

JAPAN PREVIEW

November 2019



WILEY

International Corporate Finance

Value Creation with Currency Derivatives in Global Capital Markets

2nd Edition

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Mathematics for Enzyme Reaction Kinetics and Reactor Performance

2 Volume Set

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Inorganic Battery Materials

無機電池材料

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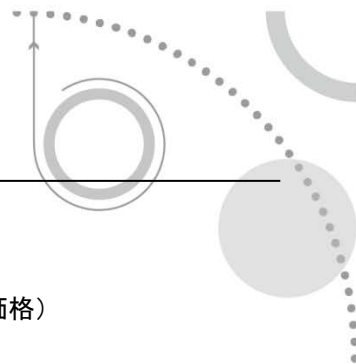
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6th Edition

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芸術

The Music Industry

Music in the Cloud

PATRIK WIKSTRÖM

Since the first edition was published in 2009, Patrik Wikström's *The Music Industry* has become a go-to text for students and scholars. This thoroughly updated third edition provides an international overview of the music industry and its future prospects in the world of global entertainment.



The music industry has experienced two turbulent decades of immense change brought about in part by the digital revolution. How has the industry been transformed by these economic and technological upheavals, and how is it likely to change in the future? What is the role of music in this digital age? Wikström illuminates the workings of the industry, deftly capturing the dynamics at work in the production of musical culture between the transnational media conglomerates, the independent music companies and the public. New to this third edition are expanded sections on the changing structure of the music industry, the impact of digitization on music listening practices, and the evolution of music streaming platforms.

READERSHIP: Undergraduates taking courses in popular music, music industries, sociology of music, music management, and cultural/creative industries.

SERIES: DIGITAL MEDIA AND SOCIETY

NOVEMBER 2019 224PP

978-1-5095-3013-7 CL \$69.95 (Japan)

Music

NOVEMBER 2019 224PP

978-1-5095-3014-4 PB \$22.95 (Japan)

Music

International Corporate Finance

Value Creation with Currency Derivatives in Global Capital Markets

2nd Edition

LAURENT L. JACQUE

As globalization is redefining the field of corporate finance, international finance is now part and parcel of the basic literacy of any financial executive. This is why International Corporate Finance is a "must" text for upper-undergraduates, MBAs aspiring to careers in global financial services and budding finance professionals.

International Corporate Finance offers thorough coverage of the international monetary system, international financing, foreign exchange risk management and cross-border valuation. Additionally, the book offers keen insight on how disintermediation, deregulation and securitization are re-shaping global capital markets.

What is different about International Corporate Finance?

- Each chapter opens with a real-life mini-case to anchor theoretical concepts to managerial situations.
- Provides simple decision rules and "how to do" answers to key managerial issues.
- Cross-border Mergers & Acquisitions, Project Finance, Islamic Finance, Asian Banking & Finance are completely new chapters that no other textbooks currently cover.
- Accompanied with a comprehensive instructor support package which includes case studies, an Instructor's Manual, PowerPoint slides, Multiple Choice Questions and more.



SERIES: WILEY FINANCE

NOVEMBER 2019 768PP

978-1-119-55046-4 CL \$120.00 (Japan)

Corporate Finance

Aquaculture Engineering

3rd Edition

ODD-IVAR LEKANG

Since the publication of the first edition of Aquaculture Engineering there have been many advances in the industry. The revised and thoroughly updated third edition of Aquaculture Engineering covers the principles and applications of all major facets of aquaculture engineering and the newest developments in the field. Written by a noted expert on the topic, the new edition highlights information on new areas of interest including RAS technology and offshore fish farming.



Comprehensive in scope, the book examines a range of topics including: water transportation and treatment; feed and feeding systems; fish transportation and grading; cleaning and waste handling; instrumentation and monitoring; removal of particles; aeration and oxygenation; recirculation and water reuse systems; ponds; and the design and construction of aquaculture facilities. This important book:

- Presents an updated review of the basic principles and applications in aquaculture engineering
- Includes information on new areas of focus; RAS technology and offshore fish farming
- Contains a revised edition of the classic resource on aquaculture engineering
- Continues to offer an authoritative guide written by a leading expert in the field

Written for aquaculture scientists and managers, engineers, equipment manufacturers and suppliers, and biological scientists, the third edition of Aquaculture Engineering is the authoritative guide to the topic that has been updated to include the most recent developments in the industry.

NOVEMBER 2019 576PP

978-1-119-48901-6 CL \$229.99 (Japan)

Aquaculture

NOVEMBER 2019

978-1-119-48904-7 **Wiley Online Library**

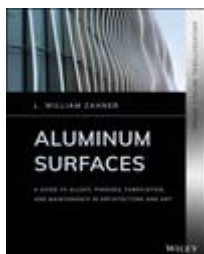
Aluminum Surfaces

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

L. WILLIAM ZAHNER

A. Zahner Company, Kansas City, MO

Aluminum Surfaces, second in William Zahner's Architectural Metals Series, provides a comprehensive and authoritative treatment of aluminum applications in architecture and art. It offers architecture and design professionals the information they need to ensure proper maintenance and fabrication techniques through detailed information and full color images. It covers everything from the history of the metal and choosing the right alloy, to detailed information on a variety of surface and chemical finishes and corrosion resistance. The book also features case studies offering architecture and design professionals strategies for designing and executing successful projects using aluminum.



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

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

For architecture professionals, metal fabricators, developers, architecture students and instructors, designers, and artists working with metals, Aluminum Surfaces offers a logical framework for the selection and application of aluminum in all aspects of architecture.

SERIES: ARCHITECTURAL METALS SERIES

NOVEMBER 2019 384PP

978-1-119-54176-9 PB \$75.00 (Japan)

Building Design

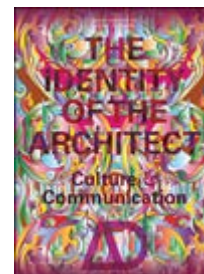
The Identity of the Architect

Culture and Communication

LAURA ILONIEMI

Consultant - London, England

Today there are more tools for communication than ever before, yet very little in the way of reflection on how these are being used and even less on what exactly is being conveyed. This issue of AD looks at how architecture is communicated from a cultural perspective. Do the identities of practices or their business-driven branding and promotional efforts resonate with the critical acclaim many architects seek?



Has slick image-led media coverage sold the profession short? How is it possible to convey the less visual and haptic qualities of architecture? Can architects be more creative in their communication efforts, making these joyous on their own terms as Le Corbusier did so memorably? Is there really a need to succumb to the world of corporate marketing processes and managerial business jargon?

The issue explores notions of editing and curating work in an age of data deluge, and discusses social media as a genuinely alternative space for communication rather than for just repurposing and regurgitating information relayed. The Identity of the Architect encourages the promotion of practices as an integral extension of the very culture they hope to engender through their work.

