, Guwahati, India.

**AHMET OCAK AKDEMIR, PHD**, is Associate Professor, Ağrı İbrahim Çeçen University, Faculty of Science and Letters, Department of Mathematics, Ağrı, Turkey.

**ABDON ATANGANA, PHD**, is Professor, Institute for Groundwater Studies, University of the Free State, Bloemfontein, South Africa.



Wiley-Blackwell  
 9781119392378  
 Ship Date: 28/10/2020  
 \$130.00/£98.50 UK/€111.20 EU  
 Discount Code: P  
 Hardcover  
 384 Pages  
 Series: Wiley Series in Probability  
 and Statistics

## Handbook of Regression Analysis With Applications in R (2nd Edition)

Samprit Chatterjee, Jeffrey S. Simonoff

### Summary

**Handbook and reference guide for students and practitioners of statistical regression-based analyses in R**

*Handbook of Regression Analysis with Applications in R, Second Edition* is a comprehensive and up-to-date guide to conducting complex regressions in the R statistical programming language. The authors' thorough treatment of "classical" regression analysis in the first edition is complemented here by their discussion of more advanced topics including time-to-event survival data and longitudinal and clustered data.

The book further pays particular attention to methods that have become prominent in the last few decades as increasingly large data sets have made new techniques and applications possible. These include:

- Regularization methods
- Smoothing methods
- Tree-based methods

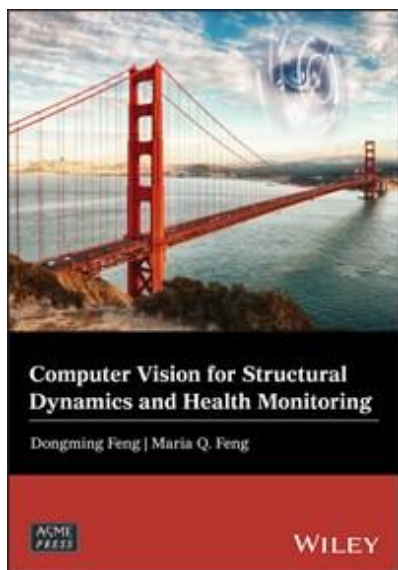
In the new edition of the *Handbook*, the data analyst's toolkit is explored and expanded. Examples are drawn from a wide variety of real-life applications and data sets. All the utilized R code and data are available via an author-maintained website.

Of interest to undergraduate and graduate students taking courses in statistics and regression, the *Handbook of Regression Analysis* will also be invaluable to practicing data scientists and statisticians.

### Contributor Bio

**Samprit Chatterjee, PhD**, is Professor Emeritus of Statistics at New York University. A Fellow of the American Statistical Association, Dr. Chatterjee has been a Fulbright scholar in both Kazakhstan and Mongolia. He is the coauthor of multiple editions of *Regression Analysis By Example*, *Sensitivity Analysis in Linear Regression*, *A Casebook for a First Course in Statistics and Data Analysis*, and the first edition of *Handbook of Regression Analysis*, all published by Wiley.

**Jeffrey S. Simonoff, PhD**, is Professor of Statistics at the Leonard N. Stern School of Business of New York University. He is a Fellow of the American Statistical Association, a Fellow of the Institute of Mathematical Statistics, and an Elected Member of the International Statistical Institute. He has authored, coauthored, or coedited more than one hundred articles and seven books on the theory and applications of statistics.



## Computer Vision for Structural Dynamics and Health Monitoring

Dongming Feng, Maria Q. Feng

### Summary

**Provides comprehensive coverage of theory and hands-on implementation of computer vision-based sensors for structural health monitoring**

This book is the first to fill the gap between scientific research of computer vision and its practical applications for structural health monitoring (SHM). It provides a complete, state-of-the-art review of the collective experience that the SHM community has gained in recent years. It also extensively explores the potentials of the vision sensor as a fast and cost-effective tool for solving SHM problems based on both time and frequency domain analytics, broadening the application of emerging computer vision sensor technology in not only scientific research but also engineering practice.

*Computer Vision for Structural Dynamics and Health Monitoring* presents fundamental knowledge, important issues, and practical techniques critical to successful development of vision-based sensors in detail, including robustness of template matching techniques for tracking targets; coordinate conversion methods for determining calibration factors to convert image pixel displacements to physical displacements; sensing by tracking artificial targets vs. natural targets; measurements in real time vs. by post-processing; and field measurement error sources and mitigation methods. The book also features a wide range of tests conducted in both controlled laboratory and complex field environments in order to evaluate the sensor accuracy and demonstrate the unique features and merits of computer vision-based structural displacement measurement.

- Offers comprehensive understanding of the principles and applications of computer vision for structural dynamics and health monitoring
- Helps broaden the application of the emerging computer vision sensor technology from scientific research to engineering practice such as field condition assessment of civil engineering structures and infrastructure systems
- Includes a wide range of laboratory and field testing examples, as well as practical techniques for field application
- Provides MATLAB code for most of the issues discussed including that of image processing, structural dynamics, and SHM applications

*Computer Vision for Structural Dynamics and Health Monitoring* is ideal for graduate students, researchers, and practicing engineers who are interested in learning about this emerging sensor technology and advancing their applications in SHM and other engineering problems. It will also benefit those in civil and aerospace...

### Contributor Bio

**Dongming Feng, PhD**, is Senior Engineer at Thornton Tomasetti. He has been both a researcher and a practitioner in the interdisciplinary areas of computer vision techniques and structural health monitoring for over the past ten years. His research has been focusing on development of computer vision-based displacement sensors and their application for structural health monitoring. He has successfully applied the computer vision technology to solve practical engineering problems. He has been recognized with various awards including the Outstanding Reviewer Award in 2016 and 2017 from American Society of Civil Engineers (ASCE).

**Maria Feng, PhD**, is Benwick Professor of Civil Engineering at Columbia University.



Wiley-Blackwell  
9781118976326  
Ship Date: 03/11/2020  
\$125.00/£60.95 UK/€68.40 EU  
Discount Code: P  
Hardcover

800 Pages  
Series: Wiley Series in Survey  
Methodology

## Big Data Meets Survey Science

### A Collection of Innovative Methods

Craig A. Hill, Paul P. Biemer, Trent Buskirk, Lill...

#### Summary

**Offers a clear view of the utility and place for survey data within the broader Big Data ecosystem**

This book presents a collection of snapshots from two sides of the Big Data perspective. It assembles an array of tangible tools, methods, and approaches that illustrate how Big Data sources and methods are being used in the survey and social sciences to improve official statistics and estimates for human populations. It also provides examples of how survey data are being used to evaluate and improve the quality of insights derived from Big Data.

*Big Data Meets Survey Science: A Collection of Innovative Methods* shows how survey data and Big Data are used together for the benefit of one or more sources of data, with numerous chapters providing consistent illustrations and examples of survey data enriching the evaluation of Big Data sources. Examples of how machine learning, data mining, and other data science techniques are inserted into virtually every stage of the survey lifecycle are presented. Topics covered include: Total Error Frameworks for Found Data; Performance and Sensitivities of Home Detection on Mobile Phone Data; Assessing Community Wellbeing Using Google Street View and Satellite Imagery; Using Surveys to Build and Assess RBS Religious Flag; and more.

- Presents groundbreaking survey methods being utilized today in the field of Big Data
- Explores how machine learning methods can be applied to the design, collection, and analysis of social science data
- Filled with examples and illustrations that show how survey data benefits Big Data evaluation
- Covers methods and applications used in combining Big Data with survey statistics
- Examines regulations as well as ethical and privacy issues

*Big Data Meets Survey Science: A Collection of Innovative Methods* is an excellent book for both the survey and social science communities as they learn to capitalize on this new revolution. It will also appeal to the broader data and computer science communities looking for new areas of application for emerging methods and data sources.

#### Contributor Bio

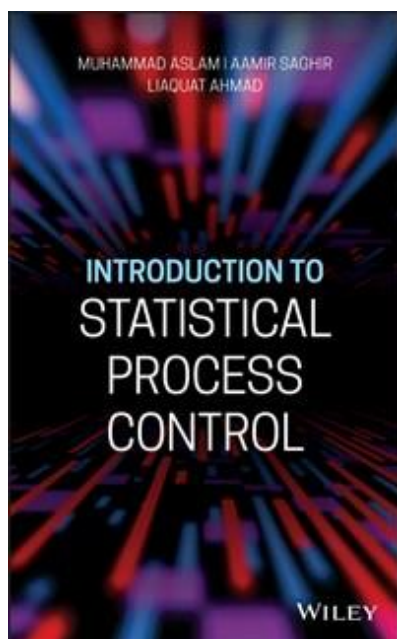
**Craig A. Hill, PhD**, is Senior Vice President at RTI International and focuses on application of new technology to quantitative social science research. He is also the lead editor of *Social Media, Sociality, and Survey Research* (Wiley, 2013).

**Paul P. Biemer, PhD**, is Distinguished Fellow, Statistics at RTI International. He is an author, co-author, and co-editor of 6 other books published by Wiley.

**Trent D. Buskirk, PhD**, is the Novak Family Distinguished Professor of Data Science and the Chair of the Applied Statistics and Operations Research Department in the College of Business at Bowling Green State University.

**Lilli Japac, PhD**, former Director of Research and Development Department at Statistics Sweden. She co-chaired AAPOR's Task Force on Big Data.

**Antje Kirchner, PhD**, is a Survey Methodologist at RTI International. She is the Chair of the Scientific Committee of the Big Data Meets Survey Science (BigSurv20)



Wiley-Blackwell  
 9781119528456  
 Ship Date: 12/11/2020  
 \$120.00/£90.95 UK/€102.60 EU  
 Discount Code: P  
 Hardcover  
 304 Pages

## Introduction to Statistical Process Control

Muhammad Aslam, Aamir Saghir, Liaquat Ahmad

### Summary

#### An Introduction to the Fundamentals and History of Control Charts, Applications, and Guidelines for Implementation

*Introduction to Statistical Process Control* examines various types of control charts that are typically used by engineering students and practitioners. This book helps readers develop a better understanding of the history, implementation, and use-cases. Students are presented with varying control chart techniques, information, and roadmaps to ensure their control charts are operating efficiently and producing specification-confirming products. This is the essential text on the theories and applications behind statistical methods and control procedures.

This eight-chapter reference breaks information down into digestible sections and covers topics including:

- An introduction to the basics as well as a background of control charts
- Widely used and newly researched attributes of control charts, including guidelines for implementation
- The process capability index for both normal and non-normal distribution via the sampling of multiple dependent states
- An overview of attribute control charts based on memory statistics
- The development of control charts using EQMA statistics

For a solid understanding of control methodologies and the basics of quality assurance, *Introduction to Statistical Process Control* is a definitive reference designed to be read by practitioners and students alike. It is an essential textbook for those who want to explore quality control and systems design.

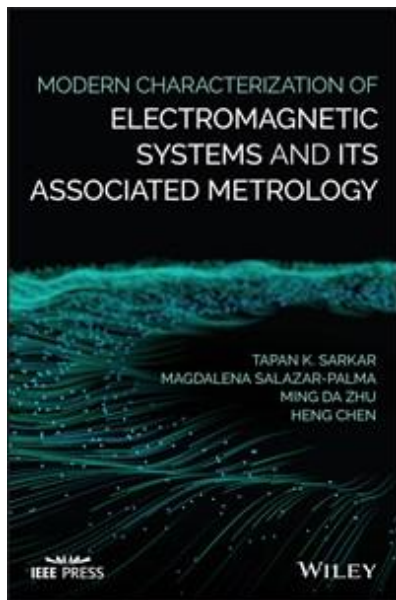
### Contributor Bio

**MUHAMMAD ASLAM**, Ph.D., is a Professor in the Department of Statistics at King Abdulaziz University at Jeddah, Saudi Arabia. He was awarded the "Research Productivity Award for the year" in 2012 by Pakistan Council for Science and Technology. He is the founder of neutrosophic statistical quality control and neutrosophic inferential statistics.

**AAMIR SAGHIR**, Ph.D., is a Professor in the Department of Mathematics at Mirpur University of Science and Technology. He received his Ph.D. in Statistics from Zhejiang University in China.

**LIAQUAT AHMAD**, Ph.D., is an Associate Professor in the Department of Statistics and Computer Science at the University of Veterinary and Animal Sciences, Lahore, Pakistan. He's taught Statistics for over 24 years at the Ph.D. and M. Phil levels.





## Modern Characterization of Electromagnetic Systems

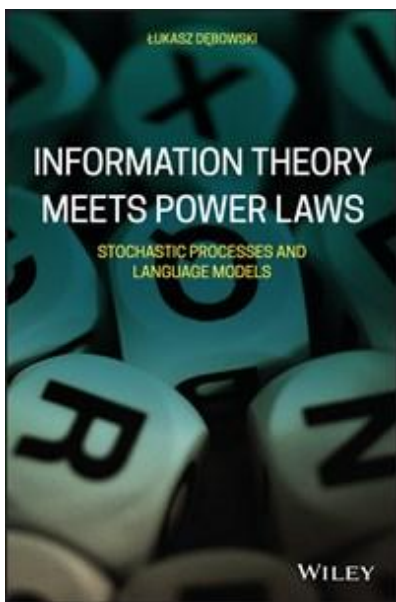
Tapan K. Sarkar

### Summary

This book describes new method of characterization of electromagnetic wave dynamics and measurement, which are based on modern computational and digital signal processing techniques. The book introduces modern computational concepts in electromagnetic system characterization and introduce modern signal processing algorithms not only to enhance the resolution but also extract information from electromagnetic systems that is not currently possible, for example, generation of the non-minimum phase or for that matter the transient response given amplitude only data. The author covers model based parameter estimation and planar near field to far field transformation, as well as spherical near field to far field transformation.

Wiley-Blackwell  
 9781119076469  
 Ship Date: 08/02/2021  
 \$155.00/£118.00 UK/€132.50 EU  
 Discount Code: P  
 Hardcover

704 Pages  
 Series: Wiley – IEEE



## Information Theory Meets Power Laws

### Stochastic Processes and Language Models

Lukasz Debowski

#### Summary

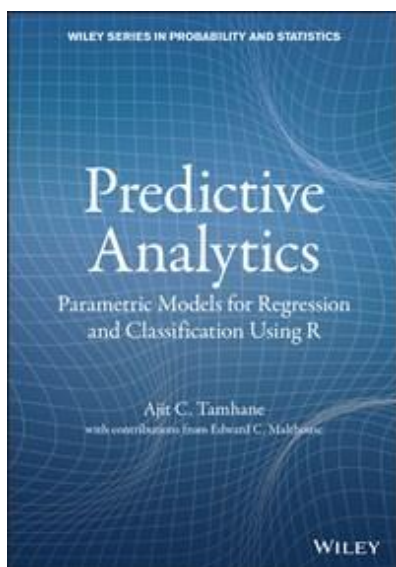
This book introduces mathematical foundations of statistical modeling of natural language. The author attempts to explain a few statistical power laws satisfied by texts in natural language in terms of non-Markovian and non-hidden Markovian discrete stochastic processes with some sort of long-range dependence. To achieve this, he uses various concepts and technical tools from information theory and probability measures. This book begins with an introduction. The first half of the book is an introduction to probability measures, information theory, ergodic decomposition, and Kolmogorov complexity, which is provided to make the book relatively self-contained. This section also covers less standard concepts and results, such as excess entropy and generalization of conditional mutual information to  $\sigma$ -fields. The second part of the book discusses the results concerning power laws for mutual information and maximal repetition, such as theorems about facts and words. There is also a separate chapter discussing toy examples of stochastic processes, which should inspire future work in statistical language modeling.

#### Contributor Bio

Wiley-Blackwell  
9781119625278  
Ship Date: 24/11/2020  
\$115.00/£87.50 UK/€98.30 EU  
Discount Code: P  
Hardcover

416 Pages





Wiley-Blackwell  
9781118948897  
Ship Date: 29/12/2020  
\$135.00/£102.00 UK/€115.40 EU  
Discount Code: P  
Hardcover

352 Pages  
Series: Wiley Series in Probability  
and Statistics

## Regression for Predictive Analytics

### Parametric and Nonparametric Regression

Ajit C. Tamhane, Edward C. Malthouse

#### Summary

**Provides a foundation in classical parametric methods of regression and classification essential for pursuing advanced topics in predictive analytics and statistical learning**

This book covers a broad range of topics in parametric regression and classification including multiple regression, logistic regression (binary and multinomial), discriminant analysis, Bayesian classification, generalized linear models and Cox regression for survival data. The book also gives brief introductions to some modern computer-intensive methods such as classification and regression trees (CART), neural networks and support vector machines.

The book is organized so that it can be used by both advanced undergraduate or masters students with applied interests and by doctoral students who also want to learn the underlying theory. This is done by devoting the main body of the text of each chapter with basic statistical methodology illustrated by real data examples. Derivations, proofs and extensions are relegated to the Technical Notes section of each chapter, Exercises are also divided into theoretical and applied. Answers to selected exercises are provided. A solution manual is available to instructors who adopt the text.

Data sets of moderate to large sizes are used in examples and exercises. They come from a variety of disciplines including business (finance, marketing and sales), economics, education, engineering and sciences (biological, health, physical and social). All data sets are available at the book's web site. Open source software R is used for all data analyses. R codes and outputs are provided for most examples. R codes are also available at the book's web site.

*Predictive Analytics: Parametric Models for Regression and Classification Using R* is ideal for a one-semester upper-level undergraduate and/or beginning level graduate course in regression for students in business, economics, finance, marketing, engineering, and computer science. It is also an excellent resource for practitioners in these fields.

#### Contributor Bio

**Ajit C. Tamhane, PhD**, is Professor of Industrial Engineering & Management Sciences with a courtesy appointment in Statistics at Northwestern University. He is a fellow of the American Statistical Association, Institute of Mathematical Statistics, American Association for Advancement of Science and an elected member of the International Statistical Institute.



Wiley-Blackwell  
 9781118511497  
 Ship Date: 31/12/2020  
 \$160.00/£100.00 UK/€113.00 EU  
 Discount Code: P  
 Hardcover

500 Pages  
 Series: Tribology in Practice Series

## Air Bearings

### Theory, Design and Applications

Farid Al-Bender

#### Summary

#### ***Comprehensive treatise on gas bearing theory, design and application***

This book treats the fundamental aspects of gas bearings of different configurations (thrust, radial, circular, conical) and operating principles (externally pressurized, self-acting, hybrid, squeeze), guiding the reader throughout the design process from theoretical modelling, design parameters, numerical formulation, through experimental characterisation and practical design and fabrication.

The book devotes a substantial part to the dynamic stability issues (pneumatic hammering, sub-synchronous whirling, active dynamic compensation and control), treating them comprehensively from theoretical and experimental points of view.

#### Key features:

- Systematic and thorough treatment of the topic.
- Summarizes relevant previous knowledge with extensive references.
- Includes numerical modelling and solutions useful for practical application.
- Thorough treatment of the gas-film dynamics problem including active control.
- Discusses high-speed bearings and applications.

*Air Bearings: Theory, Design and Applications* is a useful reference for academics, researchers, instructors, and design engineers. The contents will help readers to formulate a gas-bearing problem correctly, set up the basic equations, solve them establishing the static and dynamic characteristics, utilise these to examine the scope of the design space of a given problem, and evaluate practical issues, be they in design, construction or testing.

#### ***Comprehensive treatise on gas bearing theory, design and application***

This book treats the fundamental aspects of gas bearings of different configurations (thrust, radial, circular, conical) and operating principles (externally pressurized, self-acting, hybrid, squeeze), guiding the reader throughout the design process from theoretical modelling, design parameters, numerical formulation, through experimental characterisation and practical design and fabrication.

The book devotes a substantial part to the dynamic stability issues (pneumatic hammering, sub-synchronous whirling, active dynamic compensation and control), treating them comprehensively from theoretical and experimental points of view.

#### Key features:

- Systematic and thorough treatment of the topic.
- Summarizes relevant previous knowledge with extensive references.
- Includes numerical modelling and solutions useful for practical application.
- Thorough treatment of the gas-film dynamics problem including active control.
- Discusses high-speed bearings and applicatio...

#### Contributor Bio

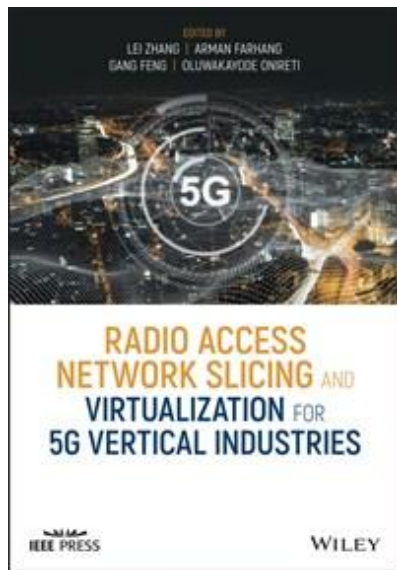
F. Al-Bender, Department of Mechanical Engineering, KU Leuven, Belgium

## **Finite Mathematics, 1st Edition**

No Image  
Available

9781118642702

0 Pages



## Radio Access Network Slicing and Virtualization for 5G Vertical Industries

Lei Zhang, Arman Farhang, Gang Feng, Oluwakayode O...

### Summary

Future wireless communication systems are expected to provide services to various vastly different applications, ranging from Internet of Things (IoT), mobile broadband, to vehicle to vehicle (V2V) communications. This book explores recent advances in theory and practice of radio access network slicing for 5G and beyond communication system to support various industrial sectors including manufacturing, entertainment, public safety, public transport, healthcare, financial services, automotive and energy utilities. The book covers four aspects; physical waveforms design, multiple service signals coexistence, Radio Access Network Slicing (RAN) slicing and virtualization, and applications to the vertical industries. This timely book proposes to address a challenging research issue of the radio slices co-existence of various communication services with vastly different requirements coving 5G defined all three main communication scenarios. This is a very important topic as network slicing has been focused on core network function virtualisation to date and this is a pioneering research from radio air-interface perspective to achieve the true end-to-end configurable network slicing for the future diverse radio system. This book has the potential to influence 5G-and-beyond standards pertaining to the radio access schemes envisioned for use beyond 2020.

Wiley  
9781119652380  
\$125.00  
Hardcover  
  
400 Pages  
Series: Wiley - IEEE

## Modern Construction Management *(8th Edition)*

Prof. Frank Harris, Prof. Ronald McCaffer

No Image  
Available

### Summary

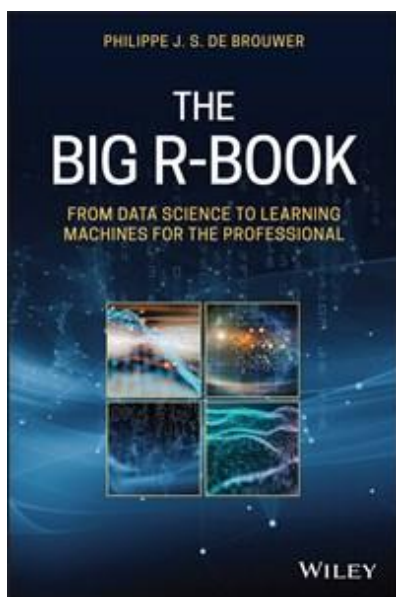
While the construction process still requires traditional skills, the dynamic nature of construction demands of its managers improved understanding of modern business, production and contractual practices. This well established, core undergraduate textbook reflects current best practice in the management of construction projects, with particular emphasis given to supply chains and networks, value and risk management, BIM, ICT, project arrangements, corporate social responsibility, training, health and welfare and environmental sustainability.

The overall themes for the Eighth Edition Modern Construction Management are:

- Drivers for efficiency: lean construction underpinning production management and off-site production methods.
- Sustainability: reflecting the transition to a low carbon economy.
- Corporate Social Responsibility: embracing health & safety and employment issues.
- Modern contractual systems driving effective procurement
- Building Information Modelling directed towards the improvement of collaboration in construction management systems

Wiley-Blackwell  
9781119488347  
Ship Date: 26/11/2020  
\$60.00/£44.95 UK/€50.80 EU  
Discount Code: P  
Paperback

608 Pages



Wiley-Blackwell  
 9781119632726  
 Ship Date: 30/11/2020  
 \$130.00/£98.50 UK/€111.20 EU  
 Discount Code: P  
 Hardcover

928 Pages

## The Big R-Book

**From Data Science to Learning Machines and Big Data**

Philippe J. S. De Brouwer

### Summary

**Introduces professionals and scientists to statistics and machine learning using the programming language R**

Written by and for practitioners, this book provides an overall introduction to R, focusing on tools and methods commonly used in data science, and placing emphasis on practice and business use. It covers a wide range of topics in a single volume, including big data, databases, statistical machine learning, data wrangling, data visualization, and the reporting of results. The topics covered are all important for someone with a science/math background that is looking to quickly learn several practical technologies to enter or transition to the growing field of data science.

*The Big R-Book for Professionals: From Data Science to Learning Machines and Reporting with R* includes nine parts, starting with an introduction to the subject and followed by an overview of R and elements of statistics. The third part revolves around data, while the fourth focuses on data wrangling. Part 5 teaches readers about exploring data. In Part 6 we learn to build models, Part 7 introduces the reader to the reality in companies, Part 8 covers reports and interactive applications and finally Part 9 introduces the reader to big data and performance computing. It also includes some helpful appendices.