SERIES: ARCHITECTURAL DESIGN

NOVEMBER 2019 144PP

978-1-119-54621-4 PB \$45.00 (Japan)

Professional Practice

ビジネス

The Cybersecurity Playbook

How Every Leader and Employee Can Contribute to a Culture of Security

ALLISON CERRA

Many books discuss the technical underpinnings and complex configurations necessary for cybersecurity--but they fail to address the everyday steps that boards, managers, and employees can take to prevent attacks. The Cybersecurity Playbook is the step-by-step guide to protecting your organization from unknown threats and integrating good security habits into everyday business situations. This book provides clear guidance on how to identify weaknesses, assess possible threats, and implement effective policies. Recognizing that an organization's security is only as strong as its weakest link, this book offers specific strategies for employees at every level. Drawing from her experience as CMO of one of the world's largest cybersecurity companies, author Allison Cerra incorporates straightforward assessments, adaptable action plans, and many current examples to provide practical recommendations for cybersecurity policies. By demystifying cybersecurity and applying the central concepts to real-world business scenarios, this book will help you:

- Deploy cybersecurity measures using easy-to-follow methods and proven techniques
- Develop a practical security plan tailor-made for your specific needs
- Incorporate vital security practices into your everyday workflow quickly and efficiently

The ever-increasing connectivity of modern organizations, and their heavy use of cloud-based solutions present unique challenges: data breaches, malicious software infections, and cyberattacks have become commonplace and costly to organizations worldwide. The Cybersecurity Playbook is the invaluable guide to identifying security gaps, getting buy-in from the top, promoting effective daily security routines, and safeguarding vital resources. Strong cybersecurity is no longer the sole responsibility of IT departments, but that of every executive, manager, and employee.

NOVEMBER 2019 224PP

978-1-119-44219-6 CL \$25.00 (Japan)*Business Technology*

Digital Transformation

Building Intelligent Enterprises

ANUP MAHESHWARI

The speed of innovation and emerging IT technologies are changing at a very fast pace and enterprises are eager to join the digital revolution so they can stand above the competition and succeed as the enterprise of tomorrow. This book is an attempt to make the enterprise intelligent by providing the path to digital transformation and the adoption of new IT methods, tools and technologies.

This book has been organized to cover the following topics: Digital Transformation, Design Thinking, Agile, DevOps, Robotic Process Automation, Internet of Things, Artificial Intelligence, Machine Learning, Blockchain, Drones, Augmented and Virtual Reality, 3D Printing, Big Data, Analytics, Cloud Computing, APIs, and SAP Leonardo. No prior knowledge of any technical coding or language is necessary to understand the content of this book.

- End-to-end storyline to accelerate the enterprise's digital transformation journey
- How an enterprise can stay relevant, compete, and perform in the digital economy
- How to leverage these technologies to build intelligent enterprises
- Understand and apply the emerging technologies across key business processes
- Industry-specific Use Cases for all technologies as a reference point to build the business case for implementation

The book is very well suited towards the C-Suite executives, both IT and business leaders, directors and managers, project managers, solution architects, and all professionals who have an interest and desire to keep up-to-date with the latest technological trends, looking for a career change, want to help enterprise adapt and onboard the digital roadmap, or have an agenda to digitize key processes within the enterprise to make it intelligent.

NOVEMBER 2019 384PP

978-1-119-54083-0 CL \$40.00 (Japan)*Business Technology*

The Effective Hiring Manager

MARK HORSTMAN

The Effective Hiring Manager offers an essential guide for managers, team leaders, and HR professionals in organizations large or small. The author's step-by-step approach makes the strategies easy to implement and help to ensure ongoing success.

Hiring effectively is the single greatest long-term contribution to your organization. The only thing worse than having an open position is filling it with the wrong person. The Effective Hiring Manager offers a proven process for solving these problems and helping teams and organizations thrive.

- The fundamental principles of hiring and interviewing
- How to create criteria to hire by
- How to create excellent interview questions
- How to review resumes
- How to conduct phone screens
- How to structure an interview day
- How to conduct each interview
- How to capture interview results
- How to make an offer
- How to decline a candidate
- How to onboard candidates

Written by Mark Horstman, co-founder of Manager Tools and an expert in training managers, The Effective Hiring Manager is an A to Z handbook to the successful hiring process. The book explores, in helpful detail, what it takes to hire the right person, for the right job, and the right team.

NOVEMBER 2019 240PP

978-1-119-57432-3 CL \$28.00 (Japan)

Management



Key Performance Indicators (KPI)

4th Edition

Developing, Implementing, and Using Winning KPIs

DAVID PARMENTER, *Wellington, New Zealand*
Waymark Solutions, *Wellington, New Zealand*

This book helps minimize the risks that working on a KPI/balanced scorecard project encompasses. It is designed for the project team, senior management, external project facilitators and team coordinators whose role it is to steer such a project to success. The role they play could leave a great legacy in the organizations for years to come, or could amount to nothing by joining the many performance measurement initiatives that have failed.

- The myths of performance measurement
- Selling a KPI project (to the Board, the CEO and senior management team)
- The 12-step model for developing and using KPIs with guidelines
- How to brainstorm performance measures
- Reporting performance measures
- The KPI project leaders corner (What a project leader must know but may be afraid to ask, some exercises to test the manager's understanding)

NOVEMBER 2019 448PP

978-1-119-62077-8 CL \$49.95 (Japan)

Strategic Management

OCTOBER 2019

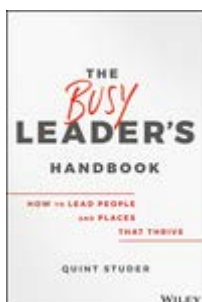
978-1-119-62078-5 **Wiley Online Library**

The Busy Leader's Handbook

How To Lead People and Places That Thrive

QUINT STUDER, *Gulf Breeze*

The Handbook is packed with proven best practices, tools, tips, and tactics for engaging employees, revitalizing cultures, delighting customers, and building high-performance companies. Short, succinct, and accessible, each chapter is "stand-alone," offering helpful advice for meeting common business challenges. Plus, the strategies, approaches, and tactics are designed to be put into action immediately.



- Why putting the right foundational structures in place early on creates clarity and heads off problems that cause businesses to struggle and fail
- The importance of followership: why being a good leader requires that you first be a good follower
- Why we tend to run from self-disruption and a sense of being unsettled (and how to learn to embrace them instead)
- Why leaders should seek consent, not consensus
- How to engage employees and create a positive workplace culture
- How to help employees find meaning and purpose in their work
- How to conduct difficult conversations and resolve conflicts--and why having these skills (or not) can make or break you as a leader
- Advice for attracting and hiring the best talent, retaining them over time, and dealing with the low performers who drive them away
- Why mentoring is so powerful and how to encourage it inside your company
- Tips and tactics for seeing the world through your customer's eyes
- How to reduce customer anxiety (and encourage them to buy) with the right words at the right times for the right reasons

NOVEMBER 2019 272PP

978-1-119-57664-8 CL \$28.00 (Japan)

Management / Leadership

Beyond Team Building

How to Build High Performing Teams and the Culture to Support Them

W. GIBB DYER JR. & JEFFREY H. DYER
Brigham Young University; Brigham Young University

Beyond Team Building: How to Build High Performing Teams and the Culture to Support Them represents the latest in thinking about creating effective teams. The authors present a new "Five C" framework that focuses on the core aspects of team building. The book helps the reader assess how his/her team is performing on each of the 5Cs--context, composition, competencies, change, and collaborative leadership, and discusses options concerning how to improve team performance along each of these dimensions. The book includes:

- A wealth of examples of effective (and ineffective) teams from such companies as Cisco Systems, Bain & Company, and Amazon
- New material concerning how to develop effective entrepreneurial and family teams
- How to manage cross-cultural, virtual, and alliance teams
- How to create a "team building organization"

This book provides the next generation of team leaders, team members, and team consultants with the knowledge and skills they need to create effective and high functioning teams.

NOVEMBER 2019 256PP

978-1-119-55140-9 CL \$30.00 (Japan)

Management / Teams



Sell More Faster

The Ultimate Sales Playbook for Start-Ups

AMOS SCHWARTZFARB

Most startups fail because they can't grow revenue early or quickly enough. Startup CEOs will tell you their early missteps can be attributed to not finding their product market fit early enough, or at all. Founders overspend time and money trying to find product-market fit and make false starts, follow the wrong signals, and struggle to generate enough revenue to scale and raise funding. And all the while they never really knew who their customers were, what product they really needed, and why they needed it. But it doesn't have to be this way, and founders don't need to face it alone. Through expert guidance and experienced mentorship, every startup can avoid these pitfalls.



The ultimate guide for building and scaling any startup sales organization, *Sell More Faster* shares the proven systems, methods, and lessons from Managing Director of Techstars Austin and sales expert Amos Schwartzfarb. Hear from founders of multi-million-dollar companies and CEOs who learned firsthand with Techstars, the leading mentorship-driven startup accelerator and venture capital firm that has invested in and mentored thousands of companies, collectively representing billions of dollars in funding and market cap. Schwartzfarb, and the Techstars Worldwide Network of more than 10,000 mentors do one thing better than anyone: help startup entrepreneurs succeed. They know how to sell, how to hire people who know how to sell, and how to use sales to gain venture funding--and now you can, too.

Sell More Faster delivers the critical strategies and guidance necessary to avoid and manage the hazards all startups face and beat the odds. This valuable resource delivers:

- A comprehensive playbook to identify product market direction and product market fit
- Expert advice on building a diverse sales team and how to identify, recruit, and train the kinds of team members you need
- Models and best practices for sales funnels, pricing, compensation, and scaling
- A roadmap to create a repeatable and measurable path to find product-market fit
- Aggregated knowledge from Techstars leaders and industry experts

Sell More Faster is an indispensable guide for entrepreneurs seeking product-market fit, building their sales team, developing a growth strategy, and chasing accelerated, sustained selling success.

SERIES: TECHSTARS

NOVEMBER 2019 192PP

978-1-119-59780-3 CL \$25.00 (Japan)

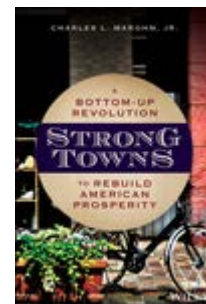
Marketing & Sales

Strong Towns

A Bottom-Up Revolution to Rebuild American Prosperity

CHARLES MAROHN JR.

Strong Towns: A Bottom-Up Revolution to Build American Prosperity is a book of forward-thinking ideas that breaks with modern wisdom to present a new vision of urban development in the United States. Presenting the foundational ideas of the Strong Towns movement he co-founded, Charles Marohn explains why cities of all sizes continue to struggle to meet their basic needs, and reveals the new paradigm that can solve this longstanding problem.



Inside, you'll learn why inducing growth and development has been the conventional response to urban financial struggles--and why it just doesn't work. New development and high-risk investing don't generate enough wealth to support itself, and cities continue to struggle. Read this book to find out how cities large and small can focus on bottom-up investments to minimize risk and maximize their ability to strengthen the community financially and improve citizens' quality of life.

- Develop in-depth knowledge of the underlying logic behind the "traditional" search for never-ending urban growth
- Learn practical solutions for ameliorating financial struggles through low-risk investment and a grassroots focus
- Gain insights and tools that can stop the vicious cycle of budget shortfalls and unexpected downturns
- Become a part of the Strong Towns revolution by shifting the focus away from top-down growth toward rebuilding American prosperity

Strong Towns acknowledges that there is a problem with the American approach to growth and shows community leaders a new way forward. The Strong Towns response is a revolution in how we assemble the places we live.

NOVEMBER 2019 256PP

978-1-119-56481-2 CL \$25.00 (Japan)

Business & Management Special Topics

Research Methods For Business

8th Edition

UMA SEKARAN & ROGER BOUGIE

Southern Illinois University; Roger Bougie, Tilburg University, The Netherlands

NOVEMBER 2019 448PP

978-1-119-56122-4 PB \$94.00 (Japan)

Business & Management Special Topics

Vehicle Scanning Method for Bridges

YEONG-BIN YANG, JUDY P. YANG, YUNTIAN WU & BIN ZHANG

Written by the leading author on the subject of vehicle scanning method (VSM) for bridges, this book allows engineers to monitor every bridge of concern on a regular and routine basis, for the purpose of maintenance and damage detection. It includes a review of the existing literature on the topic and presents the basic concept of extracting bridge frequencies from a moving test vehicle fitted with vibration sensors. How road surface roughness affects the vehicle scanning method is considered and a finite element simulation is conducted to demonstrate how surface roughness affects the vehicle response. Case studies and experimental results are also included.

Vehicle Scanning Method for Bridges covers an enhanced technique for extracting higher bridge frequencies. It examines the effect of road roughness on extraction of bridge frequencies, and looks at a dual vehicle technique for suppressing the effect of road roughness. A filtering technique for eliminating the effect of road roughness is also presented. In addition, the book covers the identification of bridge mode shapes, contact-point response for modal identification of bridges, and damage detection of bridges—all through the use of a moving test vehicle.

- The first book on vehicle scanning of the dynamic properties of bridges
- Written by the leading author on the subject
- Includes a state-of-the-art review of the existing works on the vehicle scanning method (VSM)
- Presents the basic concepts for extracting bridge frequencies from a moving test vehicle fitted with vibration sensors
- Includes case studies and experimental results

The first book to fully cover scanning the dynamic properties of bridges with a vehicle, *Vehicle Scanning Method for Bridges* is an excellent resource for researchers and engineers working in civil engineering, including bridge engineering and structural health monitoring.