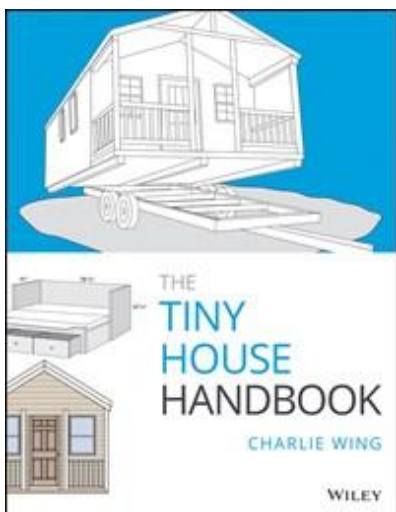
- Provides a practical guide for non-experts with a focus on business users
- Contains a unique combination of topics including an introduction to R, machine learning, mathematical models, data wrangling, and reporting
- Uses a practical tone and integrates multiple topics in a coherent framework
- Demystifies the hype around machine learning and AI by enabling readers to understand the provided models and program them in R
- Shows readers how to visualize results in static and interactive reports
- Supplementary materials includes PDF slides based on the book's content, as well as all the extracted R-code and is available to everyone on a Wiley Book Companion Site

*The Big R-Book* is an excellent guide for science technology, engineering, or mathematics students who wish to make a successful transition from the academic world to the professional. It will also appeal to all young data scientists, quantitative analysts, and analytics professionals, as well as those who make mathematical models.

### Contributor Bio

**PHILIPPE J.S. DE BROUWER, PHD**, is director at HSBC, guest professor at four universities and MBA programs (University of Warsaw, Jagiellonian University, Krakow School of Business and AGH University of Science and Technology) and honorary consul for Belgium in Krakow. As a professor, he builds bridges not only between universities and the industry, but also across disciplines. He teaches mathematicians leadership skills and non-mathematicians coding. As a scientist, he tries to combine research on financial markets, psychology, and investments to the benefit of the investor. As an honorary consul he is passionate about serving the community and helping initiatives grow.





John Wiley & Sons  
9781119581871  
Ship Date: 01/12/2020  
\$29.95/£22.99 UK/€25.60 EU  
Discount Code: T  
Paperback

288 Pages

## The Tiny House Handbook

Charlie Wing

### Summary

*"This thought provoking book is a great resource for anyone considering joining the tiny house movement. It's all the information you need in one book! The author has done a phenomenal job blending real world experience, data and practical knowledge on all types of tiny homes."*

-Corinne Watson, Principle and Co-Founder, Tiny Homes of Maine

*"Charlie Wing's very readable Tiny House Handbook leads you through the processes of designing and building a tiny home, with careful attention to all the details, including legal issues, cost estimates, material utilization and foundation options. Charlie is a master at demystifying the seemingly complex process of homebuilding. This book will help you live both comfortably and lighter on the land."*

-John S. Crowley, CEO of FACET and Board member, Build It Green

### Plan, design, and build a tiny house from scratch

*The Tiny House Handbook* is a comprehensive guide to everything you need to know to construct your very own tiny house. Produced in Charlie Wing's signature "visual handbook" style and jam-packed with full-color illustrations and diagrams, this book includes step-by-step instructions for building a tiny house as well as information on cost estimating and design requirements.

Based on 2018 International Residential Code (IRC) Appendix Q, this book includes sample construction drawings and floor plans for a variety of tiny home styles, including:

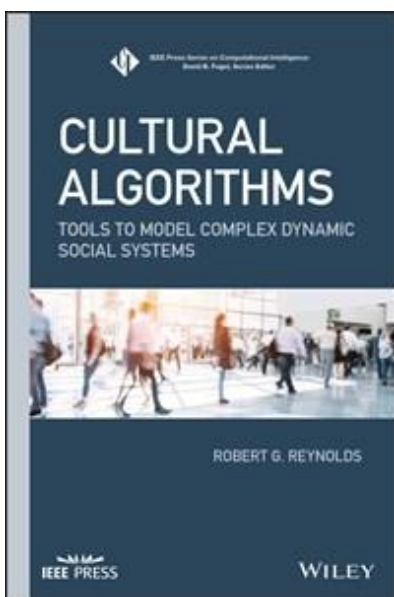
- Mobile (8'6"-wide trailers and RVs)
- Movable (12'-wide, routine transport permit)
- Site-built (up to 20' wide)

Rather than being just another inspirational collection of tiny home photographs, *The Tiny House Handbook* constitutes a complete and fulsome reference for anyone seeking to build their own tiny home. From seasoned construction vets to total novices, this book will walk you through the process of designing and building a tiny house from start to finish.

### Contributor Bio

**Charlie Wing** (New Limerick, ME), a nationally recognized authority on home building and remodeling, home repair, energy conservation and boating, specializes in translating and illustrating technical information into easily understood layman's terms. A PhD graduate of MIT, Principle Investigator in NASA's Apollo Lunar Program, and Physics Instructor at Bowdoin College, he cofounded the nation's first two owner-builder schools, developed the first DOE-approved computerized home energy audit, wrote and hosted the national PBS TV series, "Housewarming with Charlie Wing", appeared on over 400 radio and television shows about energy conservation, and served as founding and technical editor for "Smart Homeowner Magazine".





Wiley-Blackwell  
9781119403081  
Ship Date: 03/12/2020  
\$135.00/£102.00 UK/€115.40 EU  
Discount Code: P  
Hardcover

288 Pages  
Series: IEEE Press Series on  
Computational Intelligence

## Cultural Algorithms

### Tools to Model Complex Dynamic Social Systems

Robert G. Reynolds

#### Summary

#### A thorough look at how societies can use cultural algorithms to understand human social evolution

For those working in computational intelligence, developing an understanding of how cultural algorithms and social intelligence form the essential framework for the evolution of human social interaction is essential. This book, *Cultural Algorithms: Tools to Model Complex Dynamic Social Systems*, is the foundation of that study. It showcases how we can use cultural algorithms to organize social structures and develop socio-political systems that work.

For such a vast topic, the text covers everything from the history of the development of cultural algorithms and the basic framework with which it was organized. Readers will also learn how other nature-inspired algorithms can be expressed and how to use social metrics to assess the performance of various algorithms.

In addition to these topics, the book covers topics including:

- The CAT system including the Repast Symphony System and CAT Sample Runs
- How to problem solve using social networks in cultural algorithms with auctions
- Understanding Common Value Action to enhance Social Knowledge Distribution Systems
- Case studies on team formations
- An exploration of virtual worlds using cultural algorithms

For industry professionals or new students, *Cultural Algorithms* provides an impactful and thorough look at both social intelligence and how human social evolution translates into the modern world.

#### Contributor Bio

**DR. ROBERT G. REYNOLDS** is a Professor of Computer Science at Wayne State University and a Visiting Research Scientist at the University of Michigan's Museum of Anthropology. In addition to serving as the Computational Intelligence Representative to the IEEE USA Research and Development Committee, he has also been an Associate Editor for eight Intelligent System and IEEE journals.

## Communication Engineering Principles (2nd Edition)

Ifiok Otung

No Image  
Available

### Summary

**For those seeking a thorough grounding in modern communication engineering principles delivered with unrivaled clarity using an engineering-first approach**

*Communication Engineering Principles: 2nd Edition* provides readers with comprehensive background information and instruction in the rapidly expanding and growing field of communication engineering.

This book is well-suited as a textbook in any of the following courses of study:

- Telecommunication
- Mobile Communication
- Satellite Communication
- Optical Communication
- Electronics
- Computer Systems

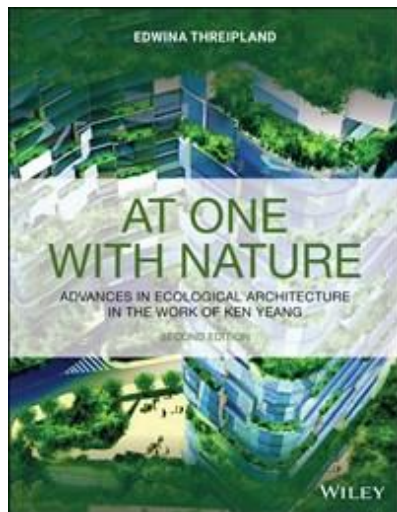
Primarily designed as a textbook for undergraduate programs, *Communication Engineering Principles: 2nd Edition* can also be highly valuable in a variety of MSc programs.

*Communication Engineering Principles* grounds its readers in the core concepts and theory required for an in-depth understanding of the subject. It also covers many of the modern, practical techniques used in the field.

Along with an overview of communication systems, the book covers topics like time and frequency domains analysis of signals and systems, transmission media, noise in communication systems, analogue and digital modulation, pulse shaping and detection, and many others.

Wiley-Blackwell  
9781119274025  
Ship Date: 03/12/2020  
\$110.00/£62.50 UK/€70.70 EU  
Discount Code: P  
Hardcover

750 Pages



## **At One with Nature** (2nd Edition)

### **Advances in Ecological Architecture in the Work of Ken Yeang**

Ken Yeang

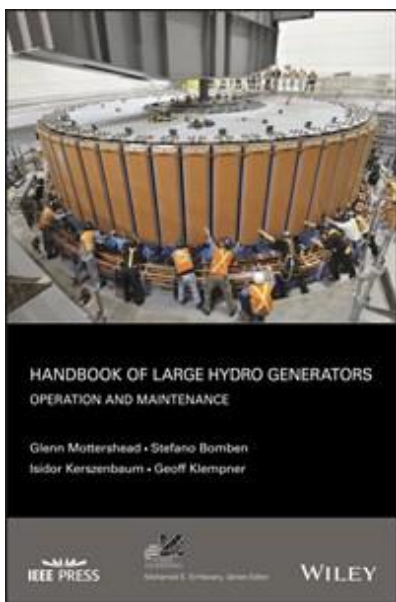
#### **Summary**

*At One with Nature* will provide an overview of Yeang's current thinking on the theory and practice of ecological design, including his technical ideas, design interpretations, aesthetic concepts for an ecological architecture, and images of Yeang's completed works.

The primary aim and scope of the book is to present the current thinking and developments on the topic of ecological architecture and ecomasterplanning carried out by Ken Yeang in his research, theoretical and design work. This volume will discuss the implications of their recent developments, progressed since the 1st Edition of this book, published in 2011.

Wiley-Blackwell  
9781119528036  
Ship Date: 03/12/2020  
\$90.00/£65.00 UK/€73.50 EU  
Discount Code: P  
Hardcover

300 Pages



## Handbook of Large Hydro Generators

### Operation and Maintenance

Glenn Mottershead, Stefano Bomben, Geoff Klempner,...

### Summary

This book is a practical handbook for engineers and maintenance staff responsible for the upkeep of power generating stations that use salient pole electric machines. The contents include real-world examples such as large vertical hydro generators, as well as related problems and solutions.

This book is a practical handbook for engineers and maintenance staff responsible for the upkeep of power generating stations that use salient pole electric machines. The contents include real-world examples such as large vertical hydro generators, as well as related problems and solutions. This coverage encompasses the design, modernization, inspections, maintenance, and operation of salient pole machines. This book will serve as a rare resource for practicing engineers and students.

### Contributor Bio

**Glenn A. Mottershead, PEng**, is a Principle Engineer at HDR, has served on numerous IEEE electric machinery committees and standards working groups, with 41 years of experience in all aspects of design, installation, testing, troubleshooting, modernizing and uprating of large synchronous generators.

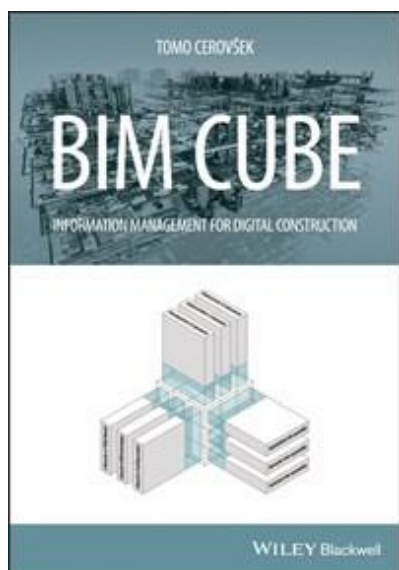
**Stefano Bomben, PEng**, is a large hydro generator engineer specialist in Ontario, Canada, with over 28 years of experience at a major Ontario utility. His experience includes new generator specifications and installations, rewinds, failure repairs, testing, troubleshooting, and maintenance practices. He has served on numerous IEEE committees and standards working groups relating to large hydro generators and insulation systems.

**Geoff Klempner, PEng**, is a large generator engineer specialist in the power industry and has served on numerous IEEE committees and standards working groups for large generators. He is also an IEEE Fellow and a contributor to CIGRE on large rotating electrical machines.

**Isidor Kerszenbaum, PhD**, is a generator specialist in Irvine, CA, consulting with power plants on operation, maintenance, and troubleshooting of large motors and generators. He is also an IEEE Fellow.

Wiley-Blackwell  
9780470947579  
Ship Date: 22/12/2020  
\$165.00/£125.00 UK/€141.10 EU  
Discount Code: P  
Hardcover

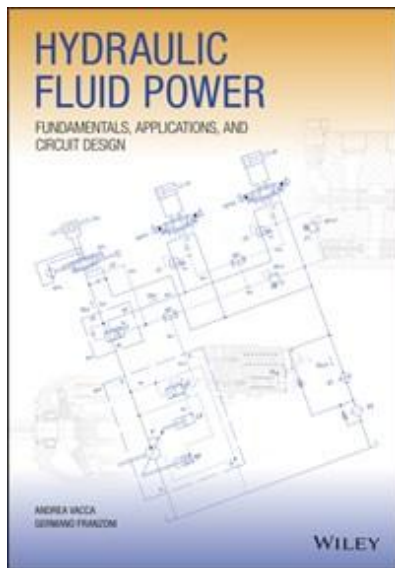
656 Pages  
Series: IEEE Press Series on Power Engineering



## **BIM Cube: Information management for digital construction**

9781119242901

0 Pages



## **Hydraulic Fluid Power**

### **Fundamentals, Applications, and Circuit Design**

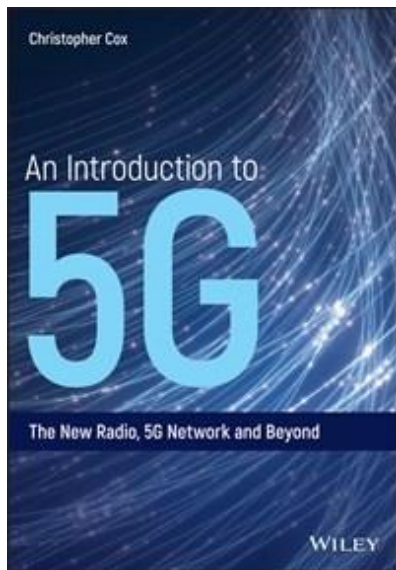
Andrea Vacca, Germano Franzoni

#### **Summary**

This book presents an original educational approach to hydraulic technology by focusing on the design of complete hydraulic systems. The initial introductory chapters are dedicated to the description of the basic physical components and principles of hydraulics. The bulk of the book concentrates on the most practical and useful system concepts for controlling hydraulic functions that can be found in the state of the art. These concepts are classified, analyzed, presented, and compared on a system level. The focus is the energy performance and the control features of each design architecture. The goal is to provide the reader with the tools to understand how a hydraulic circuit design affects the operation of the equipment where it is applied, and to select the best solution for the application.

Wiley-Blackwell  
 9781119569114  
 Ship Date: 03/12/2020  
 \$140.00/£108.00 UK/€120.62 EU  
 Discount Code: P  
 Hardcover

784 Pages



## **An Introduction to 5G**

### **The New Radio, 5G Network and Beyond**

Christopher Cox

#### **Summary**

This book is an introductory system-level guide to 5G, a market niche that existing books on 5G do not appear to address. By reading the book, readers will understand the architecture of 5G, the techniques used for radio transmission and reception, and the overall operation of the system. They will then be able to tackle the specifications and more advanced books with confidence.

Wiley-Blackwell  
9781119602668  
Ship Date: 03/12/2020  
\$110.00/£80.00 UK/€97.90 EU  
Discount Code: P  
Hardcover

320 Pages



## Vibrations of Linear Piezosttructures

Andrew J. Kurdila, Pablo A. Tarazaga

No Image  
Available

### Summary

Vibrations of Linear Piezosttructures is a self-contained and introductory text providing a focused and concise account of the general theory of vibrations of linear piezosttructures. While piezoelectric materials and sensors have been studied for decades, a person seeking a general introduction to the theory for modeling and analysis of this emerging class of sensors, actuators, and active systems currently must assimilate approaches from older outdated texts, journal or conference articles, edited volumes, highly specialized texts, or manuscripts that primarily treat other topics such as crystallography, tensor mathematics, continuum mechanics, or continuum electrodynamics. The book deals with the fundamental principals, starting with a review of mathematics, continuum mechanics and elasticity, and continuum electrodynamics as they are applied to electromechanical piezosttructures. It continues by developing the work related to linear constitutive laws of piezoelectricity. Following this, it addresses modeling of linear piezosttructures via Newtons approach and consequently via Variational Methods. And in the end it presents a general discussion of weak and strong forms of the equations of motion, Galerkin approximation methods for the weak form, Fouier or modal methods, and finite element methods.

Wiley-Blackwell  
9781119393405  
Ship Date: 03/12/2020  
\$120.00/£79.95 UK/€90.40 EU  
Discount Code: P  
Hardcover

240 Pages  
Series: Wiley-ASME Press Series

# Direction Dependence in Statistical Modeling

## Methods of Analysis

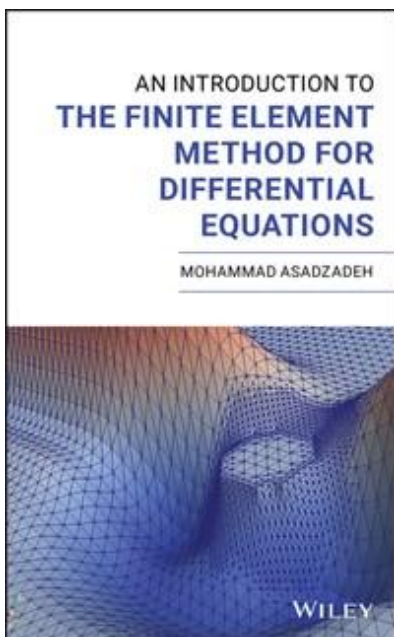
Wolfgang Wiedermann, Daeyoung Kim, Engin Sungur, A...

No Image  
Available

### Summary

This edited book examines current methods for the statistical analysis of hypotheses that are compatible with direction dependence. The proposed book is divided in four parts, each consisting of two or more chapters, for a total of 14 chapters. The first part of this book introduces the fundamental concepts of direction dependence in statistical models. The authors provide a historical view on the origins of studying the direction of dependence in a regression line. Various classes of copulas with directional dependence properties are introduced. In addition, an introduction into copula regression functions and concomitants of order statistics in directional dependence modeling is given. Part II of the proposed book is devoted to recent developments and advances in direction dependence modeling of continuous variables and contains six chapters. The author demonstrates the benefits of incorporating concepts of direction dependence to identify causal models. Part III of the proposed volume introduces direction dependence methods for the categorical variable case. Finally, Part IV of the proposed book is devoted to substantive theory and real-world applications and consists of four chapters. The author introduces custom dialogs and macros in SPSS to make direction dependence analysis accessible to applied empirical researchers.

Wiley-Blackwell  
9781119523079  
Ship Date: 06/12/2020  
\$135.00/£102.00 UK/€115.40 EU  
Discount Code: P  
Hardcover  
432 Pages



Wiley-Blackwell  
 9781119671640  
 Ship Date: 01/12/2020  
 \$115.00/£87.50 UK/€98.30 EU  
 Discount Code: P  
 Hardcover

352 Pages

## An Introduction to the Finite Element Method for Differential Equations

Mohammad Asadzadeh

### Summary

**Master the finite element method with this masterful and practical volume**

*An Introduction to the Finite Element Method (FEM) for Differential Equations* provides readers with a practical and approachable examination of the use of the finite element method in mathematics. Author Mohammad Asadzadeh covers basic FEM theory, both in one-dimensional and higher dimensional cases.

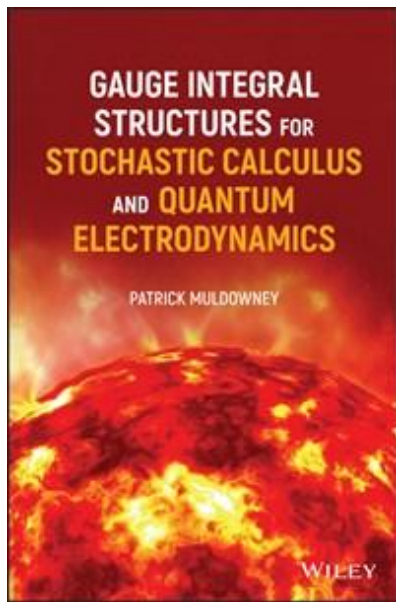
The book is filled with concrete strategies and useful methods to simplify its complex mathematical contents. Practically written and carefully detailed, *An Introduction to the Finite Element Method* covers topics including:

- An introduction to basic ordinary and partial differential equations
- The concept of fundamental solutions using Green's function approaches
- Polynomial approximations and interpolations, quadrature rules, and iterative numerical methods to solve linear systems of equations
- Higher-dimensional interpolation procedures
- Stability and convergence analysis of FEM for differential equations

This book is ideal for upper-level undergraduate and graduate students in natural science and engineering. It belongs on the shelf of anyone seeking to improve their understanding of differential equations.

### Contributor Bio

**MOHAMMAD ASADZADEH, PHD** is Professor of Applied Mathematics at the Department of Mathematical Sciences, Chalmers University of Technology and University of Gothenburg. His primary research interests include the numerical analysis of hyperbolic pdes, as well as convection-diffusion and integro-differential equations.

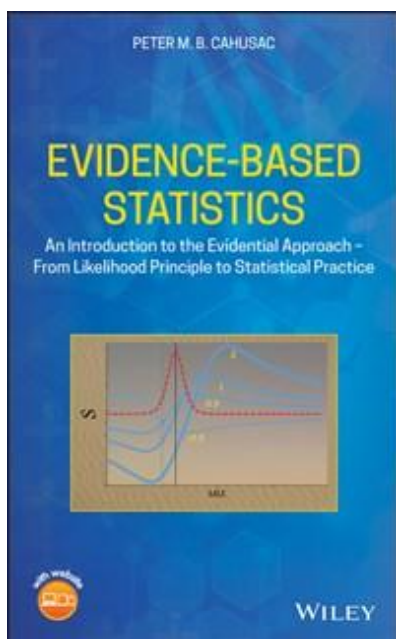


## **Gauge Integral Structures for Stochastic Calculus and Quantum Electrodynamics**

Patrick Muldowney

Wiley-Blackwell  
9781119595496  
Ship Date: 08/12/2020  
\$125.00/£94.95 UK/€106.90 EU  
Discount Code: P  
Hardcover

200 Pages



Wiley-Blackwell  
97811119549802  
Ship Date: 08/12/2020  
\$110.00/£83.50 UK/€94.10 EU  
Discount Code: P  
Hardcover

256 Pages

## An Introduction to Evidence Based Statistics

Peter M. B. Cahusac

### Summary

*Evidence-Based Statistics: An Introduction to the Evidential Approach – from Likelihood Principle to Statistical Practice* provides readers with a comprehensive and thorough guide to the evidential approach in statistics. The approach uses likelihood ratios, rather than the probabilities used by other statistical inference approaches. The evidential approach is conceptually easier to grasp, and the calculations more straightforward to perform. This book explains how to express data in terms of the strength of statistical evidence for competing hypotheses.

The evidential approach is currently underused, despite its mathematical precision and statistical validity. *Evidence-Based Statistics* is an accessible and practical text filled with examples, illustrations and exercises. Additionally, the companion website complements and expands on the information contained in the book.

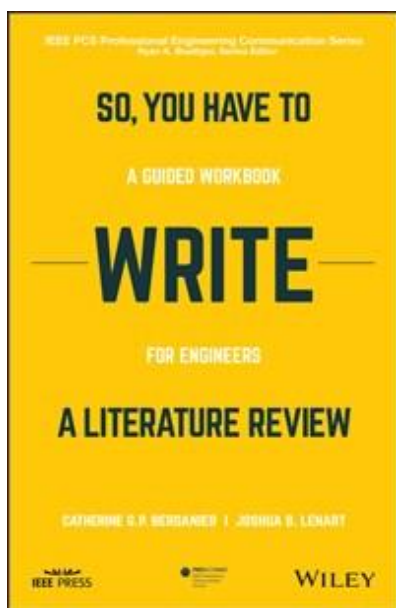
While the evidential approach is unlikely to replace probability-based methods of statistical inference, it provides a useful addition to any statistician's "bag of tricks." In this book:

- It explains how to calculate statistical evidence for commonly used analyses, in a step-by-step fashion
- Analyses include: t tests, ANOVA (one-way, factorial, between- and within-participants, mixed), categorical analyses (binomial, Poisson, McNemar, rate ratio, odds ratio, data that's 'too good to be true', multi-way tables), correlation, regression and nonparametric analyses (one sample, related samples, independent samples, multiple independent samples, permutation and bootstraps)
- Equations are given for all analyses, and R statistical code provided for many of the analyses
- Sample size calculations for evidential probabilities of misleading and weak evidence are explained
- Useful techniques, like Matthews's critical prior interval, Goodman's Bayes factor, and Armitage's stopping rule are described

Recommended for undergraduate and graduate students in any field that relies heavily on statistical analysis, as well as active researchers and professionals in those fields, *Evidence-Based Statistics: An Introduction to the Evidential Approach – from Likelihood Principle to Statistical Practice* belongs on the bookshelf of anyone who wants to amplify and empower their approach to statistical analysis.