NOVEMBER 2019 500PP

978-1-119-53958-2 CL \$140.00 (Japan)

Structures

OCTOBER 2019

978-1-119-53962-9 [Wiley Online Library](#)

Construction Project Scheduling and Control 4th Edition

SALEH A. MUBARAK

The success of a construction project is dependent on a schedule that is well-defined yet flexible to allow for inevitable delays or changes. Without an effective schedule, projects often run over budget and deadlines are missed which can jeopardize the success of the project. The updated *Construction Project Scheduling and Control*, Fourth Edition is a comprehensive guide that examines the analytical methods used to devise an efficient and successful schedule for construction projects of all sizes. This Fourth Edition describes the tools and methods that make projects run smoothly, with invaluable information from a noted career construction professional.

Construction Project Scheduling and Control, Fourth Edition offers construction professionals a redefined Critical Path Method (CPM) and updated information on Building Information Modeling (BIM) and how it impacts project control. This Fourth Edition includes worked problems and scheduling software exercises that help students and practicing professionals apply critical thinking to issues in construction scheduling. This updated edition of *Construction Project Scheduling and Control*:

- Includes a revised chapter on the Critical Path Method (CPM) and an all-new chapter on project scheduling and control as viewed through the owner's perspective
- Provides numerous worked problems and construction scheduling exercises
- Includes an expanded glossary and list of acronyms
- Offers updated instructor materials including PowerPoint lecture slides and an instructor's manual

Written for undergraduate and graduate students in construction management, civil engineering, and architecture, as well as practicing construction management professionals, *Construction Project Scheduling and Control*, Fourth Edition is updated to reflect the latest practices in the field.

NOVEMBER 2019 608PP

978-1-119-49983-1 CL \$135.00 (Japan)

Construction



化学工学

Chemical Technology

From Principles to Products

2nd Edition

ANDREAS JESS & PETER WASSERSCHIED
University of Bayreuth, Germany; Friedrich-Alexander University
Erlangen-Nuremberg, Germany

Clear and thorough throughout, this textbook covers the major sub-disciplines of modern chemical technology chemistry, thermal and mechanical unit operations, chemical reaction engineering, and general chemical technology alongside raw materials, energy sources and detailed descriptions of 24 important industrial processes and products. It brings information on energy and raw material consumption and production data of chemicals up to date and offers not just improved and extended chapters, but completely new ones as well.



This new edition of Chemical Technology: From Principles to Products features a new chapter illustrating the global economic map and its development from the 15th century until today, and another on energy consumption in human history. Chemical key technologies for a future sustainable energy system such as power-to-X and hydrogen storage are now also examined. Chapters on inorganic products, material reserves, and water consumption and resources have been extended, while another presents environmental aspects of plastic pollution and handling of plastic waste. The book also adds four important processes to its pages: production of titanium dioxide, silicon, production and chemical recycling of polytetrafluoroethylene, and fermentative synthesis of amino acids.

- Provides comprehensive coverage of chemical technology from the fundamentals to 24 of the most important processes
- Intertwines the four disciplines of chemical technology: chemistry, thermal and mechanical unit operations, chemical reaction engineering and general chemical technology
- Fully updated with new content on: power-to-X and hydrogen storage; inorganic products, including metals, glass, and ceramics; water consumption and pollution; and additional industrial processes
- Written by authors with extensive experience in teaching the topic and helping students understand the complex concepts

Chemical Technology: From Principles to Products, Second Edition is an ideal textbook for advanced students of chemical technology and will appeal to anyone in chemical engineering.

DECEMBER 2019 1112PP

978-3-527-34421-5 CL \$135.00 (Japan)

General & Introductory Chemical Engineering

Mathematics for Enzyme Reaction Kinetics and Reactor Performance

2 Volume Set

F. XAVIER MALCATA
Instituto Superior da Maia

Mathematics for Enzyme Reaction Kinetics and Reactor Performance is the first set in a unique 11 volume-collection on Enzyme Reactor Engineering. This two volume-set relates specifically to the wide mathematical background required for systematic and rational simulation of both reaction kinetics and reactor performance; and to fully understand and capitalize on the modelling concepts developed. It accordingly reviews basic and useful concepts of Algebra (first volume), and Calculus and Statistics (second volume). A brief overview of such native algebraic entities as scalars, vectors, matrices and determinants constitutes the starting point of the first volume; the major features of germane functions are then addressed. Vector operations ensue, followed by calculation of determinants. Finally, exact methods for solution of selected algebraic equations -- including sets of linear equations, are considered, as well as numerical methods for utilization at large.



The second volume begins with an introduction to basic concepts in calculus, i.e. limits, derivatives, integrals and differential equations; limits, along with continuity, are further expanded afterwards, covering uni- and multivariate cases, as well as classical theorems. After recovering the concept of differential and applying it to generate (regular and partial) derivatives, the most important rules of differentiation of functions, in explicit, implicit and parametric form, are retrieved -- together with the nuclear theorems supporting simpler manipulation thereof. The book then tackles strategies to optimize uni- and multivariate functions, before addressing integrals in both indefinite and definite forms. Next, the book touches on the methods of solution of differential equations for practical applications, followed by analytical geometry and vector calculus. Brief coverage of statistics--including continuous probability functions, statistical descriptors and statistical hypothesis testing, brings the second volume to a close.

SERIES: ENZYME REACTION ENGINEERING
NOVEMBER 2019 1152PP

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

General & Introductory Chemical Engineering

OCTOBER 2019

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

Guidelines for Inherently Safer Chemical Processes

A Life Cycle Approach
3rd Edition

CCPS (CENTER FOR CHEMICAL PROCESS SAFETY)

Since the publication of the second edition several United States jurisdictions have mandated consideration of inherently safer design for certain facilities. Notable examples are the inherently safer technology (IST) review requirement in the New Jersey Toxic Chemical Prevention Act (TCPA), and the Inherently Safer Systems Analysis (ISSA) required by the Contra Costa County (California) Industrial Safety Ordinance. More recently, similar requirements have been proposed at the U.S. Federal level in the pending EPA Risk Management Plan (RMP) revisions. Since the concept of inherently safer design applies globally, with its origins in the United Kingdom, the book will apply globally.

The new edition builds on the same philosophy as the first two editions, but further clarifies the concept with recent research, practitioner observations, added examples and industry methods, and discussions of security and regulatory issues. Inherently Safer Chemical Processes presents a holistic approach to making the development, manufacture, and use of chemicals safer. The main goal of this book is to help guide the future state of chemical process evolution by illustrating and emphasizing the merits of integrating inherently safer design process-related research, development, and design into a comprehensive process that balances safety, capital, and environmental concerns throughout the life cycle of the process. It discusses strategies of how to: substitute more benign chemicals at the development stage, minimize risk in the transportation of chemicals, use safer processing methods at the manufacturing stage, and decommission a manufacturing plant so that what is left behind does not endanger the public or environment.