### Contributor Bio

**Peter M.B. Cahusac PhD**, received his doctorate in neuropharmacology from the Medical School Bristol at University in 1984. He completed post-doctoral studies at Oxford University where he obtained an MSc in Applied Statistics in 1992. He is a member of the British Pharmacological Society, and Fellow of the Physiological (UK) and the Royal Statistical Societies. He is currently Associate Professor in Biostatistics and Pharmacology at Alfaisal University in Riyadh, Saudi Arabia.



Wiley-Blackwell  
 9781119555025  
 Ship Date: 08/12/2020  
 \$59.95/£45.50 UK/€51.30 EU  
 Discount Code: P  
 Paperback  
 160 Pages  
 Series: IEEE PCS Professional  
 Engineering Communication Series

## So, You Have to Write a Literature Review

### A Guided Workbook for Engineers

Catherine Berdanier, Joshua Lenart

#### Summary

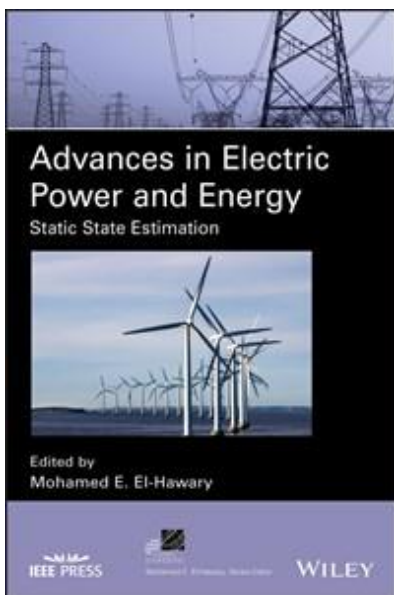
Is a literature review looming in your future? Are you procrastinating on writing a literature review at this very moment? If so, this is the book for you. Writing often causes trepidation and procrastination for engineering students—issues that compound while writing a literature review, a type of academic writing most engineers are never formally taught. Consider this workbook as a “couch-to-5k” program for engineering writers rather than runners: if you complete the activities in this book from beginning to end, you will have a literature review draft ready for revision and content editing by your research advisor.

*So, You Have to Write a Literature Review* presents a dynamic and practical method in which engineering students—typically late-career undergraduates or graduate students—can learn to write literature reviews, and translate genre-based writing instruction into easy-to-follow, bite-sized activities and content. Written in a refreshingly conversational style while acknowledging that writing is quite difficult, Catherine Berdanier and Joshua Lenart leverage their unique disciplinary backgrounds with decades of experience teaching academic engineering writing in this user-friendly workbook

#### Contributor Bio

**DR. CATHERINE BERDANIER** is an Assistant Professor of Mechanical Engineering in the Department of Mechanical Engineering at Pennsylvania State University at University Park. She holds an M.S. in Aeronautical Engineering and a Ph.D. in Engineering Education from Purdue University. Her research focuses mainly on graduate-level engineering education with emphasis on engineering writing and communication, attrition, and persistence. Her research has been funded through multiple NSF awards. She is the Director of the Engineering Cognitive Research Laboratory (E-CRL), where she and her graduate students investigate questions concerning the human side of engineering through a variety of quantitative, qualitative, experimental, and analytical methods.

**DR. JOSHUA LENART** is an Associate Instructor with the Communication, Leadership, Ethics, and Research (CLEAR) Program at the University of Utah where he also received his Ph.D. in Writing and Rhetoric Studies and now teaches technical communication for the College of Engineering. His teaching expertise includes administrative and organizational writing, grant writing, teambuilding, and strategic communications. His research expertise focuses on natural resource management policy as it relates to landscape-scale impacts on wildlife habitat, hydrologic systems, community resilience, adaptation planning, and long-term land use conservation. For the past five years, he has led various transdisciplinary research projects examining land, water, and wildlife resource management conflicts vis-à-vis policy, stakeholder input, feasibility and environmental impact assessment, and collective impact engagement.



Wiley-Blackwell  
 9781119480464  
 Ship Date: 10/12/2020  
 \$140.00/£107.00 UK/€119.70 EU  
 Discount Code: P  
 Hardcover

528 Pages  
 Series: IEEE Press Series on Power  
 Engineering

## Advances in Electric Power and Energy

### Static State Estimation

Mohamed E. El-Hawary

### Summary

#### **A guide to the role of static state estimation in the mitigation of potential system failures**

With contributions from a noted panel of experts on the topic, *Advances in Electric Power and Energy: Static State Estimation* addresses the wide-range of issues concerning static state estimation as a main energy control function and major tool for evaluating prevailing operating conditions in electric power systems worldwide.

This book is an essential guide for system operators who must be fully aware of potential threats to the integrity of their own and neighboring systems. The contributors provide an overview of the topic and review common threats such as cascading black-outs to model-based anomaly detection to the operation of micro-grids and much more. The book also includes a discussion of an effective mathematical programming approach to state estimation in power systems. *Advances in Electric Power and Energy* reviews the most recent developments in the field and:

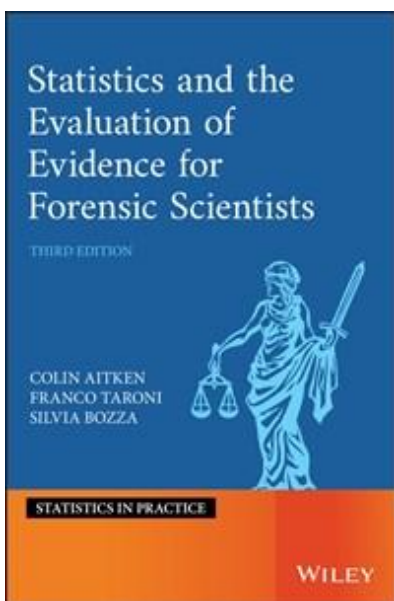
- Offers an introduction to the topic to help non-experts (and professionals) get up-to-date on static state estimation
- Covers the essential information needed to understand power system state estimation written by experts on the subject
- Discusses a mathematical programming approach

Written for electric power system planners, operators, consultants, power system software developers, and academics, *Advances in Electric Power and Energy* is the authoritative guide to the topic with contributions from experts who review the most recent developments.

### Contributor Bio

**MOHAMED E. EL-HAWARY, PhD**, is Professor of Electrical and Computer Engineering at Dalhousie University. He is also the Editor for the IEEE Press Power Engineering Series. He has published multiple books with Wiley-IEEE Press, including *Principles of Electric Machines with Power Electronic Applications, Second Edition*, and *Electrical Power Systems: Design and Analysis*.





Wiley-Blackwell  
 9781119245223  
 Ship Date: 10/12/2020  
 \$130.00/£101.75 UK/€112.40 EU  
 Discount Code: P  
 Hardcover

600 Pages  
 Series: Statistics in Practice

## Statistics and the Evaluation of Evidence for Forensic Scientists (3rd Edition)

Colin Aitken, Franco Taroni, Silvia Bozza

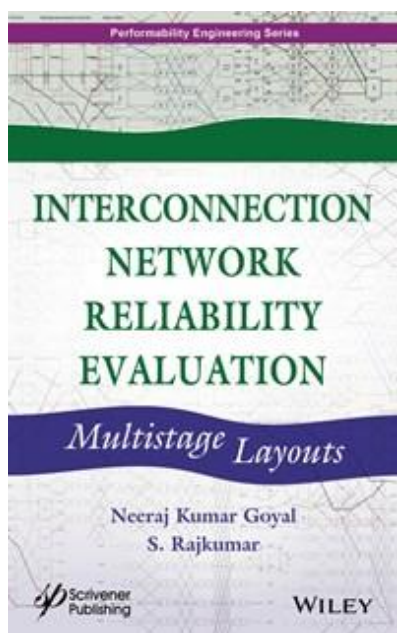
### Summary

**The leading resource in the statistical evaluation and interpretation of forensic evidence**

The third edition of *Statistics and the Evaluation of Evidence for Forensic Scientists* is fully updated to provide the latest research and developments in the use of statistical techniques to evaluate and interpret evidence. Courts are increasingly aware of the importance of proper evidence assessment when there is an element of uncertainty. Because of the increasing availability of data, the role of statistical and probabilistic reasoning is gaining a higher profile in criminal cases. That's why lawyers, forensic scientists, graduate students, and researchers will find this book an essential resource, one which explores how forensic evidence can be evaluated and interpreted statistically. It's written as an accessible source of information for all those with an interest in the evaluation and interpretation of forensic scientific evidence.

- Discusses the entire chain of reasoning—from evidence pre-assessment to court presentation;
- Includes material for the understanding of evidence interpretation for single and multiple trace evidence;
- Provides real examples and data for improved understanding.

Since the first edition of this book was published in 1995, this respected series has remained a leading resource in the statistical evaluation of forensic evidence. It shares knowledge from authors in the fields of statistics and forensic science who are international experts in the area of evidence evaluation and interpretation. This book helps people to deal with uncertainty related to scientific evidence and propositions. It introduces a method of reasoning that shows how to update beliefs coherently and to act rationally. In this edition, readers can find new information on the topics of elicitation, subjective probabilities, decision analysis, and cognitive bias, all discussed in a Bayesian framework.



John Wiley & Sons  
 9781119620587  
 Ship Date: 06/12/2020  
 \$175.00/£133.00 UK/€149.60 EU  
 Discount Code: P  
 Hardcover

240 Pages  
 Series: Performability Engineering  
 Series

## Interconnection Network Reliability Evaluation

### Multistage Layouts

Neeraj Kumar Goyal, S. Rajkumar

### Summary

Keeping in view the growth of the technological frontiers, there is always a need for the development of reliable, fault tolerant and cost- effective interconnection networks (INs) which are the critical metrics to achieve the goal of parallelism.

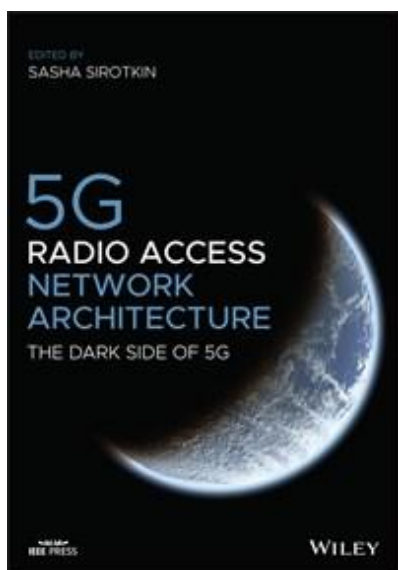
The main objective of this book is to design new fault tolerant interconnection network layouts capable of path redundancy among dynamic failures. New INs designs are proposed and their observed results are found promising when compared with some of the earlier networks.

The book also covers the reliability evaluation of various industrial network topologies considering multiple reliability performance parameters (2-TR, broadcast and ATR). Finally, the book also focuses on reliability evaluation and comparison of various topologies considering connectivity among multiple sources and multiple destinations (MSMT) nodes.

### Contributor Bio

**Dr. Neeraj Kumar Goyal** is currently an Associate Professor in Subir Chowdhury School of Quality and Reliability, Indian Institute of Technology (IIT), Kharagpur, India. He received his PhD degree from IIT Kharagpur in reliability engineering in 2006. His areas of research and teaching are network reliability, software reliability, electronic system reliability, reliability testing, probabilistic risk/safety assessment, and reliability design. He has completed various research and consultancy projects for various organizations, e.g. DRDO, NPCIL, Vodafone, and ECIL. He has contributed several research papers to various international journals and conference proceedings.

**Dr. S. Rajkumar** received his BE (Distinction) and ME (Distinction) degrees from Anna University, India, in 2009 and 2011, respectively. He obtained his PhD from the Indian Institute of Technology Kharagpur, India in 2017. Currently working as an Assistant Professor in Department of ECE at Adama Science and Technology University (ASTU), Ethiopia. His research interests include reliability engineering and interconnection networks. He has contributed notable research papers to international journals.



## 5G Radio Access Network Architecture

### The Dark Side of 5G

Sasha Sirotkin

#### Summary

Written by an industry insider with state of the art research at their fingertips, this book describes the Radio Access Network (RAN) architecture, starting with currently deployed 4G, followed by the description of 5G requirements and why re-thinking of the RAN architecture is needed to support these. Based on these considerations, it explains how 5G network architecture, which is currently being defined, is likely to evolve. The aim is not merely to cover relevant standards and technologies as a purely academic exercise (although a significant part of the book will be dedicated to these), but to augment these by practical deployment, to illustrate why the RAN architecture is changing and where it is going. With 5G deployments on the horizon, there is a desire within companies to both re-think the RAN architecture and to change the proprietary nature of the RAN. Correspondingly, there is increased interest in academia, standards bodies and commercial entities involved in the area.

Wiley-IEEE Press

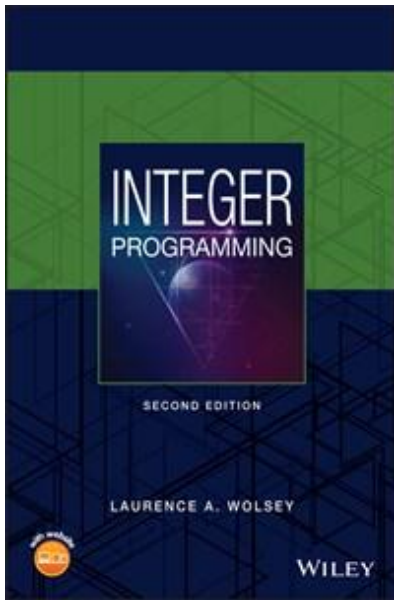
9781119550884

\$135.00

Hardcover

400 Pages

Series: Wiley - IEEE



## **Integer Programming (2nd Edition)**

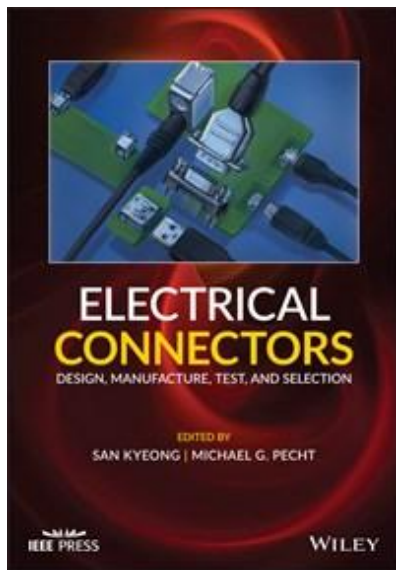
Laurence A. Wolsey

### **Summary**

This is an updated version of *Integer Programming* by Laurence A. Wolsey, which covers techniques for modeling and solving Integer Programming problems. The book has been significantly updated and revised since the first edition's publication over twenty years ago. The chapters on Column Generation have been completely rewritten. The chapter on Heuristics has been significantly updated, as well as the final chapter on "From Theory to Solutions". In the final chapter, the use of modelling languages and MIP solvers are brought up-to-date. A few new applications are discussed in Chapters 12 and 14. Additionally, the major commercial use of Linear Programming-based solvers is now to solve mixed integer programs. Therefore, it is now important to have a relatively simple book at a level that industrial users can learn from and use to solve their specific MIP problems. This book fills that need. It is a great resource for scientifically oriented Master's students as well as industrial users who need to solve hard integer programs and/or develop programs of some of the basic algorithms

Wiley  
9781119606536  
\$125.00  
Hardcover

384 Pages



## Electrical Connectors

### Design, Manufacture, Test, and Selection

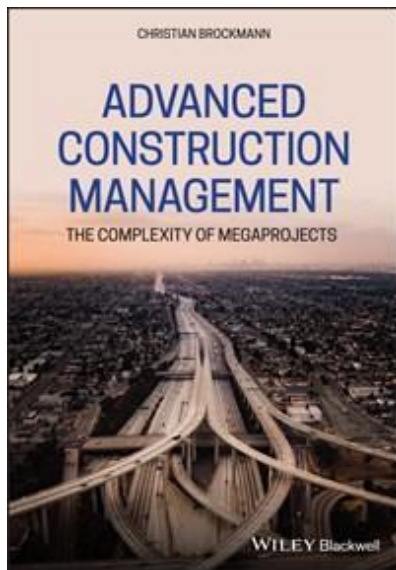
San Kyeong, Michael G. Pecht

#### Summary

This book covers everything required to design, manufacture and select a connector for any targeted application. It covers the science of contact physics, and the engineering involved in the choice and manufacture of contact materials, contact finishes, housing materials and the full connector assembly process. Test methods and performance and reliability concerns and guidelines are then given and various application requirements and selection considerations are discussed. This book is intended for a wide electrical engineering readership, and will appeal to both introductory and advanced levels.

Wiley-Blackwell  
 9781119679769  
 Ship Date: 17/12/2020  
 \$140.00/£115.00 UK/€139.00 EU  
 Discount Code: P  
 Hardcover

400 Pages  
 Series: Wiley – IEEE



## **Advanced Construction Management**

### **The Complexity of Megaprojects**

Christian Brockmann

#### **Summary**

Advanced Construction Management covers all aspects of megaproject management from the contractor's perspective, providing all stakeholders with a better understanding of the complexity of megaprojects and contractors with better concepts and tools for achieving impeccable implementation. It describes the structure, mechanics and dynamics of megaprojects and the management activities required, as well as giving the reader appropriate tools for the management of megaprojects and for managing stakeholder integration.

Wiley-Blackwell  
 9781119554769  
 Ship Date: 17/12/2020  
 \$115.00/£59.95 UK/€68.20 EU  
 Discount Code: P  
 Hardcover

288 Pages

# A Handbook for the Sustainable Use of Timber in Construction

Jim Coulson

No Image  
Available

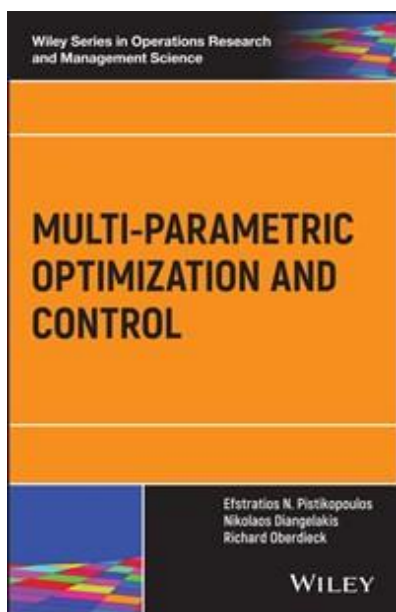
## Summary

There is a growing interest in the use of wood in new building, not least because it has low embodied energy and it is an infinitely renewable resource. Despite a great deal of innovation in the use of wood in construction in recent years, the fundamentals of using this natural material have not really changed: the different types of wood have different properties and differing responses to the environment in which they are used. When used correctly, wood is an excellent building material but when inappropriately specified or used, it may cause problems. Poor understanding of the properties of wood and the many species and grades that are commercially available can result in this versatile material performing below expectation, and certainly less well than could have been achieved with greater understanding about how best to use it.

*How Wood Works* is a combination of the author's two previous books, into one comprehensive volume. Revised and updated material to deal with the essentials of structural design and building in timber, in a sustainable manner while reflecting on changes in Standards and other Regulations and expanding on certain technical areas – such as more detailed wood science and wood structure.

Wiley-Blackwell  
9781119701095  
Ship Date: 17/12/2020  
\$95.00/£69.95 UK/€79.70 EU  
Discount Code: P  
Hardcover  
288 Pages





Wiley-Blackwell  
 9781119265184  
 Ship Date: 21/12/2020  
 \$135.00/£102.00 UK/€115.40 EU  
 Discount Code: P  
 Hardcover

320 Pages  
 Series: Wiley Series in Operations  
 Research and Management  
 Science

## Multi-parametric Optimization and Control

Efstratios N. Pistikopoulos, Nikolaos Diangelakis,...

### Summary

#### Recent developments in multi-parametric optimization and control

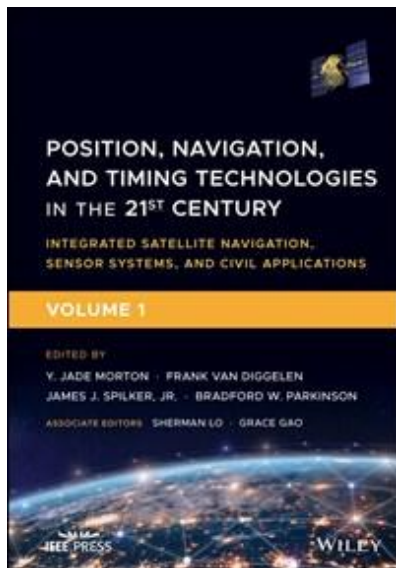
*Multi-Parametric Optimization and Control* provides comprehensive coverage of recent methodological developments for optimal model-based control through parametric optimization. It also shares real-world research applications to support deeper understanding of the material.

Researchers and practitioners can use the book as reference. It is also suitable as a primary or a supplementary textbook. Each chapter looks at the theories related to a topic along with a relevant case study. Topic complexity increases gradually as readers progress through the chapters. The first part of the book presents an overview of the state-of-the-art multi-parametric optimization theory and algorithms in multi-parametric programming. The second examines the connection between multi-parametric programming and model-predictive control—from the linear quadratic regulator over hybrid systems to periodic systems and robust control.

The third part of the book addresses multi-parametric optimization in process systems engineering. A step-by-step procedure is introduced for embedding the programming within the system engineering, which leads the reader into the topic of the PAROC framework and software platform. PAROC is an integrated framework and platform for the optimization and advanced model-based control of process systems.

- Uses case studies to illustrate real-world applications for a better understanding of the concepts presented
- Covers the fundamentals of optimization and model predictive control
- Provides information on key topics, such as the basic sensitivity theorem, linear programming, quadratic programming, mixed-integer linear programming, optimal control of continuous systems, and multi-parametric optimal control

An appendix summarizes the history of multi-parametric optimization algorithms. It also covers the use of the parametric optimization toolbox (POP), which is comprehensive software for efficiently solving multi-parametric programming problems.



## Position, Navigation, and Timing Technologies in the 21st Century, Volume 1

Integrated Satellite Navigation, Sensor Systems, and Civil Applications

Jade Morton, Frank van Diggelen, James Spilker, Jr...

Wiley-Blackwell  
 9781119458418  
 Ship Date: 21/12/2020  
 \$195.00/£148.00 UK/€166.70 EU  
 Discount Code: P  
 Hardcover  
 1288 Pages



## Position, Navigation, and Timing Technologies in the 21st Century, Volume 2

**Integrated Satellite Navigation, Sensor Systems, and Civil Applications**

Jade Morton, Frank van Diggelen, James Spilker, Jr...

Wiley-Blackwell  
 9781119458494  
 Ship Date: 21/12/2020  
 \$195.00/£148.00 UK/€166.70 EU  
 Discount Code: P  
 Hardcover

912 Pages

# Position, Navigation, and Timing Technologies in the 21st Century

**Integrated Satellite Navigation, Sensor Systems, and Civil Applications**

Jade Morton, Frank van Diggelen, James Spilker, Jr...

No Image  
Available

## Summary

**Covers the latest developments in PNT technologies, including integrated satellite navigation, sensor systems, and civil applications**

Featuring sixty-four chapters that are divided into six parts, this two-volume work provides comprehensive coverage of the state-of-the-art in satellite-based position, navigation, and timing (PNT) technologies and civilian applications. It also examines alternative navigation technologies based on other signals-of-opportunity and sensors and offers a comprehensive treatment on integrated PNT systems for consumer and commercial applications.

Volume 1 of *Position, Navigation, and Timing Technologies in the 21st Century: Integrated Satellite Navigation, Sensor Systems, and Civil Applications* contains three parts and focuses on the satellite navigation systems, technologies, and engineering and scientific applications. It starts with a historical perspective of GPS development and other related PNT development. Current global and regional navigation satellite systems (GNSS and RNSS), their inter-operability, signal quality monitoring, satellite orbit and time synchronization, and ground- and satellite-based augmentation systems are examined. Recent progresses in satellite navigation receiver technologies and challenges for operations in multipath-rich urban environment, in handling spoofing and interference, and in ensuring PNT integrity are addressed. A section on satellite navigation for engineering and scientific applications finishes off the volume. The second volume consists of three parts and addresses PNT using alternative signals and sensors and integrated PNT technologies for consumer and commercial applications. It looks at PNT using various radio signals-of-opportunity, atomic clock, optical, laser, magnetic field, celestial, MEMS and inertial sensors, as well as the concept of navigation from Low-Earth Orbiting (LEO) satellites. GNSS-INS integration, neuroscience of navigation, and animal navigation are also covered. The volume finishes off with a collection of work on contemporary PNT applications such as survey and mobile mapping, precision agriculture, wearable systems, automated driving, train control, commercial unmanned aircraft systems, aviation, and navigation in the unique Arctic environment. In addition, this text:

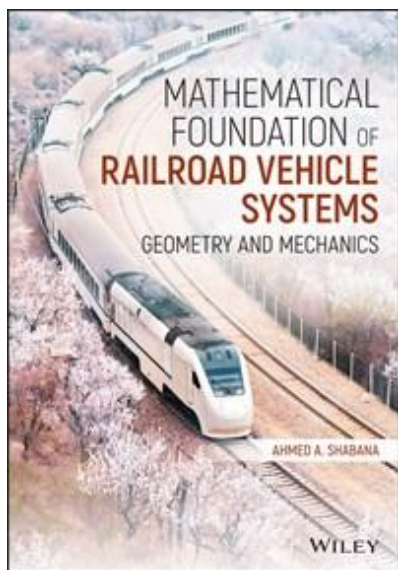
- Serves as a complete reference and handbook for professionals and students interested in the broad range of PNT subjects
- Includes chapters that focus on the latest developments in GNSS and other na...

## Contributor Bio

**Y. Jade Morton, PhD** is a Professor at Ann and H. J. Smead Aerospace Engineering Sciences Department, University of Colorado at Boulder. Her research interests lie at the intersection of satellite navigation and remote sensing of the space environment, atmosphere, and Earth surface. She has led numerous research projects sponsored by AFOSR, AFRL, DARPA, NASA, NSF, ONR, and private industries. Dr. Morton is the President of the Institute of Navigation (ION), a fellow of IEEE, ION, and the Royal Institute of Navigation (RIN, UK).

**Frank Van Diggelen, PhD** is a Principal Engineer at Google, where he leads the Android Core-Location Team. He also teaches at Stanford University. He is the

Wiley-Blackwell  
9781119458340  
Ship Date: 21/12/2020  
\$331.50/£251.00 UK/€283.40 EU  
Discount Code: P  
Hardcover  
2144 Pages



## Mathematical Foundation of Railroad Vehicle Systems

### Geometry and Mechanics

Ahmed A. Shabana

#### Summary

Mathematical Foundation of Railroad Vehicle Systems: Geometry and Mechanics develops the mathematical foundation of railroad vehicle systems with emphasis placed on the integration of geometry and mechanics. This geometry/mechanics integration is necessary for developing a sound mathematical foundation, accurate formulation of the nonlinear dynamic equations, and general computational algorithms that can be effectively used in the virtual prototyping, analysis, design, and performance evaluation of railroad vehicle systems. Mathematical Foundation of Railroad Vehicle Systems: Geometry and Mechanics introduces basic concepts, formulations and computational algorithms used in railroad vehicle system dynamics. Shows how new mechanics-based approaches such as the absolute nodal coordinate formulation (ANCF) can be used to achieve the geometry/mechanics integration. It also discusses new problems and issues to be addressed in this area, and describes how geometry and mechanics approaches can be used in studying derailments.

Wiley  
9781119689041  
\$140.00  
Hardcover

450 Pages

## **Enabling the Internet of Things**

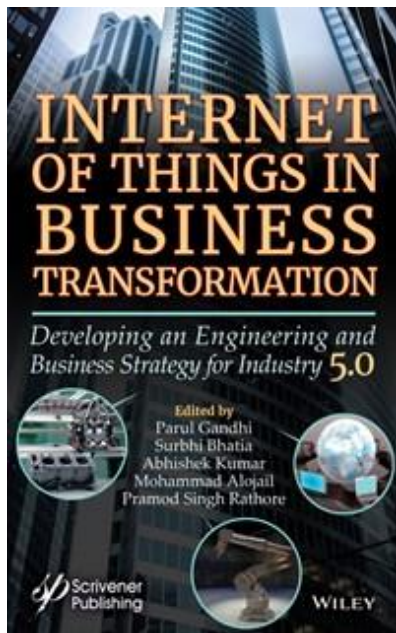
### **Fundamentals, Design and Applications**

Muhammad A. Iqbal, Sajjad Hussain, Huanlai Xing, M...

No Image  
Available

Wiley-Blackwell  
9781119701255  
Ship Date: 24/12/2020  
\$125.00/£95.00 UK/€107.40 EU  
Hardcover

220 Pages  
Series: Wiley – IEEE



## **Internet of Things in Business Transformation**

### **Developing an Engineering and Business Strategy for Industry 5.0**

Parul Gandhi, Surbhi Bhatia, Abhishek Kumar, Moham...

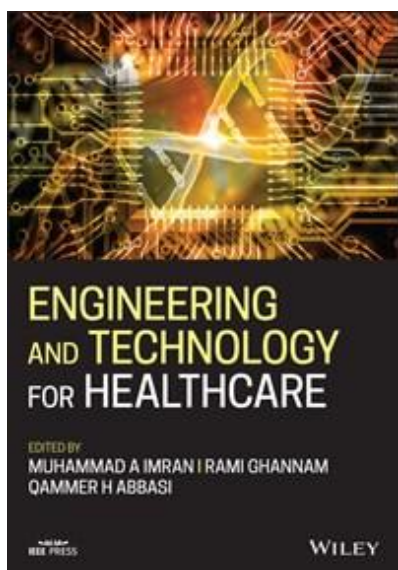
#### **Summary**

The objective of this book is to teach what IoT is, how it works, and how it can be successfully utilized in business. This book helps to develop and implement a powerful IoT strategy for business transformation as well as project execution. Digital change, business creation/change and upgrades in the ways and manners in which we work, live, and engage with our clients and customers, are all enveloped by the Internet of Things which is now named "Industry 5.0" or "Industrial Internet of Things. The sheer number of IoT(a billion+), demonstrates the advent of an advanced business society led by sustainable robotics and business intelligence. This book will be an indispensable asset in helping businesses to understand the new technology and thrive.

John Wiley & Sons  
9781119711124  
Ship Date: 28/12/2020  
\$195.00/£148.00 UK/€166.70 EU  
Discount Code: P  
Hardcover

320 Pages





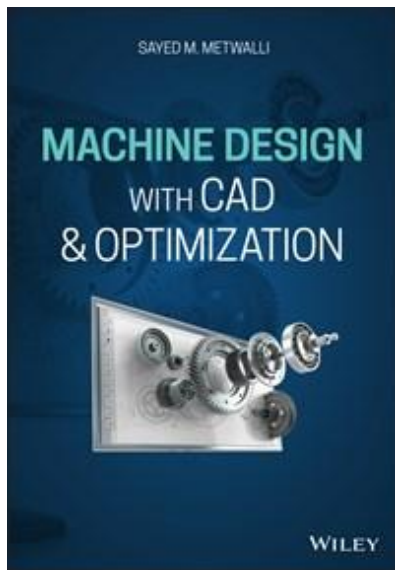
## Engineering and Technology for Healthcare

Muhammad A. Imran, Rami Ghannam, Qammer H. Abbasi

### Summary

Innovation in healthcare is currently a “hot” topic. Innovation allows us to think differently, to take risks and to develop ideas that are far better than existing solutions. Currently, there is no single book that covers all topics related to microelectronics, sensors, data, system integration and healthcare technology assessment in one reference. This book aims to critically evaluate current state-of-the-art technologies and provide readers with insights into developing new solutions. With contributions from a fully international team of experts across electrical engineering and biomedical fields, the book discusses how advances in sensing technology, computer science, communications systems and proteomics/genomics are influencing healthcare technology today.

Wiley  
 9781119644248  
 \$120.00  
 Hardcover  
 300 Pages  
 Series: Wiley - IEEE



## Machine Design with CAD and Optimization

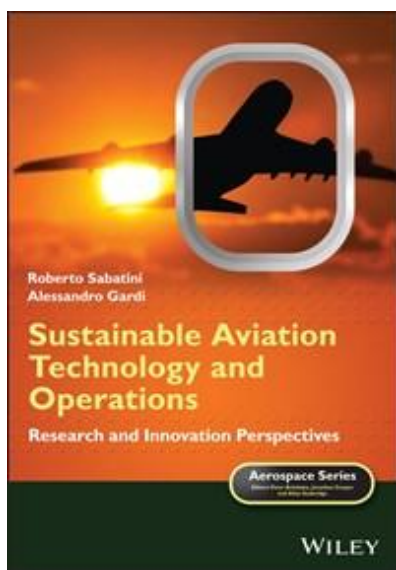
Sayed M Metwalli

### Summary

This book is designed to provide the new Computer Aided Design and Optimization tools and skills to generate real design synthesis of machine elements and systems on solid ground for better products and systems. This work provides the tool to directly obtain the synthesized real optimization tools to define the geometry and the particular selection of material. This is a new approach and a straightforward paradigm. It is divided into the following four parts: - Introduction and Design Considerations - Knowledge-based design: Introduction to the new Machine Element Design Synthesis - Introduction to computer aided design and optimization as tools used for Synthesis - Design of machine elements: rigorous traditional detailed design requirements These parts will include overview of chapters and enlightening design requirements.

Wiley-Blackwell  
 9781119156642  
 Ship Date: 31/12/2020  
 \$130.00/£81.50 UK/€92.10 EU  
 Discount Code: P  
 Hardcover

960 Pages



Wiley-Blackwell  
9781118932582  
Ship Date: 31/12/2020  
\$140.00/£88.95 UK/€100.60 EU  
Discount Code: P  
Hardcover

550 Pages  
Series: Aerospace Series

## Sustainable Aviation Technology and Operations

### Research and Innovation Perspectives

Roberto Sabatini

### Summary

#### Sustainable Aviation Engineering and Operations

Roberto Sabatini, RMIT University, Australia

***Comprehensively covers recent technological and operational developments to enhance the environmental sustainability of aviation***

*Sustainable Aviation Engineering and Operations* provides an updated outlook of the main research and development initiatives currently ongoing in the aeronautics and air transport domain, with emphasis on the overall environmental objectives and current achievements.

The book discusses some of the most promising advances in sustainable aircraft, airport and air traffic management systems design and operations including: aerodynamics, propulsion, structures, materials, biofuels, avionics, airframe systems, autonomous systems, airside and landside, air traffic flow management and dynamic airspace management. Representative air transport business models are also covered, starting from operational cost breakdown analysis and including key drivers associated with commercial flight. The physical processes associated with production and environmental impacts of various aircraft emissions, including air pollutants, noise and contrails, are presented to support the development of computational models for aircraft design, mission planning and trajectory optimisation.

A set of relevant case studies concludes and complements the book, addressing aircraft design, systems design and mission optimisation for a more efficient and environmentally sustainable air transport.

#### Key features:

- **Addresses recent advances in aviation sustainability including multidisciplinary design approaches and multi-objective operational optimisation methods.**
- **Contains important research and industrially relevant contributions from world-class experts.**
- **Includes a number of application case studies, addressing aircraft design, airport greening and air traffic management evolutions.**

The book is essential reading for students, researchers and practitioners in sustainable aviation engineering and operations.

#### Contributor Bio

Roberto Sabatini is a Professor of Aerospace Engineering with more than 25 years of experience in the Aerospace and Defence Industry and in Academia. He is an expert in Avionics, Air Traffic Management (ATM) and Unmanned Aircraft Systems (UAS), with specific hands-on competence in Guidance, Navigation and Control, Aviation Human Factors and Multi-Sensor Data Fusion for civil and military aerospace applications. During his career, he was responsible for numerous research and flight test programs on airplanes, helicopters and UAS.



# Polity



# DEMOCRACY AGAINST LIBERALISM

AVIEZER TUCKER

## Democracy Against Liberalism

**Its Rise and Fall**

Aviezer Tucker

### Summary

It should not surprise anyone that democracies can become dangerously illiberal; indeed, it was one of the classical critiques of ancient democracies. Is the contemporary backlash against liberal democracy merely the same old story, or are we witnessing something unprecedented?

In this witty and engaging book, Aviezer Tucker argues that the contemporary revival of authoritarian populism combines the historically familiar with new technologies to produce a highly unstable and contagious new synthesis that threatens basic liberal norms, from freedom of the press to independent judiciaries. He examines how the economic crisis blocked social mobility and thereby awakened the dark, dormant political passions exploited by demagogues such as Orban and Trump. He argues that this slide towards 'neo-illiberal democracy' can be countered if we hard-headedly restore a 'liberalism without nostalgia' which institutes policies that can dampen down populist passions and strengthen liberal institutional barriers against them.

Readers interested in current affairs, social science, history, and political and social theory will find Aviezer Tucker's original theoretical and historical analysis incisive, innovative, and entertaining.

### Contributor Bio

**Aviezer Tucker** is a political theorist and philosopher. He is an Associate at the Davis Center for Russian and Eurasian Studies, Harvard University, where he works on post-totalitarianism and the philosophy of history. He is the author of *The Legacies of Totalitarianism* (2015) and *Our Knowledge of the Past: A Philosophy of Historiography* (2004).

Polity Press  
9781509541201  
Ship Date: 31/07/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover  
200 Pages

**Property**  
Robert Lamb

/pr/

KEY CONCEPTS IN  
POLITICAL THEORY

## Property

Robert Lamb

### Summary

Few political ideas are as divisive and controversial for some – and yet taken for granted by others – as the ownership of private property. For critics, property is institutionalised theft, responsible for lamentable levels of inequality and poverty; for its defenders, private ownership is a fundamental right that protects individual freedom and ensures wider economic benefits for the community.

In this book, Robert Lamb explores philosophical arguments deployed to conceptualise, justify, and criticize private property ownership. After explaining what the right to ownership means, he introduces the radical case against property, as put by anarchist and socialist writers like Proudhon and Marx. He goes on to outline possible responses to this radical critique – through discussions and assessments of the various defences of property advanced by Locke, Hume, Hegel, J.S. Mill, and Nozick – before considering how more recent theorists, such as John Rawls and Elinor Ostrom, push us to rethink the nature of ownership in a democratic society.

This engaging synthesis of historical and contemporary theories of property will be essential reading for students and scholars of normative questions in political philosophy.

### Contributor Bio

**Robert Lamb** is Associate Professor and Director of Research at the University of Exeter

Polity Press  
9781509519194  
Ship Date: 09/09/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover  
  
176 Pages  
Series: Key Concepts in Political  
Theory



## The Meaning of Thought



MARKUS GABRIEL

Polity Press  
9781509538362  
Ship Date: 27/08/2020  
\$35.00/£25.00 UK/€28.30 EU  
Discount Code: T  
Hardcover

256 Pages

## The Meaning of Thought

Markus Gabriel, Alex Englander

### Summary

From populist propaganda attacking knowledge as 'fake news' to the latest advances in artificial intelligence, human thought is under unprecedented attack today. If computers can do what humans can do and they can do it much faster, what's so special about human thought?

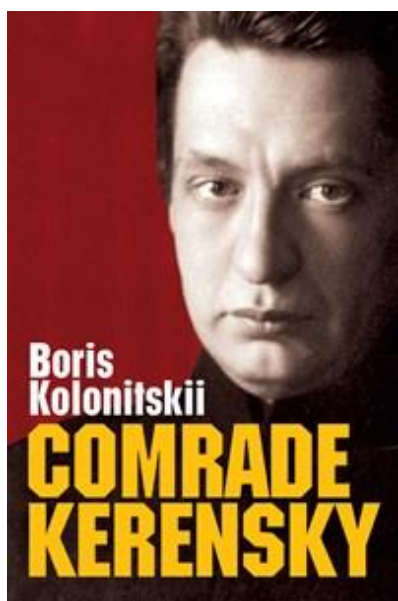
In this new book, bestselling philosopher Markus Gabriel steps back from the polemics to re-examine the very nature of human thought. He conceives of human thinking as a 'sixth sense', a kind of sense organ that is closely tied our biological reality as human beings. Our thinking is not a form of data processing but rather the linking together of images and imaginary ideas which we process in different sensory modalities. Our time frame expands far beyond the present moment, as our ideas and beliefs stretch far beyond the here and now. We are living beings and the whole of evolution is built into our life story. In contrast to some of the exaggerated claims made by proponents of AI, Gabriel argues that our thinking is a complex structure and organic process that is not easily replicated and very far from being superseded by computers.

With his usual wit and intellectual verve, Gabriel combines philosophical insight with pop culture to set out a bold defence of the human and a plea for an enlightened humanism for the 21st century. This timely book will be of great value to anyone interested in the nature of human thought and the relations between human beings and machines in an age of rapid technological change.

### Contributor Bio

**Markus Gabriel** holds the chair for Epistemology, Modern and Contemporary Philosophy at the University of Bonn and is also the Director of the International Center for Philosophy in Bonn.





## Comrade Kerensky

Boris Kolonitskii, Arch Tait

### Summary

As one of the heroes of the 1917 February Revolution and then Prime Minister at the head of the Provisional Government, Alexander Kerensky was passionately, even fanatically, lauded as a leader during his brief political reign. Symbolic artefacts – sculptures, badges and medals – featuring his likeness abounded. Streets were renamed after him, his speeches were quoted on gravestones and literary odes dedicated to him proliferated in the major press. But, by October, Kerensky had been unceremoniously dethroned in the Bolshevik takeover and had fled to Paris and then to the US, where he would remain exiled and removed from his former glory until his death. The breakneck trajectory of his rise and fall and the intensity of his popularity were not merely a symptom of the chaos of those times but offer a window onto a much broader historical phenomenon which did not just begin with Lenin and Stalin – the cult of the leader.

In this major new study of the Russian leadership cult, Boris Kolonitskii uses the figure of Kerensky to show how popular engagement with the idea of the leader became a key component of a cultural re-imagining of the political landscape after the fall of the monarchy. A parallel revolution was taking place on the level of creating a resonant political vocabulary where one had not existed before, and it was in the shared exercise of bestowing and dissolving authority that a politicised way of seeing began to emerge. Kolonitskii plots the unfurling of this symbolic revolution by examining the tapestry of images woven by Kerensky and those around him, and, in so doing, exposes his vital role in the development of nascent Soviet political culture.

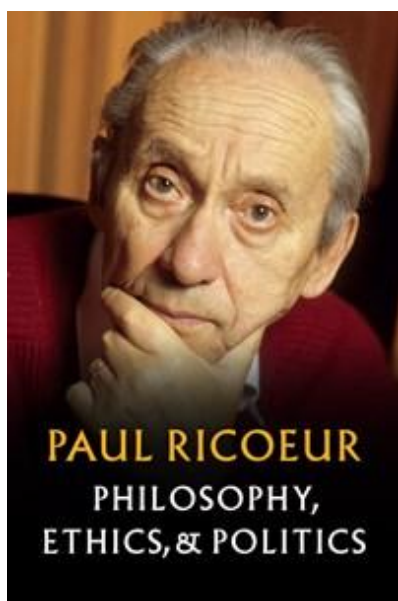
This highly original portrait of a revolutionary sheds new light on the cult of Kerensky that developed around this charismatic leader during the months following the overthrow of the tsar. It will be of value to students and scholars of Russian history and to those interested in political culture.

### Contributor Bio

**Boris Kolonitskii** is Professor of History at the European University at St. Petersburg.

Polity Press  
9781509533640  
Ship Date: 27/08/2020  
\$35.00/£25.00 UK/€28.30 EU  
Discount Code: ST  
Hardcover

450 Pages  
Series: New Russian Thought



## Philosophy, Ethics and Politics

Paul Ricoeur, Kathleen Blamey

### Summary

In this series of interviews and dialogues which took place between 1981 and 2003, Paul Ricoeur addresses some of the central questions of political philosophy and ethics: justice, violence, war, the environmental crisis, the question of evil, ethical and political action in the polis. Philosophical issues are brought to bear on present-day concerns and the practical realities of contemporary politics.

How can the philosopher speak about politics without claiming superior insight or a higher order of knowledge? Ricoeur distinguishes three levels of society: 'tools' (modes of production and the accumulation of technology), 'institutions' (which are tied to national cultures) and 'values' (which claim to be universal). The philosopher's task is to probe each of these levels and open up spaces for reflection, criticism and democratic deliberation. It is to explore the paradoxes of the political rather than invoking certainties dictated by conscience. Just as there no longer exists a grand narrative about the past, so too there is no longer any utopia capable of projecting the desired future. What remains is human creativity, which marks the source common to the institutional frameworks that are already present and the horizons that extend beyond them. The philosopher's engagement lies in the promise to revive this source at the very moment it appears to dry up under the weight of the real.

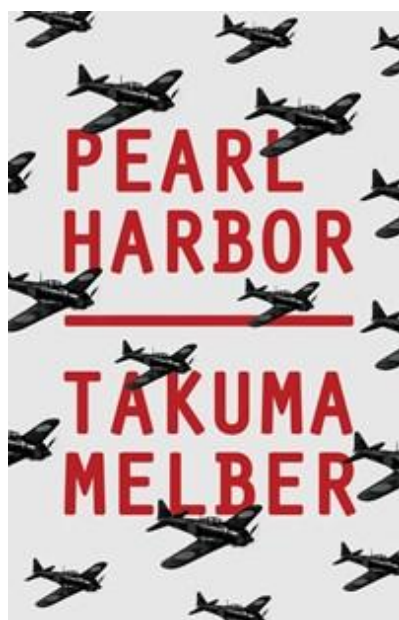
This volume of interviews and dialogues with one of the most important French philosophers of the post-war period will be of interest to anyone interested in the great political and ethical questions of our time.

### Contributor Bio

**Paul Ricoeur** (1913–2005) is widely recognized as one of the most distinguished philosophers of the twentieth century. He taught for many years at the University of Chicago. His many works include *Freud and Philosophy*, *Time and Narrative* and *Oneself as Another*.

Polity Press  
9781509534500  
Ship Date: 03/09/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

190 Pages



Polity Press  
 9781509537204  
 Ship Date: 04/09/2020  
 \$25.00/£20.00 UK/€22.60 EU  
 Discount Code: T  
 Hardcover  
 200 Pages

## Pearl Harbor

### Japan's Attack and America's Entry into World War II

Takuma Melber, Nick Somers

#### Summary

Hawaii, 7th December 1941, shortly before 8 in the morning: Japanese torpedo bombers launch a surprise attack on the US Pacific fleet anchored in Pearl Harbor. The devastating attack claims the lives of over 2,400 American soldiers, sinks or damages 18 ships and destroys nearly 350 aircraft. The US Congress declares war on Japan the following day.

In this vivid and lively book, Takuma Melber breathes new life into the dramatic events that unfolded before, during and after Pearl Harbor by putting the perspective of the Japanese attackers at the centre of his account. This is the dimension commonly missing in most other histories of Pearl Harbor, and it gives Melber the opportunity to provide a fuller, more definitive and authoritative account of the battle, its background and its consequences. Melber sheds new light on the long negotiations that went on between the Japanese and Americans in 1941, and the confusion and argument among the Japanese political and military elite. He shows how US intelligence and military leaders in Washington failed to interpret correctly the information they had and to draw the necessary conclusions about the Japanese war intentions in advance of the attack. His account of the battle itself is informed by the latest research and benefits from including the planning and post-raid assessment by the Japanese commanders. His account also covers the second raid in March 1942 by two long-range seaplanes which was intended to destroy the shipyards so that ships damaged in the initial attack could not be repaired.

This balanced and thoroughly researched book deepens our understanding of the battle that precipitated America's entry into the war and it will appeal to anyone interested in World War II and military history.

#### Contributor Bio

**Takuma Melber** teaches history and transcultural studies at Heidelberg University.



Polity Press  
 9781509536986  
 Ship Date: 07/09/2020  
 \$45.00/£35.00 UK/€39.60 EU  
 Discount Code: P  
 Hardcover

75 Pages

## What Times Are We Living In?

**A Conversation with Eric Hazan**

Jacques Rancière, Steve Corcoran

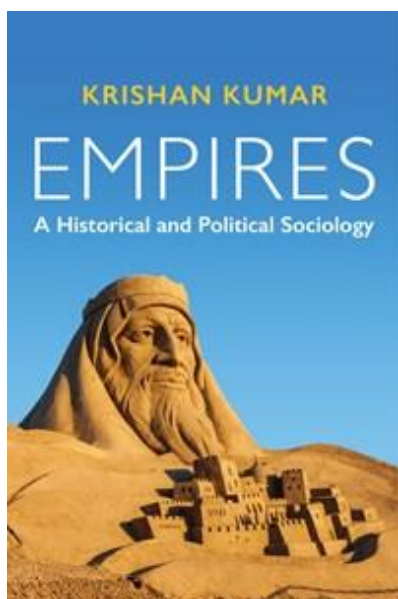
### Summary

In this short book, Jacques Rancière takes stock of the state of contemporary politics and examines current developments in the light of his writings. Rancière takes issue with what he sees as the consolidation in recent years of an increasingly oligarchic class of professional politicians within the system of representative democracy, while simultaneously objecting to leftist animosity towards electoral politics. He discusses a wide range of contemporary political movements and figures, from Nuit debout and Marine le Pen to Occupy, Trump, Syriza and Podemos, and he offers a trenchant critique of a variety of ideas and thinkers associated with radical politics, such as the ideas of immaterial labour and cognitive capitalism and the concept of insurrection put forward by the Invisible Committee. But above all he talks about the time in which it makes sense to talk about all this, a time for which history has made no promises and the past has left no lessons, only moments to be extended as far as possible. In politics, there are only presents. It is at every moment that the bonds of unequal servitude are renewed or that the paths of emancipation are invented.