NOVEMBER 2019 340PP

978-1-119-52916-3 CL \$150.00 (Japan)

Process Safety

OCTOBER 2019

978-1-119-52924-8 **Wiley Online Library**

Guidelines for Process Safety in Chemical Laboratories and Pilot Plants

CCPS (CENTER FOR CHEMICAL PROCESS SAFETY)

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

NOVEMBER 2019 400PP

978-1-119-01013-5 CL \$125.00 (Japan)

Process Safety

化学

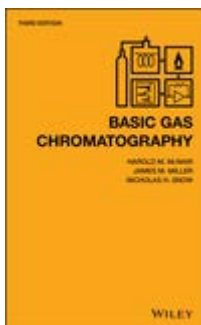
Basic Gas Chromatography**3rd Edition**

ガスクロマトグラフィーの基礎 第3版

HAROLD M. MCNAIR, JAMES M. MILLER, Madison, United States & NICHOLAS H SNOW

Virginia Polytechnic Institute and State University; Drew University

Basic Gas Chromatography, Third Edition provides a brief introduction to GC following the objectives for titles in this series. It should appeal to readers with varying levels of education and emphasizes a practical, applied approach to the subject. : This book provides a quick need-to-know introduction to gas chromatography; still the most widely used instrumental analysis technique, and is intended to assist new users in gaining understanding quickly and as a quick reference for experienced users. The new edition provides updated chapters that reflect changes in technology and methodology, especially sample preparation, detectors and multidimensional chromatography. The book also covers new detectors recently introduced and sample preparation methods that have become much more easily accessible since the previous edition.



NOVEMBER 2019 284PP

978-1-119-45075-7 CL \$79.95 (Japan)*Chromatography / Separation Techniques*

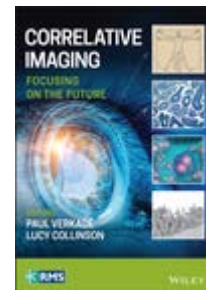
AUGUST 2019

978-1-119-45079-5 [Wiley Online Library](#)**Correlative Imaging****Focusing on the Future**

相関イメージング — 未来への展望

PAUL VERKADE & LUCY COLLINSON

This book provides contributions from international experts on correlative imaging, describing their vision of future developments in the field based on where it is today. Starting with a brief historical overview of how the field evolved, it presents the latest developments in microscopy that facilitate the correlative workflow. It also discusses the need for an ideal correlative probe, applications in proteomic and elemental analysis, interpretation methods, and how correlative imaging can incorporate force microscopy, soft x-ray tomography, and volume electron microscopy techniques. Work on placing individual molecules within cells is also featured.



Correlative Imaging: Focusing on the Future offers in-depth chapters on: correlative imaging from an LM perspective; the importance of sample processing for correlative imaging; correlative light and volume EM; correlation with scanning probe microscopies; and integrated microscopy. It looks at: cryo-correlative microscopy; correlative cryo soft X-ray imaging; and array tomography. Hydrated-state correlative imaging in vacuo, correlating data from different imaging modalities, and big data in correlative imaging are also considered.

- Brings a fresh view to one of the hottest topics within the imaging community: the correlative imaging field
- Discusses current research and offers expert thoughts on the field's future developments
- Presented by internationally-recognized editors and contributors with extensive experience in research and applications
- Of interest to scientists working in the fields of imaging, structural biology, cell biology, developmental biology, neurobiology, cancer biology, infection and immunity, biomaterials and biomedicine
- Part of the Wiley--Royal Microscopical Society series

Correlative Imaging: Focusing on the Future will appeal to those working in the expanding field of the biosciences, correlative microscopy and related microscopic areas. It will also benefit graduate students working in microscopy, as well as anyone working in the microscopy imaging field in biomedical research.

SERIES: RMS - ROYAL MICROSCOPICAL SOCIETY

NOVEMBER 2019 232PP

978-1-119-08645-1 CL \$130.00 (Japan)*Microscopy*

OCTOBER 2019

978-1-119-08642-0 [Wiley Online Library](#)

Waste Management in the Chemical and Petroleum Industries 2nd Edition

化学・石油産業における廃棄物マネジメント 第2版

ALIREZA BAHADORI

School of Environment, Science and Engineering, Southern Cross University, Australia

This new edition unravels essential requirements for the process design and engineering of the equipment and facilities pertaining to waste management for gas refineries, chemical plants, oil terminals, and petrochemical plants. Updated throughout, *Waste Management in the Chemical and Petroleum Industries, Second Edition* offers chapters on wastewater treatment; physical unit operations; chemical treatment; biological treatment; and wastewater treatment in unconventional oil and gas industries. It also covers wastewater sewer systems; sewage treatment; and solid waste treatment and disposal.

New topics include:

- water pollution terminals
- the design procedure for effluent water pollution control
- spill prevention and control
- groundwater pollution control
- wastewater pollution control in crude oil terminals
- Information on the source of polymeric plants
- examination of water and wastewater radioactivity
- soil pollution
- pipeline leak consequence evaluation

Waste Management in the Chemical and Petroleum Industries, Second Edition is an ideal text for researchers and advanced students in chemical, petroleum, and environmental fields, as well as for those in civil engineering.

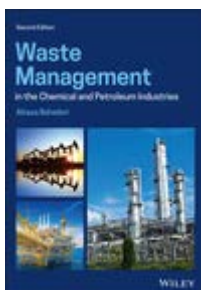
NOVEMBER 2019 448PP

978-1-119-55172-0 CL \$172.00 (Japan)

Industrial Chemistry

NOVEMBER 2019

978-1-119-55174-4 [Wiley Online Library](#)



Antibiotic Drug Resistance

抗生物質耐性

Editor JOSÉ-LUIS CAPELO-MARTÍNEZ & Editor GILBERTO IGREJAS

This book presents a thorough and authoritative overview of the multifaceted field of antibiotic science -- offering guidance to translate research into tools for prevention, diagnosis, and treatment of infectious diseases.

- Provides readers with knowledge about the broad field of drug resistance
- Offers guidance to translate research into tools for prevention, diagnosis, and treatment of infectious diseases
- Links strategies to analyze microbes to the development of new drugs, socioeconomic impacts to therapeutic strategies, and public policies to antibiotic-resistance-prevention strategies



NOVEMBER 2019 720PP

978-1-119-28252-5 CL \$295.00 (Japan)

Drug Discovery & Development

SEPTEMBER 2019

978-1-119-28254-9 [Wiley Online Library](#)

Target Discovery and Validation

創薬標的の発見とターゲットバリデーション

ALLEYN T. PLOWRIGHT, RAIMUND MANNHOLD, HELMUT BUSCHMANN & JÖRG HOLENZ

University of Dusseldorf, Ge; Aachen, Germany; Laboratorios Dr. Esteve, Barcelona, Spain

Current methods for the identification and validation of drug targets from one handy reference - complete with case studies and numerous practical examples.