Presented in the form of a dialogue between Jacques Rancière and Eric Hazan, this timely reflection by one of the most influential radical thinkers writing today will be of interest to a wide readership.

### Contributor Bio

**Jacques Rancière** is a leading French philosopher and Professor Emeritus of Philosophy at the University of Paris-St. Denis. He is the author of many books on politics and aesthetics including *Hatred of Democracy*, *The Emancipated Spectator*, *The Politics of Literature* and *The Edges of Fiction*.



Polity Press  
 9781509528356  
 Ship Date: 17/09/2020  
 \$24.95/£16.99 UK/€19.20 EU  
 Discount Code: P  
 Paperback

224 Pages

## Empires

### A Historical and Political Sociology

Krishan Kumar

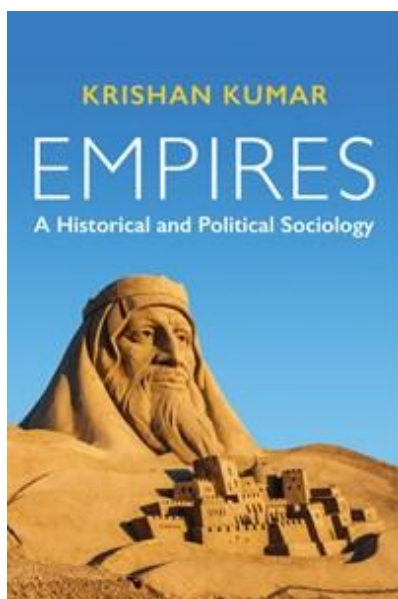
### Summary

Empires have been the commonest form of political organization for most of recorded history. How should we best understand them? What are their principles and how do they differ from other political forms, such as the nation-state? What sort of relations between rulers and ruled do they express? Do they, as many have held, follow a particular course of "rise, decline, and fall"? How and why do empires end, and with what consequences? Is the era of empire over?

This book explores these questions through a fascinating analysis of the major empires of world history and the present. It pays attention not just to the modern overseas empires of the Europeans, but also to the ancient empires of the Middle East and Mediterranean, the Islamic empires of the Arabs, Mughals, and Ottomans, and the two-thousand-year Chinese Empire. As Kumar shows, understanding empires helps us understand better the politics of our own times.

### Contributor Bio

**Krishan Kumar** is William R. Kenan, Jr. Professor of Sociology at the University of Virginia.



Polity Press  
 9781509528349  
 Ship Date: 17/09/2020  
 \$69.95/£55.00 UK/€62.20 EU  
 Discount Code: P  
 Hardcover

224 Pages  
 Series: Political Sociology

## Empires

### A Historical and Political Sociology

Krishan Kumar

### Summary

Empires have been the commonest form of political organization for most of recorded history. How should we best understand them? What are their principles and how do they differ from other political forms, such as the nation-state? What sort of relations between rulers and ruled do they express? Do they, as many have held, follow a particular course of "rise, decline, and fall"? How and why do empires end, and with what consequences? Is the era of empire over?

This book explores these questions through a fascinating analysis of the major empires of world history and the present. It pays attention not just to the modern overseas empires of the Europeans, but also to the ancient empires of the Middle East and Mediterranean, the Islamic empires of the Arabs, Mughals, and Ottomans, and the two-thousand-year Chinese Empire. As Kumar shows, understanding empires helps us understand better the politics of our own times.

### Contributor Bio

**Krishan Kumar** is William R. Kenan, Jr. Professor of Sociology at the University of Virginia.





THE  
UNCONTROLLABILITY  
OF THE WORLD

HARTMUT ROSA

Polity Press  
9781509543151  
Ship Date: 24/09/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

140 Pages

## The Uncontrollability of the World

Hartmut Rosa, James Wagner

### Summary

The driving cultural force of that form of life we call 'modern' is the desire to make the world controllable. Yet it is only in encountering the uncontrollable that we really experience the world – only then do we feel touched, moved and alive. A world that is fully known, in which everything has been planned and mastered, would be a dead world.

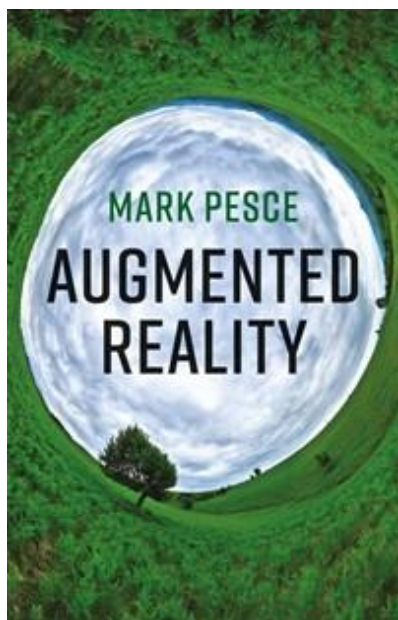
Our lives are played out on the border between what we can control and that which lies outside our control. But because we late-modern human beings seek to make the world controllable, we tend to encounter the world as a series of objects that we have to conquer, master or exploit. And precisely because of this, 'life,' the experience of feeling alive and truly encountering the world, always seems to elude us. This in turn leads to frustration, anger and even despair, which then manifest themselves in, among other things, acts of impotent political aggression. For Rosa, to encounter the world and achieve resonance with it requires us to be open to that which extends beyond our control. The outcome of this process cannot be predicted, and this is why moments of resonance are always concomitant with moments of uncontrollability.

This short book – the sequel to Rosa's path-breaking work on social acceleration and resonance – will be of great interest students and scholars in sociology and the social sciences and to anyone concerned with the nature of modern social life.

### Contributor Bio

**Hartmut Rosa** is Professor of Sociology at the Friedrich-Schiller-Universität Jena, Germany, and Director of the Max Weber Center for Advanced Cultural and Social Studies, Erfurt, Germany. His many books include *Social Acceleration* and *Resonance*.





## Augmented Reality

### Unboxing Tech's Next Big Thing

Mark Pesce

#### Summary

Slated as 'the next big thing in tech', augmented reality promises to take the screen out of our hands and wrap it around the world via 'smart spectacles'. As a pervasive, invisible interface between the world and our senses, AR offers unparalleled capacity to reveal hidden digital depths, but it also comes at a cost to our privacy, our property, and our reality.

In this crucial and provocative book, Mark Pesce draws on over thirty years' experience to offer the first mainstream exploration of augmented reality. He discusses the exciting and beneficial features of AR as well as the issues and risks raised by this still-emerging technology – a technology that moulds us by shaping what we see and hear.

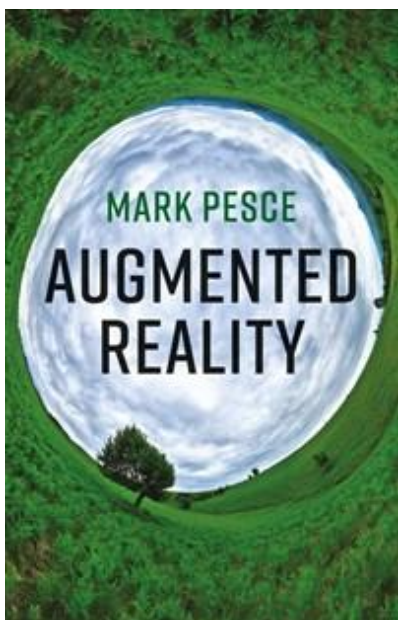
*Augmented Reality* is essential reading for anyone interested in the growing influence of this impressive but deeply concerning technology. As the book reveals, reality – once augmented – will never be the same.

#### Contributor Bio

**Mark Pesce** is an inventor, author, educator, entrepreneur, broadcaster and futurist.

Polity Press  
9781509540945  
Ship Date: 01/10/2020  
\$19.95/£14.99 UK/€17.00 EU  
Discount Code: T  
Paperback

160 Pages



## Augmented Reality

### Unboxing Tech's Next Big Thing

Mark Pesce

#### Summary

Slated as 'the next big thing in tech', augmented reality promises to take the screen out of our hands and wrap it around the world via 'smart spectacles'. As a pervasive, invisible interface between the world and our senses, AR offers unparalleled capacity to reveal hidden digital depths, but it also comes at a cost to our privacy, our property, and our reality.

In this crucial and provocative book, Mark Pesce draws on over thirty years' experience to offer the first mainstream exploration of augmented reality. He discusses the exciting and beneficial features of AR as well as the issues and risks raised by this still-emerging technology – a technology that moulds us by shaping what we see and hear.

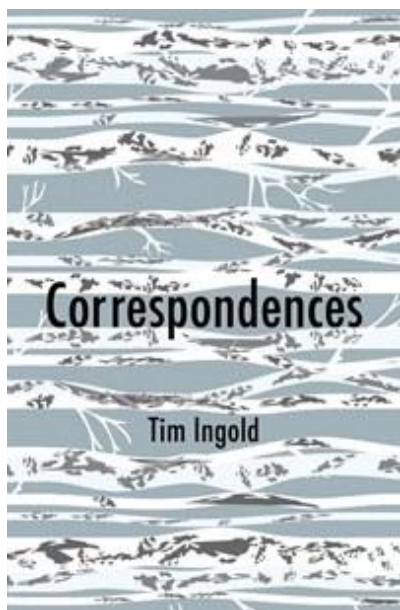
*Augmented Reality* is essential reading for anyone interested in the growing influence of this impressive but deeply concerning technology. As the book reveals, reality - once augmented - will never be the same.

#### Contributor Bio

**Mark Pesce** is an inventor, author, educator, entrepreneur, broadcaster and futurist.

Polity Press  
9781509540938  
Ship Date: 01/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

160 Pages



## Correspondences

Tim Ingold

### Summary

We inhabit a world of more than humans. For life to flourish, we must listen to the calls this world makes on us, and respond with care, sensitivity and judgement. That is what it means to correspond, to join our lives with those of the beings, matters and elements with whom, and with which, we dwell upon the earth.

In this book, anthropologist Tim Ingold corresponds with landscapes and forests, oceans and skies, monuments and artworks. To each he brings the same spontaneity of thought and observation, the same intimacy and lightness of touch, but also the same affection, longing and care that, in the days when we used to write letters by hand, we would bring to our correspondences with one another.

The result is a profound yet accessible inquiry into ways of attending to the world around us, into the relation between art and life, and into the craft of writing itself. At a time of environmental crisis, when words so often seem to fail us, Ingold points to how the practice of correspondence can help restore our kinship with a stricken earth.

### Contributor Bio

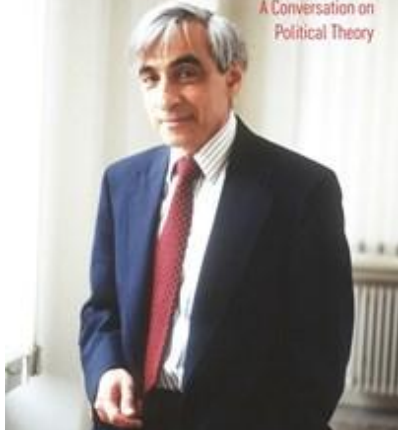
**Tim Ingold** is one of the foremost anthropologists of his generation and has written over fifteen books covering topics from evolution and social life to creativity and perception. He is a fellow of both the British Academy and the Royal Society of Edinburgh and Chair of Social Anthropology at the University of Aberdeen.

Polity Press  
9781509544103  
Ship Date: 01/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

180 Pages

**MICHAEL WALZER**  
**ASTRID VON BUSEKIST**

**Justice is Steady Work**  
A Conversation on  
Political Theory



Polity Press  
9781509544790  
Ship Date: 01/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

260 Pages

## **Justice is Steady Work**

**Conversations with Astrid von Busekist**

Michael Walzer, Astrid von Busekist

### **Summary**

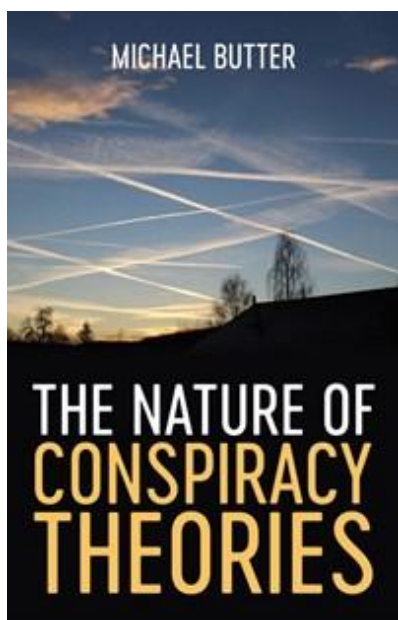
Michael Walzer is one of the pre-eminent political theorists in the world today and also a prominent public intellectual. His conception of social justice and his work on just and unjust wars have been hugely influential in political theory and, at the same time, he has taken a public stand on many of the great issues of our time, from the civil rights movement and the Vietnam War to 9/11, the Israeli-Palestinian conflict and the Iraq War. He stands out among political theorists and philosophers by virtue of his attention to historical reality and his sensitivity to social and political context. Convinced that philosophical debate is only useful if it is rooted in the concrete practices and morality of societies, he develops a form of social critique that is opposed to a disembodied philosophy which does not respond to concerns of ordinary people. For Walzer, it is useless to try to write a theory of justice: the challenge is to think through issues of justice in relation to the particular contexts in which people live out their lives. The core strength of his work is his practical instinct: if individuals are contextualized, critique must be too.

This book takes the form of an extended conversation between Walzer and Astrid von Busekist, ranging from Walzer's biography and political activism to his work on war, justice and Judaism. Weaving together his theoretical work and his political activism, it provides an outstanding introduction to the life and work of one of the most influential political theorists of our time.

### **Contributor Bio**

**Michael Walzer** is one of the most influential political theorists in the world today. Professor Emeritus at the Institute for Advanced Study in Princeton, he has also taught at Harvard. Among his most influential books are *Just and Unjust Wars* and *Spheres of Justice*. He also co-edited the journal *Dissent* for 30 years and is a contributing editor to *The New Republic*.

**Astrid von Busekist** is Professor of Political Theory at Science-Po in Paris.



## The Nature of Conspiracy Theories

Michael Butter, Sharon Howe

### Summary

Conspiracy theories seem to be proliferating today. Long relegated to a niche existence, conspiracy theories are now pervasive, and older conspiracy theories have been joined by a constant stream of new ones – that the USA carried out the 9/11 attacks itself, that the Ukrainian crisis was orchestrated by NATO, that we are being secretly controlled by a New World Order that keep us docile via chemtrails and vaccinations. Not to mention the moon landing that never happened.

But what are conspiracy theories and why do people believe them? Have they always existed or are they something new, a feature of our modern world?

In this book Michael Butter provides a clear and comprehensive introduction to the nature and development of conspiracy theories. Contrary to popular belief, he shows that conspiracy theories are less popular and influential today than they were in the past. Up to the 1950s, the Western world regarded conspiracy theories as a legitimate form of knowledge and it was therefore normal to believe in them. It was only after the Second World War that this knowledge was delegitimized, causing conspiracy theories to be banished from public discourse and relegated to subcultures. The recent renaissance of conspiracy theories is linked to internet which gives them wider exposure and contributes to the fragmentation of the public sphere. Conspiracy theories are still stigmatized today in many sections of mainstream culture but are being accepted once again as legitimate knowledge in others. It is the clash between these domains and their different conceptions of truth that is fuelling the current debate over conspiracy theories.

### Contributor Bio

**Michael Butter** is Professor of American Studies at the University of Tübingen

Polity Press  
9781509540815  
Ship Date: 01/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover  
210 Pages

## After Law

Laurent de Sutter, Barnaby Norman

No Image  
Available

### Summary

Law is the most sacred fetish of our time. From radicals to conservatives, there is no militant, activist or thinker who would consider doing without it. But the history of our fascination with law is long and complex, and reaches deeper into our culture than we might think.

In *After Law*, Laurent de Sutter takes us on a journey to uncover the sources of our fascination with law. He shows that at a certain moment in our history a choice was made to treat law as a decisive feature of civilization, but this choice was neither obvious nor necessary. Other political, social, religious or cultural possibilities could have been chosen instead of adopting a theoretical tool aimed at governing our behaviour and even our lives by means of abstract principles. De Sutter takes us through a variety of normative landscapes that guide, and have guided, the lives of millions in a way that has nothing to do with law. From Ancient Egypt to Mesopotamia, from Medieval Japan to India and China, from Islam to Judaism, other cultures have devised sophisticated tools to help people live together – without having to deal with norms, rules and principles. This is a lesson worth reflecting on, especially at a time when the rule of law and the functioning of justice are increasingly showing their sinister side – and their impotence. Is there life beyond law?

### Contributor Bio

**Laurent de Sutter** is Professor of Legal Theory at Vrije Universiteit Brussel.

Polity Press  
9781509542376  
Ship Date: 08/10/2020  
\$22.95/£15.99 UK/€18.20 EU  
Discount Code: ST  
Paperback  
240 Pages

## After Law

Laurent de Sutter, Barnaby Norman

No Image  
Available

### Summary

Law is the most sacred fetish of our time. From radicals to conservatives, there is no militant, activist or thinker who would consider doing without it. But the history of our fascination with law is long and complex, and reaches deeper into our culture than we might think.

In *After Law*, Laurent de Sutter takes us on a journey to uncover the sources of our fascination with law. He shows that at a certain moment in our history a choice was made to treat law as a decisive feature of civilization, but this choice was neither obvious nor necessary. Other political, social, religious or cultural possibilities could have been chosen instead of adopting a theoretical tool aimed at governing our behaviour and even our lives by means of abstract principles. De Sutter takes us through a variety of normative landscapes that guide, and have guided, the lives of millions in a way that has nothing to do with law. From Ancient Egypt to Mesopotamia, from Medieval Japan to India and China, from Islam to Judaism, other cultures have devised sophisticated tools to help people live together – without having to deal with norms, rules and principles. This is a lesson worth reflecting on, especially at a time when the rule of law and the functioning of justice are increasingly showing their sinister side – and their impotence. Is there life beyond law?

### Contributor Bio

**Laurent de Sutter** is Professor of Legal Theory at Vrije Universiteit Brussel.

Polity Press  
9781509542369  
Ship Date: 08/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover  
240 Pages



# MAKING CLIMATE POLICY WORK

DANNY CULLENWARD  
DAVID G. VICTOR

Polity Press  
9781509541799  
Ship Date: 08/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

256 Pages

## Making Climate Policy Work

Danny Cullenward, David G. Victor

### Summary

For decades the world's governments have struggled to move from talk to action on climate. Many now hope that growing public concern will lead to greater policy ambition, but progress depends on sound strategy. Yet the most widely promoted climate policy—the use of market-based programs to reduce climate pollution—hasn't been working and isn't ready to scale.

Danny Cullenward and David Victor show why the elegant theory of markets has failed to have much impact in practice. The reasons, they argue, are deeply rooted in the politics of creating and maintaining effective markets—forces that have caused low prices and led to few climate benefits in nearly every program to date. These problems are structural and won't disappear with increasing demand for climate solutions. Confronting them requires counterintuitive reforms, but even reformed markets are unlikely to drive the scale of change needed to stabilize the climate. Facing that reality, Cullenward and Victor argue, requires relying more heavily on regulation and industrial policy—strategies that ultimately turn on strengthened government capacities to deliver the benefits markets promise, but rarely deliver.

### Contributor Bio

**Danny Cullenward** is Policy Director at Near Zero, a Research Associate with the Carnegie Institution for Science, and an Affiliate Fellow at Stanford Law School.

**David G. Victor** is Professor of International Relations at the School of Global Policy and Strategy at UC San Diego. He co-heads the initiative on energy and climate at the Brookings Institution.

## Peak Libido

### Sex, Ecology, and the Collapse of Desire

Dominic Pettman

No Image  
Available

#### Summary

What is the carbon footprint of your libido?

In this highly original book, Dominic Pettman examines the mutual influence and impact of human desire and ecological crisis. His account is premised on a simple but startling observation: the decline of libido among the world's population, the loss of the human sex drive, closely tracks the destruction of environments worldwide. The advent of the Anthropocene leads to the decline of eros, the weakening of the link between sexual pleasure and human reproduction, and thus, potentially, to human extinction. Our capacity to care for one another in any meaningful way is being replaced by a restless, technologically-enhanced zombie drive. The environmental crisis of our time is also, and simultaneously, a crisis of human reproduction and of interpersonal intimacy. What Freud called 'libidinal economy' has morphed into libidinal ecology.

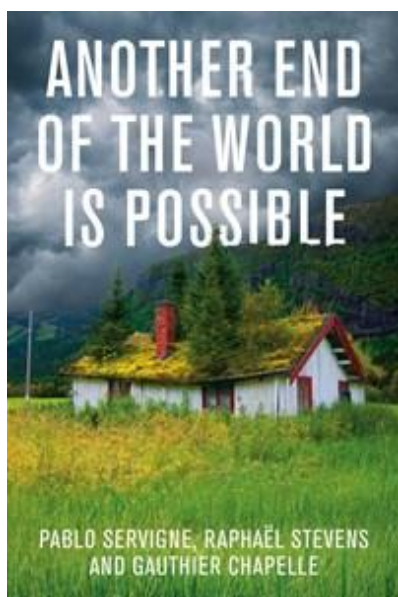
Drawing on the work of a wide range of thinkers from Georges Bataille to Donna Haraway, Pettman explores the implications of peak libido, linking this development to the new cultural interest in eco-sexuality, polyamory, and other cases of the 'greening of the libido'. *Peak Libido* is a forceful reminder that our hearts and loins are primarily ecological organs, beholden to their wider environments, and, as such, they share the same fate.

#### Contributor Bio

**Dominic Pettman** is University Professor of Media and New Humanities at The New School, New York City.

Polity Press  
9781509543021  
Ship Date: 08/10/2020  
\$82.50/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

166 Pages



## Another End of the World is Possible

**Living the Collapse (and Not Merely Surviving It)**

Pablo Servigne, Raphaël Stevens, Gauthier Chapelle...

### Summary

The critical situation in which our planet finds itself is no longer in doubt. Some things are already collapsing while others are beginning to do so, increasing the possibility of a global catastrophe that would mean the end of the world as we know it.

As individuals, we are faced with a daily deluge of bad news about the worsening situation on the planet, preparing ourselves to live with years of deep uncertainty about the future of the planet and the species that inhabit it, including our own.

In all honesty, who is ready for that? How can we cope with the flood of bad news? How can we project ourselves beyond the present, think bigger and find ways not just to survive the collapse but to live it?

In this second book, following *How Everything Can Collapse*, the authors show that a change of course that opens up new horizons necessarily requires an inner journey and a radical rethinking of our vision of the world, one that might enable us to remain standing during the coming storm, to develop a new awareness of ourselves and of the world and to imagine new ways of living in it. Perhaps then it will be possible to regenerate life from the ruins, creating new alliances in differing directions – with ourselves and our inner nature, between humans, with other living beings and with the earth on which we dwell.

### Contributor Bio

**Pablo Servigne** is an agronomist with a PhD in biology. He is a specialist in questions of collapse, transition, agro-ecology and mutual aid.

**Raphaël Stevens** is an eco-adviser. An expert in the resilience of socio-ecological systems, he is cofounder of the consultancy agency Greenloop.

**Gauthier Chapelle** is an agronomist and biologist and an expert on biomimicry. He founded Biomimicry Europa and co-founded Greenloop.

Polity Press  
9781509544653  
Ship Date: 15/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

250 Pages

## Gold

Michael John Bloomfield, Roy Maconachie

### Summary

The quest for gold sounds like something from the past, but gold remains a highly prized and impactful resource within the global economy. From the insatiable demand for gold in the electronics that permeate our day to day, to the environmental desolation driven by gold mining in the Amazon, the gold trade continues to touch the lives and livelihoods of people across the world.

In this book, Bloomfield and Maconachie tell the intriguing story of the yellow metal, tracing the seismic shifts in the industry over the last few decades. They explain how huge purchases of gold reserves by BRICS countries like China and Russia mark the shifting balance of power away from the West. And how rising affluence in India has led to a surging demand for gold jewellery, undermining attempts to make supply chains more responsible. Throughout the book, the authors suggest ways we could, collectively, make practices work better for the countless workers and communities who too often suffer at the producer-end of the supply chain. Linking local to global, producer to consumer, and gold's extraction from the Earth to the financial centres that fuel it, this book offers a probing analysis that reveals who wins and who loses, and what this means for the future of gold.

### Contributor Bio

**Michael Bloomfield** is Assistant Professor in International Development at the University of Bath.

**Roy Maconachie** is Associate Professor in International Development at the University of Bath.



MICHAEL JOHN BLOOMFIELD & ROY MACONACHIE

Polity Press  
9781509534104  
Ship Date: 15/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

204 Pages  
Series: Resources



## Sustainability

Maurie J. Cohen

### Summary

Sustainability is one of the buzzwords of our times and a key imperative for economic growth, technological development, social equity, and environmental quality. But what does it really mean and how is it being implemented around the world?

In this clear-eyed book, Maurie Cohen introduces students to the concept of sustainability, tracing its history and application from local land-use practices, construction techniques and reorientation of business models to national and global institutions seeking to foster sustainable practices. Examining sustainable development in scientific, technological, social and political terms, he shows that it remains an elusive concept and evidence of its unambiguous achievements can be difficult to ascertain. Moreover, developed and developing countries have formulated divergent agendas to engage the notion of sustainability, further complicating its application and progress across the world.

Innovative and readily accessible to students from a range of disciplines, this primer takes us on a journey to show that sustainability is as much about uncharted waters as it is about formulating answers to urgent global issues.

### Contributor Bio

**Maurie J. Cohen** is Professor of Sustainability Studies at the New Jersey Institute of Technology.

Polity Press  
9781509540310  
Ship Date: 15/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

200 Pages  
Series: Short Introductions

HANNU SALMI

## What is Digital History?



Polity Press  
9781509537013  
Ship Date: 15/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover

156 Pages  
Series: What is History?

## What is Digital History?

Hannu Salmi

### Summary

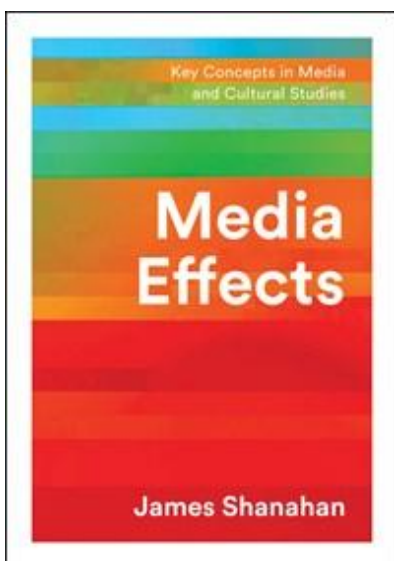
Digital history is an emerging field that draws on digital technology and computational methods. A global enterprise that invites scholars worldwide to join forces, it presents exciting and novel ways we might explore, understand and represent the past.

Hannu Salmi provides the most compelling introduction to digital history to date. He begins with a discussion of the digital past, the question of how history exists in a digitized form, and introduces basic concepts and ideas in digital history, including digital archiving, source mapping and public engagement. He outlines problems and methods in the study of big data, both textual and visual, and pays particular attention to the born-digital era: the contemporary age that exists primarily in digital form.

*What is Digital History?* is essential reading for students of history and other humanities fields, as well as anyone interested in how digitization and digital cultures are transforming the study of history.

### Contributor Bio

**Hannu Salmi** is Professor of Cultural History at the University of Turku.



## Media Effects

### A Narrative Perspective

James Shanahan

#### Summary

Does exposure to media violence make us more violent? Do stereotypes in the media affect the way we see different social groups? Do media institutions play any role in social change?

*Media Effects* is a concise introduction which studies the ways in which media use affects society. James Shanahan explores how researchers and society became interested in media effects, outlines the important developments in the field, and looks at how research on narrative is playing a progressively important role in revealing what we know. The book also provides a timely interweaving of different perspectives, ranging from concerned and critical voices within media studies to quantitative psychological approaches which tend to be more sceptical about powerful media effects.

Concise and authoritative, *Media Effects* is the go-to text for students and scholars getting to grips with this fascinating and important topic.

#### Contributor Bio

**James Shanahan** is Dean of the Media School at Indiana University, Bloomington.

Polity Press  
9781509535767  
Ship Date: 15/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover  
  
224 Pages  
Series: Key Concepts in Media and Cultural Studies



## Posthuman Feminism

Rosi Braidotti

### Summary

In a context marked by the virulent return of patriarchal and white supremacist attitudes, a new generation of activists, from the Xenofeminists to Pussy Riot, are continuing the struggle, fighting alongside star feminists like Emma Watson and Scarlett Johansson: these are very feminist times.

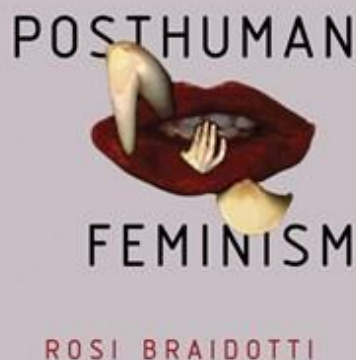
In a context marked by the virulent return of patriarchal and white supremacist attitudes, a new generation of activists, from the Xenofeminists to Pussy Riot, are continuing the struggle, fighting alongside star feminists like Emma Watson and Scarlett Johansson: these are very feminist times. But how do these and other struggles relate to our contemporary posthuman condition?

In this important new book, Rosi Braidotti examines the implications of the posthuman turn for feminist theory and practice. She defines the posthuman turn as a convergence between post-humanism on the one hand and post-anthropocentrism on the other, and she examines the double impact of these two lines of critical enquiry for contemporary feminist practice. In so doing she develops five theses: that contemporary feminism is neo-materialist and that feminism today is not a humanism; that Anthropos has been de-centered and that non-human life, Zoe, is now the ruling concept; and that, as a result of these shifts of perspective, today sexuality can be defined as a force beyond, beneath and after gender. The book ends with a plea for joyful political resistance, calling for embedded and embodied cartographies of the new power relations that are emerging from the current geo-political order.

This bold new text by a leading feminist philosopher will be of great interest to students and scholars throughout the humanities and social sciences.

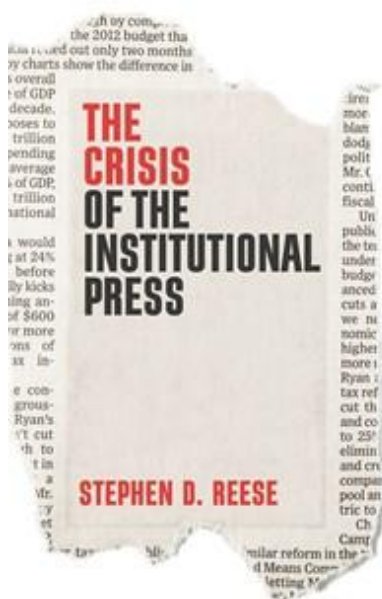
### Contributor Bio

Rosi Braidotti is Distinguished Professor in the Humanities at Utrecht University.



Polity Press  
9781509518074  
Ship Date: 11/03/2021  
\$45.00/£35.00 UK/€40.98 EU  
Discount Code: P  
Hardcover

120 Pages



## The Crisis of the Institutional Press

Stephen D. Reese

### Summary

As polarized factions in society pull apart from economic dislocation, tribalism, and fear, and as strident attacks on the press make its survival more precarious, the need for an institutionally organized forum in civic life has become increasingly important. Populist challenges amplified by a counter-institutional media system have contributed to the long-term decline in journalistic authority, exploiting a post-truth mentality that strikes at its very core.

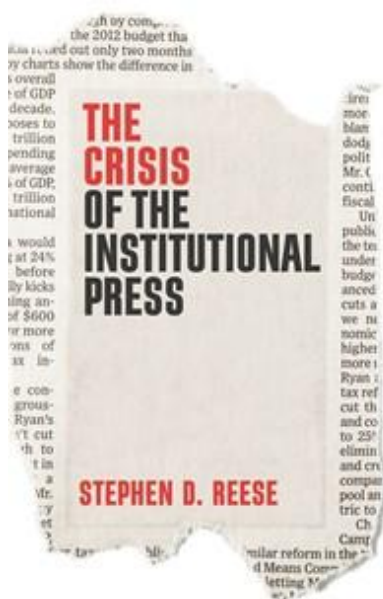
In this timely book, Stephen Reese considers these threats through a new conception of the 'hybrid institution': an idea that extends beyond the traditional newsroom, and distributes across multiple platforms, national boundaries, and social actors. What is it about the institutional press that we value, and around what normative standards could a hybrid institution emerge? Addressing these questions, Reese highlights how this is no time to be passive but rather to articulate and defend greater aspirations. The institutional press matters more than ever: a reality that must be communicated to a public that depends on it.

*The Crisis of the Institutional Press* is an essential resource for students and scholars of journalism, media and communication.

### Contributor Bio

**Stephen D. Reese** is the Jesse H. Jones Professor of Journalism at the University of Texas at Austin.

Polity Press  
9781509538034  
Ship Date: 22/10/2020  
\$22.95/£15.99 UK/€18.10 EU  
Discount Code: P  
Paperback  
208 Pages



## The Crisis of the Institutional Press

Stephen D. Reese

### Summary

As polarized factions in society pull apart from economic dislocation, tribalism, and fear, and as strident attacks on the press make its survival more precarious, the need for an institutionally organized forum in civic life has become increasingly important. Populist challenges amplified by a counter-institutional media system have contributed to the long-term decline in journalistic authority, exploiting a post-truth mentality that strikes at its very core.

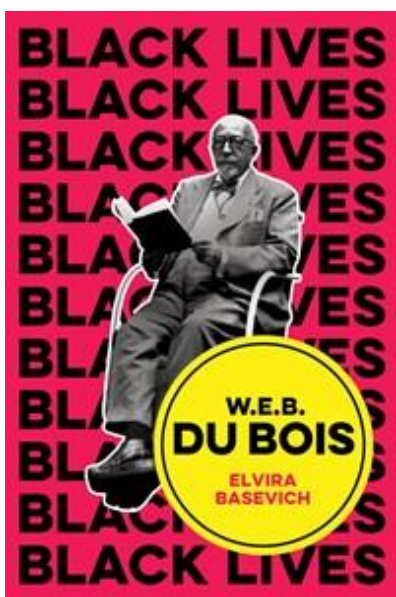
In this timely book, Stephen Reese considers these threats through a new conception of the 'hybrid institution': an idea that extends beyond the traditional newsroom, and distributes across multiple platforms, national boundaries, and social actors. What is it about the institutional press that we value, and around what normative standards could a hybrid institution emerge? Addressing these questions, Reese highlights how this is no time to be passive but rather to articulate and defend greater aspirations. The institutional press matters more than ever: a reality that must be communicated to a public that depends on it.

*The Crisis of the Institutional Press* is an essential resource for students and scholars of journalism, media and communication.

### Contributor Bio

**Stephen D. Reese** is the Jesse H. Jones Professor of Journalism at the University of Texas at Austin.

Polity Press  
9781509538027  
Ship Date: 22/10/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover  
208 Pages



## W.E.B. Du Bois

### The Lost and the Found

Elvira Basevich

#### Summary

W.E.B. Du Bois spent many decades fighting to ensure that African Americans could claim their place as full citizens and thereby fulfill the deeply compromised ideals of American democracy. Yet he died in Africa, having apparently given up on the United States.

In this tour-de-force, Elvira Basevich examines this paradox by tracing the development of his life and thought and the relevance of his legacy to our troubled age. She adroitly analyses the main concepts that inform Du Bois's critique of American democracy, such as the color line and double consciousness, before examining how these concepts might inform our understanding of contemporary struggles, from Black Lives Matter to the campaign for reparations for slavery. She stresses the continuity in Du Bois's thought, from his early writings to his later embrace of self-segregation and Pan-Africanism, while not shying away from assessing the challenging implications of his later work.

This wonderful book vindicates the power of Du Bois's thought to help transform a stubbornly unjust world. It is essential reading for racial justice activists as well as students of African American philosophy and political thought.

#### Contributor Bio

**Elvira Basevich** is Assistant Professor of Philosophy at University of Massachusetts, Lowell.

Polity Press  
9781509535736  
Ship Date: 22/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

288 Pages  
Series: Black Lives

## The Disappearance of Butterflies

Josef H. Reichholf, Gwen Clayton

### Summary

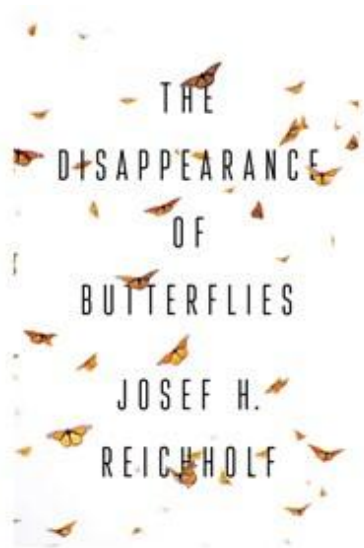
In the last fifty years our butterfly populations have declined by more than eighty per cent and butterflies are now facing the very real prospect of extinction. It is hard to remember the time when fields and meadows were full of these beautiful, delicate creatures – today we rarely catch a glimpse of the Wild Cherry Sphinx moths, Duke of Burgundy or the even once common Small Tortoiseshell butterflies. The High Brown Fritillary butterfly and the Stout Dart Moth have virtually disappeared.

The eminent entomologist and award-winning author Josef H. Reichholf began studying butterflies in the late 1950s. He brings a lifetime of scientific experience and expertise to bear on one of the great environmental catastrophes of our time. He takes us on a journey into the wonderful world of butterflies - from the small nymphs that emerge from lakes in air bubbles to the trusting purple emperors drunk on toad poison - and immerses us in a world that we are in danger of losing forever. Step by step he explains the science behind this impending ecological disaster, and shows how it is linked to pesticides, over-fertilization and the intensive farming practices of the agribusiness.

His book is a passionate plea for biodiversity and the protection of butterflies.

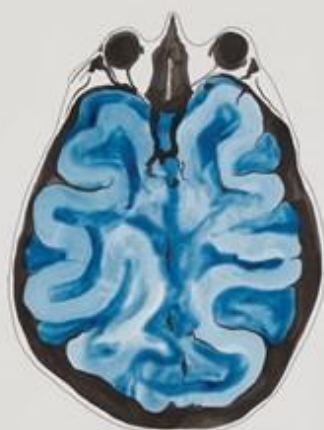
### Contributor Bio

**Josef Reichholf** is an environmental biologist and author who has twice received the German Science Book of the Year prize.



Polity Press  
9781509539796  
Ship Date: 22/10/2020  
\$35.00/£25.00 UK/€28.30 EU  
Discount Code: T  
Hardcover

260 Pages



The Empire of Depression  
A New History  
Jonathan Sadowsky

## The Empire of Depression

### A New History

Jonathan Sadowsky

### Summary

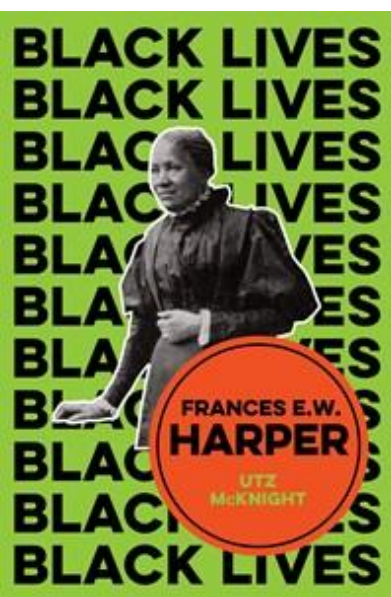
When is sorrow sickness? That is the question that this book asks, exploring how our understandings of sadness, melancholy, depression, mania and anxiety have changed over time, and how societies have tried to treat something which lies on the border between the natural and the pathological. Jonathan's book explores the various medical treatments for depression, classed as a modern illness with definite (but changing) symptoms from the 20th century onwards, in relation to a longer history of treatments for 'melancholia' and related states considered either as biological or social sicknesses or as a natural part of some people's constitution. He also compares the western history of medicalising depression with the experiences of both sadness and clinical depression in non-western cultures, such as Nigeria and Japan. He asks, what have we lost as a consequence of the hegemony of the western clinical model, and how can we reclaim the patient experience in the face of sometimes hostile doctors and pharmaceutical companies? The book is poetic but well-researched, written by a leading medical historian, and distinguished from the crowd of books about depression through its global focus, and its historical rigour.

### Contributor Bio

**Jonathan Sadowsky** is Theodore J. Castele Professor of Medical History at Case Western Reserve University.

Polity Press  
9781509531646  
Ship Date: 22/10/2020  
\$35.00/£25.00 UK/€28.30 EU  
Discount Code: T  
Hardcover

224 Pages  
Series: History of Health and  
Illness



## Frances E. W. Harper

### A Call to Conscience

Utz McKnight

#### Summary

Free Black woman, poet, novelist, essayist, speaker, and activist, Francis Watkins Harper was one of the most important advocates of abolitionism, female suffrage and temperance in the 19th century. A writer of extraordinary versatility and vision, her pioneering work has profound lessons for us today.

In this gripping new book, Utz McKnight shows how Harper's life work inspired her contemporaries to imagine a better America. He seeks to recover her importance as a pioneer and leader in 19th century American society by examining not only her vision of the possibilities (and challenges) of Emancipation, but also her subsequent role in challenging Jim Crow. He argues that engaging with her ideas and writings is vital in understanding not only our historical inheritance, but also contemporary issues ranging from mass incarceration, racial violence, and the role of Christianity.

This lucid and highly readable book is essential reading not only for students of American and African American history, but also all progressive general readers interested in issues of race, politics and society.

#### Contributor Bio

**Utz McKnight** is Chair of the Department of Gender and Race Studies and Professor of Political Science at the University of Alabama.

Polity Press  
9781509535538  
Ship Date: 29/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

280 Pages  
Series: Black Lives





## Gender and Popular Culture (2nd Edition)

Katie Milestone, Anneke Meyer

### Summary

This fully updated second edition of *Gender and Popular Culture* examines the role of popular culture in the construction of gendered identities in contemporary society. It draws on a wide range of cultural forms – including popular music, social media, television and magazines – to illustrate how femininity and masculinity are produced, represented, used and consumed.

Blending primary and secondary research, Milestone and Meyer introduce key theories and concepts in gender studies and popular culture, which are made accessible and interesting through their application to topical examples such as the #MeToo campaign, intensive mothering and social media, discourses about women and binge drinking, and gender and popular music.

Included in this revised edition is a new chapter on digital culture, examining the connection between digital platforms and gender identities, relations and activism, as well as a new chapter on cultural work in digital contexts. All chapters have been updated to acknowledge recent changes in gender images and relations as well as media culture. Additionally, there is new material on the Fourth Wave Women's Movement, audiences and prosumers, and the role of social media.

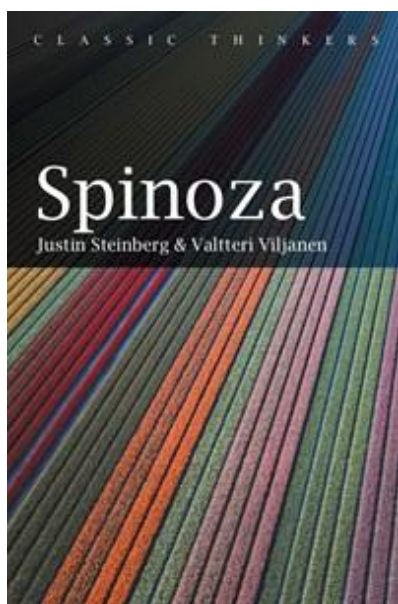
*Gender and Popular Culture* is the go-to textbook for students of gender studies, media and communication, and popular culture.

### Contributor Bio

**Katie Milestone** is Senior Lecturer in the Department of Sociology at Manchester Metropolitan University.

**Anneke Meyer** is Principal Lecturer in the Department of Sociology at Manchester Metropolitan University.

Polity Press  
9780745698267  
Ship Date: 29/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover  
300 Pages



## Spinoza

Justin Steinberg, Valtteri Viljanen

### Summary

Benedict de Spinoza is one of the most controversial and enigmatic thinkers in the history of philosophy. His greatest work, *Ethics* (1677), developed a comprehensive philosophical system and argued that God and Nature are identical. His scandalous *Theological-Political Treatise* (1670) provoked outrage during his lifetime due to its biblical criticism, anticlericalism, and defense of the freedom to philosophize. Together, these works earned Spinoza a reputation as a singularly radical thinker.

In this book, Steinberg and Viljanen offer a concise and up-to-date account of Spinoza's thought and its philosophical legacy. They explore the full range of Spinoza's ideas, from politics and theology to ontology and epistemology. Drawing broadly on Spinoza's impressive oeuvre, they have crafted a lucid introduction for readers unfamiliar with this important philosopher, as well as a nuanced and enlightening study for more experienced readers.

Accessible and compelling, *Spinoza* is the go-to text for anyone seeking to understand the thought of one of history's most fascinating thinkers.

### Contributor Bio

**Justin Steinberg** is Associate Professor of Philosophy at Brooklyn College, CUNY.

**Valtteri Viljanen** is Senior Research Fellow in the Department of Cultural History at the University of Turku.

Polity Press  
9780745664897  
Ship Date: 29/10/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

192 Pages  
Series: Classic Thinkers

# THE STRANGER AS MY GUEST



*A Critical Anthropology of Hospitality*

MICHEL AGIER

## The Stranger as My Guest A Critical Anthropology of Hospitality

Michel Agier, Helen Morrison

### Summary

The migration crisis of recent years has elicited a double response: on the one hand, many states have responded by tightening border controls in an attempt to restrict population movements, while on the other hand, many citizens have responded by welcoming new arrivals, offering them shelter, food and whatever help they can provide. In so doing, they have awakened an old form of anthropology that was long-thought dead – that of hospitality.

While the notion of hospitality has been taken up by Derrida and other philosophers, Agier's approach is different. As an anthropologist, he starts not from the concept but from the social reality: hospitality is fundamentally a social relationship, albeit an asymmetrical one, in which each party has rights and duties. It also involves institutions and networks which often provide the link between hosts and guests. With the decline of state and religious support, hospitality is now making a comeback at the individual and municipal levels, but these local initiatives, while important, are insufficient to respond to the scale of migration in the world today. We need a new hospitality policy for the modern era, one that will regard hospitality as a right rather than a favour and regard strangers as guests rather than treating them as aliens or enemies.

This timely and original book will be of great interest to students and scholars in anthropology, sociology and the social sciences generally, and to anyone concerned with migration and refugees in the world today.

### Contributor Bio

**Michel Agier** is Senior Researcher at the French Institute of Research for Development (IRD) and Professor at the École des Hautes Études en Sciences Sociales (EHESS), Paris, France. He is a leading authority on migration and refugees and his previous books in English include *Borderlands*, *Managing the Undesirables* and *On the Margins of the World*.

Polity Press  
9781509539895  
Ship Date: 29/10/2020  
\$19.95/£14.99 UK/€17.00 EU  
Discount Code: P  
Paperback  
160 Pages

# THE STRANGER AS MY GUEST



*A Critical Anthropology of Hospitality*

MICHEL AGIER

## The Stranger as My Guest A Critical Anthropology of Hospitality

Michel Agier, Helen Morrison

### Summary

The migration crisis of recent years has elicited a double response: on the one hand, many states have responded by tightening border controls in an attempt to restrict population movements, while on the other hand, many citizens have responded by welcoming new arrivals, offering them shelter, food and whatever help they can provide. In so doing, they have awakened an old form of anthropology that was long-thought dead – that of hospitality.

While the notion of hospitality has been taken up by Derrida and other philosophers, Agier's approach is different. As an anthropologist, he starts not from the concept but from the social reality: hospitality is fundamentally a social relationship, albeit an asymmetrical one, in which each party has rights and duties. It also involves institutions and networks which often provide the link between hosts and guests. With the decline of state and religious support, hospitality is now making a comeback at the individual and municipal levels, but these local initiatives, while important, are insufficient to respond to the scale of migration in the world today. We need a new hospitality policy for the modern era, one that will regard hospitality as a right rather than a favour and regard strangers as guests rather than treating them as aliens or enemies.

This timely and original book will be of great interest to students and scholars in anthropology, sociology and the social sciences generally, and to anyone concerned with migration and refugees in the world today.

### Contributor Bio

**Michel Agier** is Senior Researcher at the French Institute of Research for Development (IRD) and Professor at the École des Hautes Études en Sciences Sociales (EHESS), Paris, France. He is a leading authority on migration and refugees and his previous books in English include *Borderlands*, *Managing the Undesirables* and *On the Margins of the World*.

Polity Press  
9781509539888  
Ship Date: 29/10/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover  
160 Pages



## Anarchism

Carissa Honeywell

### Summary

Is it possible to abolish coercion and hierarchy and build a stateless, egalitarian social order based on non-domination? There is one political tradition that answers these questions with a resounding yes: anarchism.

In this book, Carissa Honeywell offers an accessible introduction to major anarchist thinkers and principles, from Proudhon to Goldman, non-domination to prefiguration. She helps students understand the nature of anarchism by examining how its core ideas shape important contemporary social movements, thereby demonstrating how anarchist principles are relevant to modern political dilemmas connected to issues of conflict, justice and care. She argues that anarchism can play a central role in tackling our major global problems by helping us rethink the essentially militarist nature of our dominant ideas about human relationships and security.

Dynamic, urgent, and engaging, this new introduction to anarchist thought will be of great interest to both students as well as thinkers and activists working to find solutions to the multiple crises of capitalist modernity.

### Contributor Bio

**Carissa Honeywell** is Senior Lecturer in Politics at Sheffield Hallam University.

Polity Press  
9781509523900  
Ship Date: 05/11/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover

168 Pages  
Series: Key Concepts in Political Theory



**THEODOR W. ADORNO**  
**GERSHOM SCHOLEM**  
 CORRESPONDENCE 1939-1969



Polity Press  
 9781509510450  
 Ship Date: 28/01/2021  
 \$45.00/£35.00 UK/€39.60 EU  
 Discount Code: ST  
 Hardcover

520 Pages

## Correspondence

1939 – 1969

Theodor W. Adorno, Gershom Scholem, Sebastian Trus...

### Summary

Theodor W. Adorno and Gerhard Scholem met in New York on the cusp of the 20th century's descent into the Holocaust, whose consequences and chaotic aftermath they would relentlessly submit to the analytic scrutiny borne of their prolific correspondence. Appearing in English for the first time, this complete collection of their letters lays bare a friendship and intellectual partnership upon which the scars of modernity are writ large.