SERIES: METHODS AND PRINCIPLES IN MEDICINAL CHEMISTRY

NOVEMBER 2019 392PP

978-3-527-34529-8 CL \$215.00 (Japan)

Drug Discovery & Development



OCTOBER 2019

978-3-527-81824-2 [Wiley Online Library](#)

In Vitro Drug Release Testing of Special Dosage Forms

in vitroにおける特殊な剤形の薬物放出試験

Editor NIKOLETTA FOTAKI & Editor SANDRA KLEIN

In the last decade, the application of drug release testing has widened to a variety of novel/special dosage forms. In order to predict the in vivo behavior of such dosage forms, the design and development of the in vitro test methods need to take into account various aspects, including the dosage form design and the conditions at the site of application and the site of drug release. This unique book is the first to cover the field of in vitro release testing of special dosage forms in one volume. Featuring contributions from an international team of experts, it presents the state of the art of the use of in vitro drug release methodologies for assessing special dosage forms' performances and describes the different techniques required for each one.

In Vitro Drug Release Testing of Special Dosage Forms covers the in vitro release testing of: lipid based oral formulations; chewable oral drug products; injectables; drug eluting stents; inhalation products; transdermal formulations; topical formulations; vaginal and rectal delivery systems and ophthalmics. The book concludes with a look at regulatory aspects.

- Covers both oral and non-oral dosage forms
- Describes current regulatory conditions for in vitro drug release testing
- Features contributions from well respected global experts in dissolution testing

In Vitro Drug Release Testing of Special Dosage Forms will find a place on the bookshelves of anyone working with special dosage forms, dissolution testing, drug formulation and delivery, pharmaceuticals, and regulatory affairs.

SERIES: ADVANCES IN PHARMACEUTICAL TECHNOLOGY

NOVEMBER 2019 288PP

978-1-118-34147-6 CL \$185.00 (Japan)

Drug Formulation & Delivery

OCTOBER 2019

978-1-118-67574-8 **Wiley Online Library**

Inorganic Battery Materials

無機電池材料

Editor HAILIANG WANG & Editor BONIFACE P T FOKWA

In one comprehensive volume, *Inorganic Battery Materials* explores the basic chemistry principles, recent advances, and the challenges and opportunities of the current and emerging technologies of battery materials. With contributions from an international panel of experts, this authoritative resource contains information on the fundamental features of battery materials, discussions on material synthesis, structural characterizations and electrochemical reactions.

The book explores a wide range of topics including the state-of-the-art lithium ion battery chemistry to more energy-aggressive chemistries involving lithium metal. The authors also include a review of sulfur and oxygen, aqueous battery chemistry, redox flow battery chemistry, solid state battery chemistry and environmentally beneficial carbon dioxide battery chemistry. In the context of renewable energy utilization and transportation electrification, battery technologies have been under more extensive and intensive development than ever. This important book:

- Provides an understanding of the chemistry of a battery technology
- Explores battery technology's potential as well as the obstacles that hamper the potential from being realized
- Highlights new applications and points out the potential growth areas that can serve as inspirations for future research
- Includes an understanding of the chemistry of battery materials and how they store and convert energy

Written for students and academics in the fields of energy materials, electrochemistry, solid state chemistry, inorganic materials chemistry and materials science, *Inorganic Battery Materials* focuses on the inorganic chemistry of battery materials associated with both current and future battery technologies to provide a unique reference in the field.

SERIES: EIC BOOKS

SEPTEMBER 2019 416PP

978-1-119-43199-2 CL \$200.00 (Japan) SD

Inorganic Chemistry



The Chemistry of Nitrogen-rich Functional Groups

多数の窒素を含む官能基の化学

ALEXANDER GREER & JOEL F. LIEBMAN

Brooklyn College, USA; University of Maryland, USA

Nitrogen is unique among the non-carbon atoms in its ability to form single, double, and triple bonds with itself, giving rise to a wide range of organic-chemical groups containing several nitrogen atoms in different states and geometries. The present volume surveys the properties and chemical behaviour of all important nitrogen-rich organic-chemical groups, including azides, azimines, aziridines, diazo compounds, nitramines, nitrenes, nitrosamines, polyazine N-oxides, tetrazoles, triazanes, triazenes, and triazoles. A special focus lies on commercially important species which are used, e. g., as powerful explosives.

PATAI's Chemistry of Functional Groups publishes comprehensive reviews on all aspects of specific functional groups. Each volume contains outstanding surveys on theoretical and computational aspects, NMR, MS, other spectroscopic methods and analytical chemistry, structural aspects, thermochemistry, photochemistry, synthetic approaches and strategies, synthetic uses and applications in chemical and pharmaceutical industries, biological, biochemical and environmental aspects. To date, almost 150 volumes have been published in the series.

SERIES: PATAI'S CHEMISTRY OF FUNCTIONAL GROUPS
NOVEMBER 2019 456PP

978-1-119-31178-2 CL \$1000.00 (Japan) SD

Organic Chemistry

Deep Eutectic Solvents Synthesis, Properties, and Applications

深共晶溶媒 — 合成, 特徴, 応用

DIEGO J. RAMÓN & GABRIELA GUILLENA

Aimed at researchers in academia and industry, this unique book describes the synthesis and important applications of deep eutectic solvents (DESS) as environmentally benign alternatives in (bio)chemical transformations and processes.

NOVEMBER 2019 384PP

978-3-527-34518-2 CL \$215.00 (Japan)

Organic Chemistry

NOVEMBER 2019

978-3-527-81848-8 Wiley Online Library



Bioelectrochemical Interface Engineering

生物電気化学の界面工学

R. NAVANIETHA KRISHNARAJ & RAJESH K. SANI

Bioelectrochemical Interface Engineering offers a guide to this burgeoning interdisciplinary field. The authors--noted experts on the topic--present a detailed explanation of the field's basic concepts, provide a fundamental understanding of the principle of electrocatalysis, electrochemical activity of the electroactive microorganisms, and mechanisms of electron transfer at electrode-electrolyte interfaces. They also explore the design and development of bioelectrochemical systems.

The authors review recent advances in the field including: the development of new bioelectrochemical configurations, new electrode materials, electrode functionalization strategies, and extremophilic electroactive microorganisms. These current developments hold the promise of powering the systems in remote locations such as deep sea and extra-terrestrial space as well as powering implantable energy devices and controlled drug delivery. This important book:

- Explores the fundamental concepts and rules in bioelectrochemistry and details the latest advancements
- Presents principles of electrocatalysis, electroactive microorganisms, types and mechanisms of electron transfer at electrode-electrolyte interfaces, electron transfer kinetics in bioelectrocatalysis, and more
- Covers microbial electrochemical systems and discusses bioelectrosynthesis and biosensors, and bioelectrochemical wastewater treatment
- Reviews microbial biosensor, microfluidic and lab-on-chip devices, flexible electronics, and paper and stretchable electrodes

Written for researchers, technicians, and students in chemistry, biology, energy and environmental science, Bioelectrochemical Interface Engineering provides a strong foundation to this advanced field by presenting the core concepts, basic principles, and newest advances.

NOVEMBER 2019 544PP

978-1-119-53854-7 CL \$250.00 (Japan)

Electrochemistry

SEPTEMBER 2019

978-1-119-61110-3 Wiley Online Library



Blogging For Dummies

7th Edition

AMY LUPOLD BAIR

Ready to make your mark on the online world? Start a blog! *Blogging For Dummies* provides you with information on blogging basics, the anatomy of a good blog, and the tools required to get started. Plus, you'll get advice on a blog topic, choosing a domain name and host, writing your first post, planning an editorial calendar, and using your blog as an important part of your personal brand.



- Decide which of the major blogging platforms will work for you
- Use SEO to drive traffic to your blog
- Monetization through advertising and sponsorships
- Create content that draws readers in

Covering shifts in popular blogging platforms and tools, changes in social media, and the latest best practices in the blogosphere, this new edition sets you up for blogging success!

NOVEMBER 2019 416PP

978-1-119-58805-4 PB \$24.99 (Japan)

Internet General

コンピュータサイエンス

Visual Studio Code**End-to-End Editing and Debugging Tools for Web Developers**

BRUCE JOHNSON

Visual Studio Code, a free, open source, cross-compatible source code editor, is one of the most popular choices for web developers. It is fast, lightweight, customizable, and contains built-in support for JavaScript, Typescript, and Node.js extensions for other languages, including C++, Python, and PHP. Features such as debugging capability, embedded Git control, syntax highlighting, code snippets, and IntelliSense intelligent code completion support—several of which set it apart from the competition—help make Visual Studio Code an impressive, out-of-the-box solution. Visual Studio Code: End-to-End Editing and Debugging Tools for Web Developers helps readers to become familiar with and productive in Visual Studio Code. This up-to-date guide covers all of the essential components of the software, including the editing features of the workspace, advanced functionality such as code refactoring and key binding, and integration with Grunt, Gulp, NPM, and other external tools. New users, experienced developers, and those considering moving from another developer tool will benefit from this book's detailed, yet easy-to-follow information on Visual Studio Code. This book:

- Teaches readers how to use Visual Studio Code to do full-stack development
- Explains the steps to install Visual Studio Code on Windows, Mac and Linux platforms
- Provides a foundation for non-users considering moving to Visual Studio Code
- Helps current users expand their knowledge of the tool and its available extensions
- Describes how to open a .NET Core project and get end-to-end execution and debugging functionality

Visual Studio Code: End-to-End Editing and Debugging Tools for Web Developers is an invaluable guide for both professional and hobbyist web developers seeking immediately-useful information on Visual Studio Code.

NOVEMBER 2019 312PP

978-1-119-58818-4 PB \$45.00 (Japan)*Object Technologies - Java*

SEPTEMBER 2019

978-1-119-58823-8 Wiley Online Library**Data Mining****Concepts, Models, Methods, and Algorithms
3rd Edition**

MEHMED KANTARDZIC

Data Mining Laboratory, University of Kentucky

The revised and updated third edition of Data Mining contains in one volume an introduction to a systematic approach to the analysis of large data sets that integrates results from disciplines such as statistics, artificial intelligence, data bases, pattern recognition, and computer visualization. Advances in deep learning technology have opened an entire new spectrum of applications. The author—a noted expert on the topic—explains the basic concepts, models, and methodologies that have been developed in recent years.

This new edition introduces and expands on many topics, as well as providing revised sections on software tools and data mining applications. Additional changes include an updated list of references for further study, and an extended list of problems and questions that relate to each chapter. This third edition presents new and expanded information that:

- Explores big data and cloud computing
- Examines deep learning
- Includes information on convolutional neural networks (CNN)
- Offers reinforcement learning
- Contains semi-supervised learning and S3VM
- Reviews model evaluation for unbalanced data

Written for graduate students in computer science, computer engineers, and computer information systems professionals, the updated third edition of Data Mining continues to provide an essential guide to the basic principles of the technology and the most recent developments in the field.

NOVEMBER 2019 688PP

978-1-119-51604-0 CL \$135.00 (Japan)*Data Mining & Knowledge Discovery*

SEPTEMBER 2019

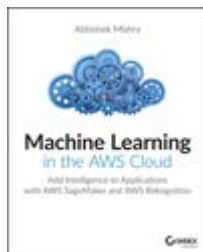
978-1-119-51605-7 Wiley Online Library

Machine Learning in the AWS Cloud

Add Intelligence to Applications with Amazon SageMaker® and Amazon Rekognition®

ABHISHEK MISHRA

Machine Learning in the AWS Cloud introduces readers to the machine learning (ML) capabilities of the Amazon Web Services ecosystem and provides practical examples to solve real-world regression and classification problems. While readers do not need prior ML experience, they are expected to have some knowledge of Python and a basic knowledge of Amazon Web Services.



Part One introduces readers to fundamental machine learning concepts. You will learn about the types of ML systems, how they are used, and challenges you may face with ML solutions. Part Two focuses on machine learning services provided by Amazon Web Services. You'll be introduced to the basics of cloud computing and AWS offerings in the cloud-based machine learning space. Then you'll learn to use Amazon Machine Learning to solve a simpler class of machine learning problems, and Amazon SageMaker to solve more complex problems.

- Learn techniques that allow you to preprocess data, basic feature engineering, visualizing data, and model building
- Discover common neural network frameworks with Amazon SageMaker
- Solve computer vision problems with Amazon Rekognition
- Benefit from illustrations, source code examples, and sidebars in each chapter

The book appeals to both Python developers and technical/solution architects. Developers will find concrete examples that show them how to perform common ML tasks with Python on AWS. Technical/solution architects will find useful information on the machine learning capabilities of the AWS ecosystem.

NOVEMBER 2019 336PP

978-1-119-55671-8 PB \$50.00 (Japan)

Artificial Intelligence

SEPTEMBER 2019

978-1-119-55674-9 [Wiley Online Library](#)

Architecting Enterprise Blockchain Solutions

JOSEPH HOLBROOK

Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure.



Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems.

- Provides a practical, hands-on approach
 - Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda
 - Explores how blockchain can be used to solve complex IT support and infrastructure problems
 - Offers numerous hands-on examples and diagrams
- Get ready to learn how to harness the power and flexibility of enterprise blockchains!