This volume is an extraordinary collaborative document not just because of the authors' astute appraisal of the turbulent political times in which they lived but also because they grapple with the tensions sparked off by the unprecedented converging of Jewish mysticism and contemporary philosophy. Both humble but in fact able commentators on the specialisms of the other, in the course of their epistolary relationship Adorno and Scholem repeatedly demonstrate the enrichment potential of cross-disciplinary discussion. But what makes this volume particularly rewarding is that it documents the tender unfolding of a deep and enduring friendship between two of the greatest German-Jewish thinkers of the 20th century. As their 30-year correspondence attests, the nexus of their friendship was twofold: on the one hand, their respective friendships with Walter Benjamin, and on the other, their at times fraught belonging to the German-Jewish community.

This volume will be of great value to students and scholars of the Frankfurt School, Kabbalah and Jewish Studies and to anyone interested in 20th-century history and culture.

### Contributor Bio

**Theodor W. Adorno** (1903-1969), a prominent member of the Frankfurt School, was one of the most influential thinkers of the 20th century in the areas of social theory, philosophy and aesthetics.

**Gerschom Scholem** (1897-1982), was an influential Jewish philosopher and first Professor of Jewish Mysticism at the Hebrew University of Jerusalem.

## **A Brief Eternity**

### **The Philosophy of Longevity**

Pascal Bruckner, Steven Rendall, Lisa Neal

No Image  
Available

#### **Summary**

There is one fundamental thing that has changed in our societies since 1950: life has got longer. Over the last few generations, 20 or 30 years have been added to the duration of our lives. But after the age of 50, human beings experience a kind of suspension: no longer young, not really old, they are, as it were, weightless. It is a reprieve that leaves life open like a swinging door. The increase in life expectancy is a tremendous step forward that upsets everything: relations between generations, patterns of family life, the very meaning of our identity and our destiny. This reprieve is both exciting and frightening. The deadlines are getting shorter, the possibilities are shrinking, but there are still discoveries, surprises and upsetting love affairs. Time has become a paradoxical ally: instead of killing us, it carries us forward. What to do with this ambiguous gift? Is it only a question of living longer or living more intensely? To continue along the same path or to branch out and start again? What about remarriage, a new career? How to avoid the weariness of living, the melancholy of the twilight years, how to get through great joys and great pains? Nourished by both reflections and statistics, drawing on the sources of literature, the arts and history, this book proposes a philosophy of longevity based not on resignation but on resolution. In short, an art of living this life to the full. Is there not a profound joy in being alive at the age when our ancestors already had one foot in the grave?

This book is dedicated to all those who dream of a new spring in the autumn of life, and want to put off winter as long as they can.

#### **Contributor Bio**

**Pascal Bruckner** is the best-selling author of many books including *The Tyranny of Guilt*, *Perpetual Euphoria* and *The Fanaticism of the Apocalypse*.

Polity Press  
9781509544325  
Ship Date: 12/11/2020  
\$19.95/£16.99 UK/€19.20 EU  
Discount Code: T  
Hardcover

180 Pages



## Migration Beyond Capitalism

Hannah Cross

No Image  
Available

### Summary

Harshly exploited migrant labour plays a fundamental role in the political economy of contemporary capitalism. The abstract and utopian theorising of many liberals and leftists on the migration question often ignores or downplays patterns of displacement and brutal class dynamics, which divide and weaken working people while empowering the ruling class.

In this important new book, Hannah Cross provides a sober analysis of the class antagonisms of migration in the context of the nation, social democracy, and the racialized ordering of the world. Bringing Marxist methodology and strategy to a careful analysis of existing emancipatory movements, she sets out the programmes and approaches that are needed to promote global worker solidarity and create a future in which cheap labour is no longer a mainstay of wealthy economies. This focus on the labouring classes allows her to identify some important new directions for migration in a world beyond capitalism, exploitation and injustice.

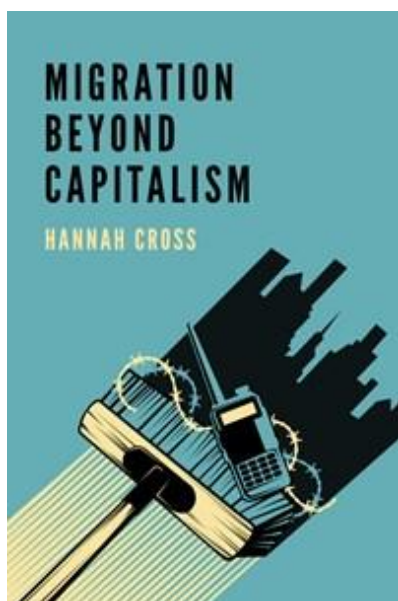
This book will be essential reading for students, scholars and general readers interested in the politics and political economy of migration in a world unhelpfully caught between racist authoritarian capitalism and the wishful-thinking of contemporary left-liberalism.

### Contributor Bio

**Hannah Cross** is a Senior Lecturer in International Relations at the University of Westminster.

Polity Press  
9781509535958  
Ship Date: 12/11/2020  
\$26.95/£17.99 UK/€20.40 EU  
Discount Code: P  
Paperback

210 Pages



## Migration Beyond Capitalism

Hannah Cross

### Summary

Harshly exploited migrant labour plays a fundamental role in the political economy of contemporary capitalism. The abstract and utopian theorising of many liberals and leftists on the migration question often ignores or downplays patterns of displacement and brutal class dynamics, which divide and weaken working people while empowering the ruling class.

In this important new book, Hannah Cross provides a sober analysis of the class antagonisms of migration in the context of the nation, social democracy, and the racialized ordering of the world. Bringing Marxist methodology and strategy to a careful analysis of existing emancipatory movements, she sets out the programmes and approaches that are needed to promote global worker solidarity and create a future in which cheap labour is no longer a mainstay of wealthy economies. This focus on the labouring classes allows her to identify some important new directions for migration in a world beyond capitalism, exploitation and injustice.

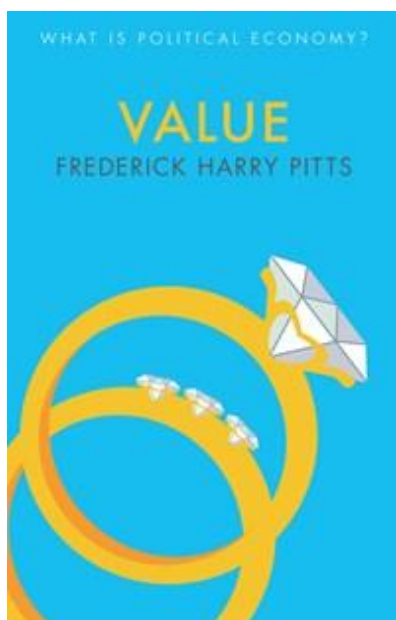
This book will be essential reading for students, scholars and general readers interested in the politics and political economy of migration in a world unhelpfully caught between racist authoritarian capitalism and the wishful-thinking of contemporary left-liberalism.

### Contributor Bio

**Hannah Cross** is a Senior Lecturer in International Relations at the University of Westminster.

Polity Press  
9781509535941  
Ship Date: 12/11/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

210 Pages



## Value

Frederick Harry Pitts

### Summary

'Value' seems like an elusive and abstract concept. Nonetheless, a notion of value underpins much of how we all understand our lives, from politicians talking about whether public spending represents 'value for money' to the instinctive daily calculations we make about whether our everyday purchases are 'worth it'. So what is value, and where does it come from?

In this new book, Frederick Harry Pitts charts the past, present and future of value within and beyond capitalist society, critically engaging with key concepts from classical and neoclassical political economy. Interrogating the processes and practices that attribute value to objects and activities, he considers debates over whether value lies within commodities or in their exchange, the politics of different theories of value, and whether we can measure value in a knowledge-based economy.

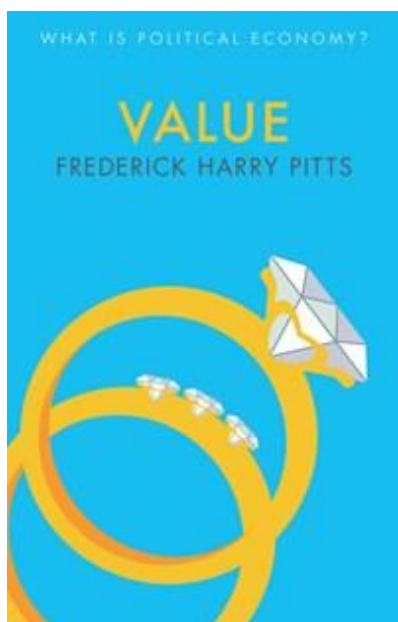
This accessible and intriguing introduction to the complexities of value in modern society will be essential reading for any student or scholar working in political economy, economics, economic sociology, or management.

### Contributor Bio

**Frederick Harry Pitts** is a Lecturer at University of Bristol School of Management.

Polity Press  
9781509535668  
Ship Date: 12/11/2020  
\$19.95/£14.99 UK/€17.00 EU  
Discount Code: P  
Paperback

190 Pages  
Series: What is Political Economy?



## Value

Frederick Harry Pitts

### Summary

'Value' seems like an elusive and abstract concept. Nonetheless, a notion of value underpins much of how we all understand our lives, from politicians talking about whether public spending represents 'value for money' to the instinctive daily calculations we make about whether our everyday purchases are 'worth it'. So what is value, and where does it come from?

In this new book, Frederick Harry Pitts charts the past, present and future of value within and beyond capitalist society, critically engaging with key concepts from classical and neoclassical political economy. Interrogating the processes and practices that attribute value to objects and activities, he considers debates over whether value lies within commodities or in their exchange, the politics of different theories of value, and whether we can measure value in a knowledge-based economy.

This accessible and intriguing introduction to the complexities of value in modern society will be essential reading for any student or scholar working in political economy, economics, economic sociology, or management.

### Contributor Bio

**Frederick Harry Pitts** is a Lecturer at University of Bristol School of Management.

Polity Press  
9781509535651  
Ship Date: 12/11/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover

190 Pages  
Series: What is Political Economy?

## What is Medieval History? (2nd Edition)

John H. Arnold

No Image  
Available

### Summary

Since its first publication in 2007, John H. Arnold's *What is Medieval History?* has established itself as the leading introduction to the craft of the medieval historian.

What is it that medieval historians do? How – and why – do they do it? Arnold discusses the creation of medieval history as a field, the nature of its sources, the intellectual tools used by medievalists, and some key areas of thematic importance from the fall of the Roman Empire to the Reformation. The fascinating case studies include a magical plot against a medieval pope, a fourteenth-century insurrection, and the importance of a kiss exchanged between two tenth-century noblemen. Throughout the book, readers are shown not only what medieval history is, but the cultural and political contexts in which it has been written.

This anticipated second edition includes further exploration of the interdisciplinary techniques that can aid medieval historians, such as dialogue with scientists and archaeologists, and addresses some of the challenges – both medieval and modern – of the idea of a 'global middle ages'.

*What is Medieval History?* continues to demonstrate why the pursuit of medieval history is important not only to the present, but to the future. It is an invaluable guide for students, teachers, researchers and interested general readers.

### Contributor Bio

**John H. Arnold** is Professor of Medieval History at the University of Cambridge.

Polity Press  
9781509532568  
Ship Date: 12/11/2020  
\$19.95/£15.99 UK/€18.10 EU  
Discount Code: P  
Paperback

208 Pages

JOHN H. ARNOLD

## What is Medieval History?



SECOND EDITION, REVISED AND UPDATED

Polity Press  
9781509532551  
Ship Date: 12/11/2020  
\$69.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover

208 Pages

## What is Medieval History? (2nd Edition)

John H. Arnold

### Summary

Since its first publication in 2007, John H. Arnold's *What is Medieval History?* has established itself as the leading introduction to the craft of the medieval historian.

What is it that medieval historians do? How – and why – do they do it? Arnold discusses the creation of medieval history as a field, the nature of its sources, the intellectual tools used by medievalists, and some key areas of thematic importance from the fall of the Roman Empire to the Reformation. The fascinating case studies include a magical plot against a medieval pope, a fourteenth-century insurrection, and the importance of a kiss exchanged between two tenth-century noblemen. Throughout the book, readers are shown not only what medieval history is, but the cultural and political contexts in which it has been written.

This anticipated second edition includes further exploration of the interdisciplinary techniques that can aid medieval historians, such as dialogue with scientists and archaeologists, and addresses some of the challenges – both medieval and modern – of the idea of a 'global middle ages'.

*What is Medieval History?* continues to demonstrate why the pursuit of medieval history is important not only to the present, but to the future. It is an invaluable guide for students, teachers, researchers and interested general readers.

### Contributor Bio

**John H. Arnold** is Professor of Medieval History at the University of Cambridge.

## Is Austerity Gendered?

Diane Perrons

No Image  
Available

### Summary

Austerity has dominated the policy agenda for the past decade. Governments responded to the sovereign debt crisis created by the 2008 financial crash by slashing public expenditure. These cutbacks have had devastating effects on people's lives and well-being – and some groups have suffered more than others.

In this incisive analysis, Diane Perrons shows that the dynamics of austerity have played out in highly gendered ways: budget cuts have been overwhelmingly aimed at services that support women. She shows how the gender aspects of this economic and social catastrophe have intersected with a range of other factors, ranging from social class, race, and ethnicity, to citizenship status, dis(ability) and geographical location. This has made the experience of austerity very different for different groups – and highly unjust. She goes on to critique the justifications for austerity policies and ask whether there are compelling alternatives.

This compelling book will be essential reading for activists, policymakers and students of feminist political economy everywhere.

### Contributor Bio

**Diane Perrons** is Professor of Economic Geography and Gender Studies at the London School of Economics.

Polity Press  
9781509526963  
Ship Date: 19/11/2020  
\$12.95/£9.99 UK/€11.30 EU  
Discount Code: P  
Paperback  
  
140 Pages  
Series: The Future of Capitalism



## Populism in the Civil Sphere

EDITED BY JEFFREY C. ALEXANDER,  
PETER KIVISTO AND GIUSEPPE SCIORTINO



Polity Press  
9781509544738  
Ship Date: 19/11/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

316 Pages

## Populism in the Civil Sphere

Jeffrey C. Alexander, Peter Kivisto, Giuseppe Scio...

### Summary

Even as the specter of populism haunts contemporary societies, scholars have not been able to agree about what it is. Except for one thing: a deviation from democracy, the source, it seems, of the precarious position in which so many societies find themselves today. This volume aims to break the Gordian knot of "populism" by bringing a new social theory to bear and, in so doing so, suggesting that normative judgments about this misunderstood phenomenon need to be reconsidered as well. Populism is not a democratic deviation but a naturally occurring dimension of civil sphere dynamics, fatal to democracy only at the extremes.

Because populism is highly polarizing, it has the effect of inducing anxiety that civil solidarity is breaking apart. Left populists feel as if civil solidarity is an illusion, that democratic discourse is a fig leaf for private interests, and that the social and cultural differentiation that vouchsafes the independence of the civil sphere merely reflects the hegemony of narrow professional interests or those of a ruling class. Right populists share the same distrust, even repulsion, for the civil sphere. What seems civil to the center and left, like affirmative action or open immigration, they call out as particularistic; honored civil icons, such as Holocaust memorials, they trash. How can the sense of a vital civil center survive such censure from populism on the left and the right?

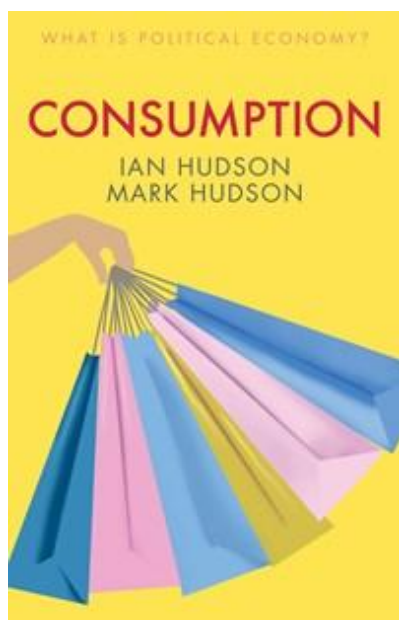
*Populism in the Civil Sphere* provides compelling answers to these fundamental questions. Its contributions are both sophisticated theoretical interventions and deeply researched empirical studies, and it will be of great interest to anyone concerned about the most important political developments of our time.

### Contributor Bio

**Jeffrey C. Alexander** is Lillian Chavenson Saden Professor of Sociology at Yale University.

**Peter Kivisto** is Richard Swanson Professor of Social Thought and Chair of Sociology at Augustana College.

**Giuseppe Sciortino** is Professor of Sociology and Social Research at the University of Trento.



## Consumption

Ian Hudson, Mark Hudson

### Summary

Consumption used to be a disease. Now it is the dominant manner in which most people meet their most basic needs and—if they can afford the price—their wildest desires.

In this new book, Ian and Mark Hudson critically examine how consumption has been understood in economic theory before analysing its centrality to our social lives and its crucial function in contemporary capitalism. They also outline the consequences it has for people and nature, consequences routinely made invisible in the shopping mall or online catalogue. In an accessible style, the book shows how patterns of consumption are influenced by cultures, individual preferences, expressions of group membership, and identity formation. However, hovering behind and powering these determinants is the unavoidable need within capitalism to realize profit, without which our globalizing economic system grinds to a halt.

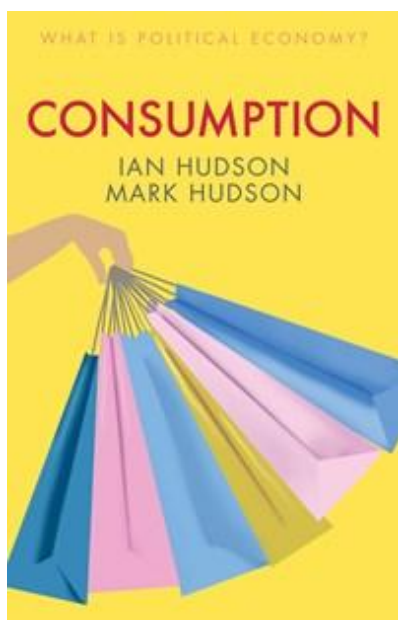
This accessible and comprehensive book will be essential reading for students and scholars of political economy, economics, and economic sociology, as well as any reader who wants to meaningfully confront their own practices of consumption.

### Contributor Bio

**Ian Hudson** is Professor of Economics at the University of Manitoba.

**Mark Hudson** is Associate Professor of Sociology at the University of Manitoba.

Polity Press  
9781509535385  
Ship Date: 19/11/2020  
\$19.95/£14.99 UK/€17.00 EU  
Discount Code: P  
Paperback  
  
190 Pages  
Series: What is Political Economy?



Polity Press  
 9781509535378  
 Ship Date: 19/11/2020  
 \$59.95/£45.00 UK/€50.90 EU  
 Discount Code: P  
 Hardcover

190 Pages  
 Series: What is Political Economy?

## Consumption

Ian Hudson, Mark Hudson

### Summary

Consumption used to be a disease. Now it is the dominant manner in which most people meet their most basic needs and—if they can afford the price—their wildest desires.

In this new book, Ian and Mark Hudson critically examine how consumption has been understood in economic theory before analysing its centrality to our social lives and its crucial function in contemporary capitalism. They also outline the consequences it has for people and nature, consequences routinely made invisible in the shopping mall or online catalogue. In an accessible style, the book shows how patterns of consumption are influenced by cultures, individual preferences, expressions of group membership, and identity formation. However, hovering behind and powering these determinants is the unavoidable need within capitalism to realize profit, without which our globalizing economic system grinds to a halt.

This accessible and comprehensive book will be essential reading for students and scholars of political economy, economics, and economic sociology, as well as any reader who wants to meaningfully confront their own practices of consumption.

### Contributor Bio

**Ian Hudson** is Professor of Economics at the University of Manitoba.

**Mark Hudson** is Associate Professor of Sociology at the University of Manitoba.

## Modern Languages

### Why It Matters

Katrin Kohl

No Image  
Available

### Summary

It might seem as if globalization is making the whole world speak English. But spend time in any major city and you are likely to encounter a cornucopia of languages. Even monolingual people have different ways of speaking to their bosses or teachers, their intimate friends or their pets. And if you live in India or Nigeria, you might use five different languages in the course of a normal day.

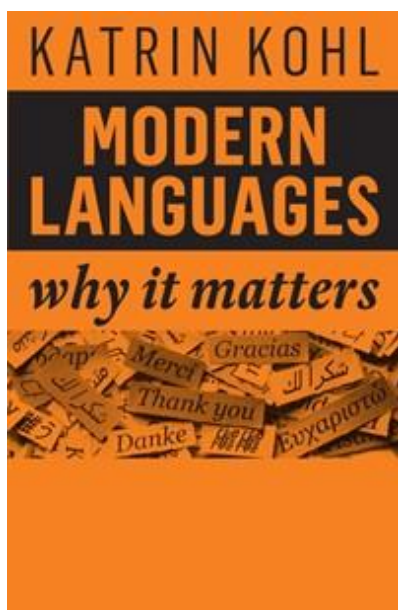
Bilingual Oxford professor Katrin Kohl makes a passionate case for why we must embrace languages in all their diversity. When you study a language, you gradually open a unique doorway into the world, immerse yourself in a different way of seeing, and discover new ways of communicating with people from different cultures on their terms. Languages open our minds to the diversity of human life in its complex relationships with nature, culture and technology. They enable us to understand why cultural diversity matters, and why we should care about preserving it as much as we care about preserving the diversity of our biological world.

### Contributor Bio

**Katrin Kohl** is Professor of German Literature at the University of Oxford.

Polity Press  
9781509540549  
Ship Date: 26/11/2020  
\$12.95/£9.99 UK/€11.30 EU  
Discount Code: ST  
Paperback

140 Pages  
Series: Why It Matters



## Modern Languages

### Why It Matters

Katrin Kohl

### Summary

It might seem as if globalization is making the whole world speak English. But spend time in any major city and you are likely to encounter a cornucopia of languages. Even monolingual people have different ways of speaking to their bosses or teachers, their intimate friends or their pets. And if you live in India or Nigeria, you might use five different languages in the course of a normal day.

Bilingual Oxford professor Katrin Kohl makes a passionate case for why we must embrace languages in all their diversity. When you study a language, you gradually open a unique doorway into the world, immerse yourself in a different way of seeing, and discover new ways of communicating with people from different cultures on their terms. Languages open our minds to the diversity of human life in its complex relationships with nature, culture and technology. They enable us to understand why cultural diversity matters, and why we should care about preserving it as much as we care about preserving the diversity of our biological world.

### Contributor Bio

**Katrin Kohl** is Professor of German Literature at the University of Oxford.

Polity Press  
9781509540532  
Ship Date: 26/11/2020  
\$45.00/£35.00 UK/€39.60 EU  
Discount Code: P  
Hardcover

140 Pages  
Series: Why It Matters

# Planetary Politics

## A Manifesto

Lorenzo Marsili

No Image  
Available

### Summary

The global crisis of our time involves a complex of ecological, economic, technological and migratory challenges that no state is able to control. The result is a provincialization of our democracies with respect to the new planetary powers confronting humanity – it is from this that our increasingly impotent and rabid politics stems. As paradoxical as it may seem, it is precisely the decline of the nation-state that is the source of the great nationalist uprising of our time.

We need a new planetary vision that is able to reclaim and liberate our world, starting today and engaging each of us. This is the task of philosophy as much as it is of politics, of theory as it is of activism. Connecting with a new generation taking to the streets across the globe, this book tells the story of the ever-closer union of our world, from the age of empire to the climate crisis, and presents a plea and a roadmap to step beyond the mental and material boundaries of our nations in order to develop a new planetary politics that will be capable of addressing the great challenges of our time.

### Contributor Bio

**Lorenzo Marsili** is a philosopher-activist and the cofounder of the transnational NGO European Alternatives. His work crosses theory, politics and contemporary arts.

Polity Press  
9781509544769  
Ship Date: 26/11/2020  
\$45.00/£35.00 UK/€39.60 EU  
Discount Code: P  
Hardcover

140 Pages  
Series: Theory Redux

## Setting the Agenda (3rd Edition)

### Mass Media and Public Opinion

Maxwell McCombs, Sebastian Valenzuela

No Image  
Available

### Summary

News media strongly influence how we picture public affairs across the world, playing a significant and sometimes controversial role in determining which topics are at the centre of public attention and action. *Setting the Agenda*, first published in 2004, has become the go-to textbook on this crucial topic.

In this timely third edition, Maxwell McCombs – a pioneer of agenda-setting research – and Sebastián Valenzuela – a senior scholar of agenda-setting in Latin America – have expanded and updated the book for a new generation of students. In describing the media's influence on what we think about and how we think about it, *Setting the Agenda* also examines the sources of media agendas, the psychological explanation for their impact on the public agenda, and their consequences for attitudes, opinions and behaviors. New to this edition is a discussion of agenda-setting in the widened media landscape, including a full chapter on network agenda-setting and a lengthened presentation on agenda-melding. The book also contains expanded material on social media and the role of agenda-setting beyond the realm of public affairs.

This exciting new edition is an invaluable source for students of media, communications and politics, as well as those interested in the role of news in shaping and directing public opinion.

### Contributor Bio

**Maxwell McCombs** is Professor Emeritus in the School of Journalism at the University of Texas at Austin.

**Sebastián Valenzuela** is Associate Professor at the Pontificia Universidad Católica de Chile.

Polity Press  
9781509535804  
Ship Date: 26/11/2020  
\$24.95/£17.99 UK/€20.40 EU  
Discount Code: P  
Paperback

248 Pages



## Setting the Agenda (3rd Edition)

### Mass Media and Public Opinion

Maxwell McCombs, Sebastian Valenzuela

No Image  
Available

### Summary

News media strongly influence how we picture public affairs across the world, playing a significant and sometimes controversial role in determining which topics are at the centre of public attention and action. *Setting the Agenda*, first published in 2004, has become the go-to textbook on this crucial topic.

In this timely third edition, Maxwell McCombs – a pioneer of agenda-setting research – and Sebastián Valenzuela – a senior scholar of agenda-setting in Latin America – have expanded and updated the book for a new generation of students. In describing the media's influence on what we think about and how we think about it, *Setting the Agenda* also examines the sources of media agendas, the psychological explanation for their impact on the public agenda, and their consequences for attitudes, opinions and behaviors. New to this edition is a discussion of agenda-setting in the widened media landscape, including a full chapter on network agenda-setting and a lengthened presentation on agenda-melding. The book also contains expanded material on social media and the role of agenda-setting beyond the realm of public affairs.

This exciting new edition is an invaluable source for students of media, communications and politics, as well as those interested in the role of news in shaping and directing public opinion.

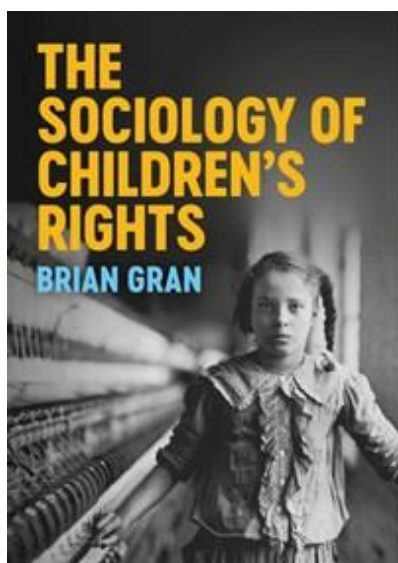
### Contributor Bio

**Maxwell McCombs** is Professor Emeritus in the School of Journalism at the University of Texas at Austin.

**Sebastián Valenzuela** is Associate Professor at the Pontificia Universidad Católica de Chile.

Polity Press  
9781509535798  
Ship Date: 26/11/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

248 Pages



Polity Press  
 9781509527854  
 Ship Date: 03/12/2020  
 \$22.95/£15.99 UK/€18.10 EU  
 Discount Code: P  
 Paperback

176 Pages

## The Sociology of Children's Rights

Brian Gran

### Summary

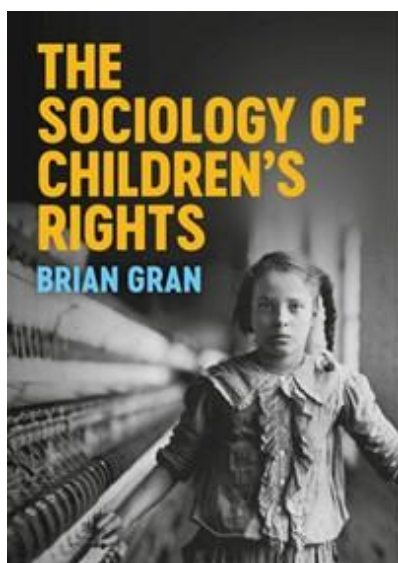
Children's rights appear universal, inalienable, and indivisible. They are intended to advance young people's interests, especially the welfare of vulnerable children. Yet in practice, evidence suggests the contrary: the international framework of treaties, procedures, and national policies contains fundamental contradictions that weaken commitments to children's real-world protections.

With insightful detail, Brian Gran helps us understand what is at stake when children's rights are compromised. The text grounds readers in core theories and key data about children's legal entitlements and their complex role in emerging tensions, institutions, and socio-political spheres. The chapters tackle central questions about what rights accrue to young people, whether they advance equality, and how they influence children's identities, freedoms, and societal participation. Ultimately, this book illuminates the ways in which current frameworks hinder young people from possessing and benefiting from human rights, arguing that they function as cynical invitations to question if we truly believe children are endowed with human rights.

*The Sociology of Children's Rights* offers a critical and accessible introduction to understanding a complex issue in the contemporary world, and is a compelling read for students and researchers concerned with human rights in sociology, political science, law, social work, and childhood studies.

### Contributor Bio

**Brian Gran** is a Jefferson Science Fellow and Professor of Sociology, Law, and Applied Social Sciences at Case Western Reserve University.



Polity Press  
 9781509527847  
 Ship Date: 03/12/2020  
 \$64.95/£50.00 UK/€56.50 EU  
 Discount Code: P  
 Hardcover

176 Pages

## The Sociology of Children's Rights

Brian Gran

### Summary

Children's rights appear universal, inalienable, and indivisible. They are intended to advance young people's interests, especially the welfare of vulnerable children. Yet in practice, evidence suggests the contrary: the international framework of treaties, procedures, and national policies contains fundamental contradictions that weaken commitments to children's real-world protections.

With insightful detail, Brian Gran helps us understand what is at stake when children's rights are compromised. The text grounds readers in core theories and key data about children's legal entitlements and their complex role in emerging tensions, institutions, and socio-political spheres. The chapters tackle central questions about what rights accrue to young people, whether they advance equality, and how they influence children's identities, freedoms, and societal participation. Ultimately, this book illuminates the ways in which current frameworks hinder young people from possessing and benefiting from human rights, arguing that they function as cynical invitations to question if we truly believe children are endowed with human rights.

*The Sociology of Children's Rights* offers a critical and accessible introduction to understanding a complex issue in the contemporary world, and is a compelling read for students and researchers concerned with human rights in sociology, political science, law, social work, and childhood studies.

### Contributor Bio

**Brian Gran** is a Jefferson Science Fellow and Professor of Sociology, Law, and Applied Social Sciences at Case Western Reserve University.

**Poverty (2nd Edition)**

Ruth Lister

No Image  
Available

**Summary**

Poverty remains one of the most urgent issues of our time. In this fully updated edition of her important intervention on the topic, Ruth Lister introduces students to the meaning and experience of poverty in the contemporary world.

The book opens with a lucid discussion of current debates around the definition and measurement of poverty in industrialized societies, before embarking on a multifaceted exploration of its conceptualization. It draws on thinking in the field of international development and real-life accounts to emphasize aspects of poverty such as powerlessness, lack of voice, loss of dignity and respect.

In so doing, the book embraces the relational, cultural, symbolic as well as material dimensions of poverty and makes important links between poverty and other concepts like capabilities, social divisions and exclusion, agency and citizenship. Lister concludes by making the case for reframing the politics of poverty as a claim for redistribution and recognition. The result is a rich and insightful analysis, which deepens and broadens our understanding of poverty today.

*Poverty* will be essential reading for all students in the social sciences, as well as researchers, activists and policy-makers.

**Contributor Bio**

**Ruth Lister** is Emeritus Professor of Social Policy at the University of Loughborough, and sits in the House of Lords of the UK Parliament.

Polity Press  
9780745645971  
Ship Date: 10/12/2020  
\$29.95/£17.99 UK/€20.40 EU  
Discount Code: P  
Paperback

256 Pages  
Series: Key Concepts

**Poverty (2nd Edition)**

Ruth Lister

No Image  
Available

**Summary**

Poverty remains one of the most urgent issues of our time. In this fully updated edition of her important intervention on the topic, Ruth Lister introduces students to the meaning and experience of poverty in the contemporary world.

The book opens with a lucid discussion of current debates around the definition and measurement of poverty in industrialized societies, before embarking on a multifaceted exploration of its conceptualization. It draws on thinking in the field of international development and real-life accounts to emphasize aspects of poverty such as powerlessness, lack of voice, loss of dignity and respect.

In so doing, the book embraces the relational, cultural, symbolic as well as material dimensions of poverty and makes important links between poverty and other concepts like capabilities, social divisions and exclusion, agency and citizenship. Lister concludes by making the case for reframing the politics of poverty as a claim for redistribution and recognition. The result is a rich and insightful analysis, which deepens and broadens our understanding of poverty today.

*Poverty* will be essential reading for all students in the social sciences, as well as researchers, activists and policy-makers.

**Contributor Bio**

**Ruth Lister** is Emeritus Professor of Social Policy at the University of Loughborough, and sits in the House of Lords of the UK Parliament.

Polity Press  
9780745645964  
Ship Date: 10/12/2020  
\$90.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

256 Pages  
Series: Key Concepts



## **Communicating the Future**

### **Solutions for Environment, Economy and Democracy**

W. Lance Bennett

#### **Summary**

We are facing an unprecedented environmental crisis. How can we communicate and act more effectively to make the political and economic changes required to survive within the life support capacities of our planet?

This is the question at the heart of scholar W. Lance Bennett's much-anticipated book. In lively prose, Bennett challenges readers to consider how best to approach the environmental crisis by changing how we think about the relationships between environment, economy and democracy. He introduces a framework that citizens, practitioners and scholars can use to evaluate common but unproductive communication that blocks thinking about change; develop more effective ways to define and approach problems; and design communication processes to engage diverse publics and organizations in developing understandings, goals, and political strategies. Until advocates develop economic programs with built-in environmental solutions, they will continue to lose policy fights. Putting "intersectional" communication into action requires acknowledging that communication is not only an exchange of messages, but an organizational process.

*Communicating the Future* is important reading for students and scholars of media and communication, as well as general readers concerned about the environmental crisis.

Polity Press  
9781509540457  
Ship Date: 17/12/2020  
\$19.95/£14.99 UK/€17.00 EU  
Discount Code: P  
Paperback

192 Pages



## **Communicating the Future**

### **Solutions for Environment, Economy and Democracy**

W. Lance Bennett

#### **Summary**

We are facing an unprecedented environmental crisis. How can we communicate and act more effectively to make the political and economic changes required to survive within the life support capacities of our planet?

This is the question at the heart of scholar W. Lance Bennett's much-anticipated book. In lively prose, Bennett challenges readers to consider how best to approach the environmental crisis by changing how we think about the relationships between environment, economy and democracy. He introduces a framework that citizens, practitioners and scholars can use to evaluate common but unproductive communication that blocks thinking about change; develop more effective ways to define and approach problems; and design communication processes to engage diverse publics and organizations in developing understandings, goals, and political strategies. Until advocates develop economic programs with built-in environmental solutions, they will continue to lose policy fights. Putting "intersectional" communication into action requires acknowledging that communication is not only an exchange of messages, but an organizational process.

*Communicating the Future* is important reading for students and scholars of media and communication, as well as general readers concerned about the environmental crisis.

Polity Press  
9781509540440  
Ship Date: 17/12/2020  
\$59.95/£45.00 UK/€50.90 EU  
Discount Code: P  
Hardcover

192 Pages



## Migration Studies and Colonialism

Lucy Mayblin

No Image  
Available

### Summary

The history of migration is deeply entangled with colonialism. To this day, colonial logics continue to shape the dynamics of migration as well as the responses of states to those arriving at their borders. And yet migration studies has been surprisingly slow to engage with colonial histories in making sense of migratory phenomena today.

This book starts from the premise that colonial histories should be central to migration studies, and explores what it would mean to really take that seriously. To engage with this task, Lucy Mayblin and Joe Turner argue that scholars need not forge new theories, but must learn from and be inspired by the wealth of literature that already exists across the world. Providing a range of inspiring and challenging perspectives on migration, the authors' aim is to demonstrate what paying attention to colonialism through using the tools offered by postcolonial, decolonial, and related scholarship can offer those studying international migration today. Offering a vital intervention in the field, this important book asks scholars and students of migration to explore the histories and continuities of colonialism in order to better understand the present.

### Contributor Bio

**Lucy Mayblin** is Senior Lecturer in Sociology at the University of Sheffield.

**Joe Turner** is Lecturer in Politics at the University of York.

Polity Press  
9781509542949  
Ship Date: 17/12/2020  
\$24.95/£15.99 UK/€18.10 EU  
Discount Code: P  
Paperback

256 Pages

## Migration Studies and Colonialism

Lucy Mayblin

No Image  
Available

### Summary

The history of migration is deeply entangled with colonialism. To this day, colonial logics continue to shape the dynamics of migration as well as the responses of states to those arriving at their borders. And yet migration studies has been surprisingly slow to engage with colonial histories in making sense of migratory phenomena today.

This book starts from the premise that colonial histories should be central to migration studies, and explores what it would mean to really take that seriously. To engage with this task, Lucy Mayblin and Joe Turner argue that scholars need not forge new theories, but must learn from and be inspired by the wealth of literature that already exists across the world. Providing a range of inspiring and challenging perspectives on migration, the authors' aim is to demonstrate what paying attention to colonialism through using the tools offered by postcolonial, decolonial, and related scholarship can offer those studying international migration today. Offering a vital intervention in the field, this important book asks scholars and students of migration to explore the histories and continuities of colonialism in order to better understand the present.

### Contributor Bio

**Lucy Mayblin** is Senior Lecturer in Sociology at the University of Sheffield.

**Joe Turner** is Lecturer in Politics at the University of York.

Polity Press  
9781509542932  
Ship Date: 17/12/2020  
\$69.95/£55.00 UK/€62.20 EU  
Discount Code: P  
Hardcover

256 Pages

## Decolonizing Sociology

### A Guide to Theory and Practice

Ali Meghji

No Image  
Available

#### Summary

Sociology was institutionalized as a discipline at the height of global colonialism and imperialism. Over a century later, sociology is yet to shake off its commitment to a colonial logic.

This book explores why, and how, sociology needs to be decolonized. It analyses how sociology was integral in reproducing the colonial order, as dominant sociologists constructed theories either assuming or proving the supposed barbarity and backwardness of colonized people. Ali Meghji reveals how colonialism continues to shape the discipline today, dominating both social theory and the practice of sociology, how exporting the Eurocentric sociological canon erased social theories from the Global South, and how sociologists continue to ignore the relevance of coloniality in their work.

This critique and guide will be necessary reading for any student or proponent of sociology. In conversation with other decolonial advocates, Meghji provides key suggestions for what the sociological community can do to decolonize sociology going forward. Because, with curriculum reform and innovative teaching, it is possible to make sociology more equitable on a global scale.

#### Contributor Bio

**Ali Meghji** is Lecturer in Social Inequalities at the University of Cambridge.

Polity Press  
9781509541959  
Ship Date: 24/12/2020  
\$19.99/£15.99 UK/€18.10 EU  
Discount Code: P  
Paperback  
200 Pages

## Decolonizing Sociology

### A Guide to Theory and Practice

Ali Meghji

No Image  
Available

#### Summary

Sociology was institutionalized as a discipline at the height of global colonialism and imperialism. Over a century later, sociology is yet to shake off its commitment to a colonial logic.

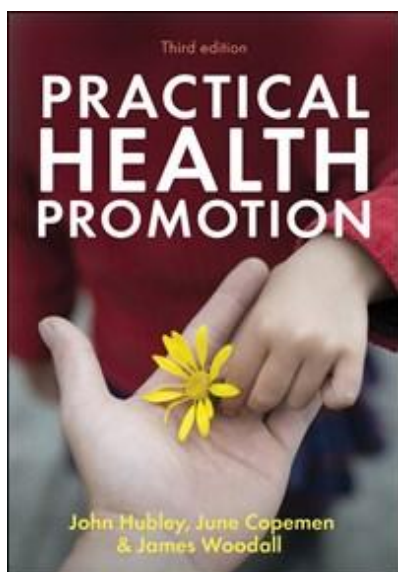
This book explores why, and how, sociology needs to be decolonized. It analyses how sociology was integral in reproducing the colonial order, as dominant sociologists constructed theories either assuming or proving the supposed barbarity and backwardness of colonized people. Ali Meghji reveals how colonialism continues to shape the discipline today, dominating both social theory and the practice of sociology, how exporting the Eurocentric sociological canon erased social theories from the Global South, and how sociologists continue to ignore the relevance of coloniality in their work.

This critique and guide will be necessary reading for any student or proponent of sociology. In conversation with other decolonial advocates, Meghji provides key suggestions for what the sociological community can do to decolonize sociology going forward. Because, with curriculum reform and innovative teaching, it is possible to make sociology more equitable on a global scale.

#### Contributor Bio

**Ali Meghji** is Lecturer in Social Inequalities at the University of Cambridge.

Polity Press  
9781509541942  
Ship Date: 24/12/2020  
\$64.95/£50.00 UK/€56.50 EU  
Discount Code: P  
Hardcover  
200 Pages



## **Practical Health Promotion (3rd Edition)**

John Hubley, June Copeman, James Woodall

### **Summary**

The third edition of this popular introductory textbook has been revised to provide a totally up-to-date and hands-on guide to the practical aspects of health promotion. Focusing on the range of skills needed to become an effective practitioner, it takes readers step-by-step through the different settings in which health promotion takes place and the various tools they might employ, including chapters on health promotion through the lifespan, one-to-one communication, working with groups, advocacy, social media, workplace settings and planning and management.

As well as incorporating the most recent government policies and initiatives in public health, there is new and expanded material on issues such as community initiatives and alliances, social media, health literacy, understanding health behaviours, stress in the workplace and much more.

Throughout the text there are activities to develop students' understanding and encourage reflective practice. Each chapter opens with a list of the central issues and learning objectives which are reinforced with real-life case studies. The key terms highlighted are clearly explained and checklists dispersed throughout the book, enabling practical application.

The new edition of *Practical Health Promotion* will continue to be the ideal and indispensable guide for students at all levels. It will inspire anyone involved with health care to find practical ways of promoting change.

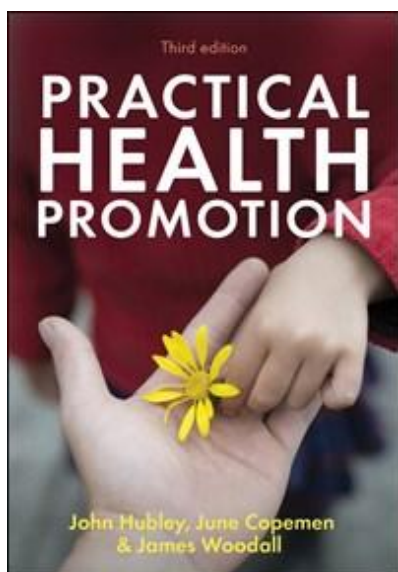
### **Contributor Bio**

**John Hubley** was formerly Principal Lecturer in Health Promotion at Leeds Beckett University.

**June Copeman** is retired Principal Lecturer in Nutrition and Dietetics at Leeds Beckett University.

**James Woodall** is Reader and Head of Subject in Health Promotion at Leeds Beckett University

Polity Press  
9781509541744  
Ship Date: 24/12/2020  
\$34.95/£19.99 UK/€22.60 EU  
Discount Code: P  
Paperback  
352 Pages



## **Practical Health Promotion (3rd Edition)**

John Hubley, June Copeman, James Woodall

### **Summary**

The third edition of this popular introductory textbook has been revised to provide a totally up-to-date and hands-on guide to the practical aspects of health promotion. Focusing on the range of skills needed to become an effective practitioner, it takes readers step-by-step through the different settings in which health promotion takes place and the various tools they might employ, including chapters on health promotion through the lifespan, one-to-one communication, working with groups, advocacy, social media, workplace settings and planning and management.

As well as incorporating the most recent government policies and initiatives in public health, there is new and expanded material on issues such as community initiatives and alliances, social media, health literacy, understanding health behaviours, stress in the workplace and much more.

Throughout the text there are activities to develop students' understanding and encourage reflective practice. Each chapter opens with a list of the central issues and learning objectives which are reinforced with real-life case studies. The key terms highlighted are clearly explained and checklists dispersed throughout the book, enabling practical application.

The new edition of *Practical Health Promotion* will continue to be the ideal and indispensable guide for students at all levels. It will inspire anyone involved with health care to find practical ways of promoting change.

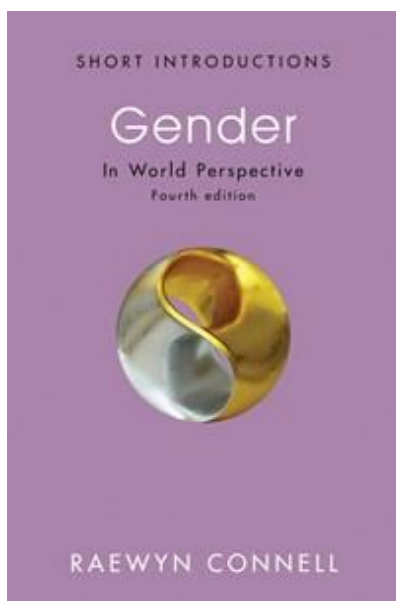
### **Contributor Bio**

**John Hubley** was formerly Principal Lecturer in Health Promotion at Leeds Beckett University.

**June Copeman** is retired Principal Lecturer in Nutrition and Dietetics at Leeds Beckett University.

**James Woodall** is Reader and Head of Subject in Health Promotion at Leeds Beckett University

Polity Press  
9781509541737  
Ship Date: 24/12/2020  
\$84.95/£65.00 UK/€71.50 EU  
Discount Code: P  
Hardcover  
352 Pages



Polity Press  
 9781509539000  
 Ship Date: 31/12/2020  
 \$19.95/£15.99 UK/€18.10 EU  
 Discount Code: P  
 Paperback

208 Pages  
 Series: Short Introductions

## **Gender** (4th Edition) **In World Perspective** Raewyn W. Connell

### **Summary**

How can we understand gender in the contemporary world? What psychological differences now exist between women and men? How are masculinities and femininities made? And how is gender entwined in global politics and debates over trans issues?

Raewyn Connell, one of the world's leading scholars in the field, answers these questions and more. Her book provides a sophisticated yet accessible introduction to modern gender studies, covering empirical research from all parts of the world in addition to theory and politics. As well as introducing the field, *Gender* provides a powerful contemporary framework for gender analysis with a strong and distinctive global awareness. Highlighting the multi-dimensional character of gender relations, Connell shows how to link personal life with large-scale organizational structures and how gender politics changes its form in changing situations.

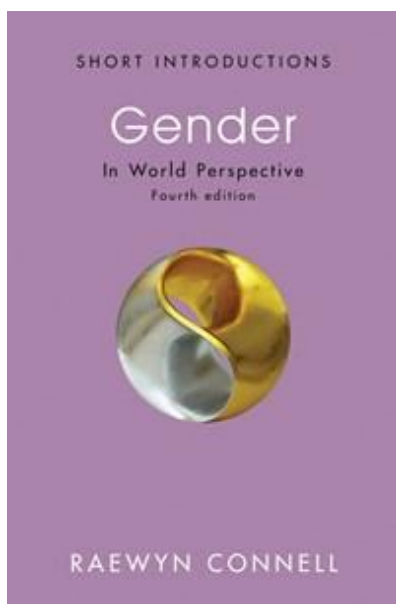
The fourth edition of this influential book brings the statistical picture of gender inequalities up to date, and offers new close-focus case studies of gender research. Like previous editions it examines gender politics and global power relations, but with added discussion around contemporary issues of intersectionality, populism, gender-based violence, trans struggles and environmental change. It also speaks at the intimate level, about embodied gender and personal relationships.

*Gender* moves from personal experience to global problems, offering a unique perspective on gender issues today

### **Contributor Bio**

**Raewyn Connell** is Professor Emerita at the University of Sydney. She is an internationally renowned researcher in the field of Sex and Gender; her previous publications include *Masculinities*, *Gender and Power*, *Making the Difference*, and *Southern Theory*.





**Gender** (4th Edition)  
**In World Perspective**  
 Raewyn W. Connell

### Summary

How can we understand gender in the contemporary world? What psychological differences now exist between women and men? How are masculinities and femininities made? And how is gender entwined in global politics and debates over trans issues?

Raewyn Connell, one of the world's leading scholars in the field, answers these questions and more. Her book provides a sophisticated yet accessible introduction to modern gender studies, covering empirical research from all parts of the world in addition to theory and politics. As well as introducing the field, *Gender* provides a powerful contemporary framework for gender analysis with a strong and distinctive global awareness. Highlighting the multi-dimensional character of gender relations, Connell shows how to link personal life with large-scale organizational structures and how gender politics changes its form in changing situations.

The fourth edition of this influential book brings the statistical picture of gender inequalities up to date, and offers new close-focus case studies of gender research. Like previous editions it examines gender politics and global power relations, but with added discussion around contemporary issues of intersectionality, populism, gender-based violence, trans struggles and environmental change. It also speaks at the intimate level, about embodied gender and personal relationships.

*Gender* moves from personal experience to global problems, offering a unique perspective on gender issues today

### Contributor Bio

**Raewyn Connell** is Professor Emerita at the University of Sydney. She is an internationally renowned researcher in the field of Sex and Gender; her previous publications include *Masculinities*, *Gender and Power*, *Making the Difference*, and *Southern Theory*.

Polity Press  
 9781509538997  
 Ship Date: 31/12/2020  
 \$69.95/£45.00 UK/€50.90 EU  
 Discount Code: P  
 Hardcover

208 Pages  
 Series: Short Introductions