NOVEMBER 2019 432PP

978-1-119-55769-2 PB \$50.00 (Japan)

Computer Architecture

OCTOBER 2019

978-1-119-55772-2 [Wiley Online Library](#)

The Digital Big Bang

The Hard Stuff, the Soft Stuff, and the Future of Cybersecurity

PHIL QUADE

Humankind's efforts to explain the origin of the cosmos birthed disciplines such as physics and chemistry. Scientists conceived of the cosmic 'Big Bang' as an explosion of particles--everything in the universe centered around core elements and governed by laws of matter and gravity. In the modern era of digital technology, we are experiencing a similar explosion of ones and zeros, an exponentially expanding universe of bits of data centered around the core elements of speed and connectivity. One of the disciplines to emerge from our efforts to make sense of this new universe is the science of cybersecurity. Cybersecurity is as central to the Digital Age as physics and chemistry were to the Scientific Age. The Digital Big Bang explores current and emerging knowledge in the field of cybersecurity, helping readers think like scientists to master cybersecurity principles and overcome cybersecurity challenges. This innovative text adopts a scientific approach to cybersecurity, identifying the science's fundamental elements and examining how these elements intersect and interact with each other. Author Phil Quade distills his over three decades of cyber intelligence, defense, and attack experience into an accessible, yet detailed, single-volume resource. Designed for non-specialist business leaders and cybersecurity practitioners alike, this authoritative book is packed with real-world examples, techniques, and strategies no organization should be without. Contributions from many of the world's leading cybersecurity experts and policymakers enable readers to firmly grasp vital cybersecurity concepts, methods, and practices. This important book:

- Guides readers on both fundamental tactics and advanced strategies
- Features observations, hypotheses, and conclusions on a wide range of cybersecurity issues
- Helps readers work with the central elements of cybersecurity, rather than fight or ignore them
- Includes content by cybersecurity leaders from organizations such as Microsoft, Target, ADP, Capital One, Verisign, AT&T, Samsung, and many others
- Offers insights from national-level security experts including former Secretary of Homeland Security Michael Chertoff and former Director of National Intelligence Mike McConnell

The Digital Big Bang is an invaluable source of information for anyone faced with the challenges of 21st century cybersecurity in all industries and sectors, including business leaders, policy makers, analysts and researchers as well as IT professionals, educators, and students.

NOVEMBER 2019 336PP

978-1-119-61736-5 CL \$29.99 (Japan)

Computer Security & Cryptography

SEPTEMBER 2019

978-1-119-61739-6 Wiley Online Library



We Have Root

Even More Advice from Schneier on Security

BRUCE SCHNEIER, Minneapolis, United States

Counterpane Internet Security, Minneapolis, Minnesota

In his latest collection of essays, security expert Bruce Schneier tackles a range of cybersecurity, privacy, and real-world security issues ripped from the headlines. Essays cover the ever-expanding role of technology in national security, war, transportation, the Internet of Things, elections, and more. Throughout, he challenges the status quo with a call for leaders, voters, and consumers to make better security and privacy decisions and investments.

Bruce's writing has previously appeared in some of the world's best-known and most-respected publications, including The Atlantic, the Wall Street Journal, CNN, the New York Times, the Washington Post, Wired, and many others. And now you can enjoy his essays in one place--at your own speed and convenience.

- Timely security and privacy topics
- The impact of security and privacy on our world
- Perfect for fans of Bruce's blog and newsletter
- Lower price than his previous essay collections

The essays are written for anyone who cares about the future and implications of security and privacy for society.

NOVEMBER 2019 300PP

978-1-119-64301-2 PB \$19.99 (Japan)

Computer Security & Cryptography

AUGUST 2019

978-1-119-65355-4 Wiley Online Library



文化研究

An Introduction to Communication and Artificial Intelligence

DAVID J. GUNKEL
Northern Illinois University

Communication and artificial intelligence (AI) are closely related. It is communication – particularly interpersonal conversational interaction – that provides AI with its defining test case and experimental evidence. Likewise, recent developments in AI introduce new challenges and opportunities for communication studies. Technologies such as machine translation of human languages, spoken dialogue systems like Siri, algorithms capable of producing publishable journalistic content, and social robots are all designed to communicate with users in a human-like way.



This timely and original textbook provides educators and students with a much-needed resource, connecting the dots between the science of AI and the discipline of communication studies. Clearly outlining the topic's scope, content and future, the text introduces key issues and debates, highlighting the importance and relevance of AI to communication studies. In lively and accessible prose, David Gunkel provides a new generation with the information, knowledge, and skills necessary to working and living in a world where social interaction is no longer restricted to humans.

READERSHIP: Students and scholars of communication studies and artificial intelligence.

NOVEMBER 2019 320PP
978-1-5095-3316-9 CL \$69.95 (Japan)
Digital Culture & the Information Age

NOVEMBER 2019 320PP
978-1-5095-3317-6 PB \$26.95 (Japan)
Digital Culture & the Information Age

How Green is Your Smartphone?

RICHARD MAXWELL & TOBY MILLER
University of California at Riverside

Every day we are inundated by propaganda that claims life will be better once we are connected to digital technology. Poverty, famine, and injustice will end, and the economy will be 'green'. All anyone needs is the latest smartphone.



In this succinct and lively book, Maxwell and Miller take a critical look at contemporary gadgets and the systems that connect them, shedding light on environmental risks. Contrary to widespread claims, consumer electronics and other digital technologies are made in ways that cause some of the worst environmental disasters of our time – conflict-minerals extraction, fatal and life-threatening occupational hazards, toxic pollution of ecosystems, rising energy consumption linked to increased carbon emissions, and e-waste. Nonetheless, a greener future is possible, in which technology meets its emancipatory and progressive potential.

READERSHIP: A broad, non-specialist audience, as well as academics working in environmental studies, sociology, media studies, anthropology, cultural studies, and area studies.

SERIES: DIGITAL FUTURES
NOVEMBER 2019 160PP
978-1-5095-3471-5 CL \$45.00 (Japan)
Digital Culture & the Information Age

NOVEMBER 2019 160PP
978-1-5095-3472-2 PB \$12.95 (Japan)
Digital Culture & the Information Age

The Digital Divide

JAN VAN DIJK

Contrary to optimistic visions of a free internet for all, the problem of the 'digital divide' – the disparity between those with access to internet technology and those without – has persisted for close to twenty-five years.

In this textbook, Jan van Dijk considers the state of digital inequality and what we can do to tackle it. Through an accessible framework based on empirical research, he explores the motivations and challenges of seeking access and the development of requisite digital skills. He addresses key questions such as: Does digital inequality reduce or reinforce existing, traditional inequalities? Does it create new, previously unknown social inequalities? While digital inequality affects all aspects of society and the problem is here to stay, Van Dijk outlines policies we can put in place to mitigate it.



READERSHIP: Undergraduate and graduate students in communication and media studies, sociology, library and information sciences and education science, as well as professional readers (policy makers in government, libraries, and research institutes). Designed to be used as the core text for courses on the digital divide, and as supplementary reading for courses related to the internet/networked technologies and society more generally.

NOVEMBER 2019 208PP

978-1-5095-3444-9 CL \$69.95 (Japan)

Digital Culture & the Information Age

NOVEMBER 2019 208PP

978-1-5095-3445-6 PB \$26.95 (Japan)

Digital Culture & the Information Age

The Uncounted

ALEX COBHAM

Alex Cobham argues that systematic gaps in economic and demographic data not only lead us to understate a wide range of damaging inequalities, but also to actively exacerbate them. He shows how, in statistics ranging from electoral registers to household surveys and census data, people from disadvantaged groups, such as indigenous populations, women, and disabled people, are consistently underrepresented. This further marginalizes them, reducing everything from their political power to their weight in public spending decisions. Meanwhile, corporations and the ultra-rich seek ever greater complexity and opacity in their financial affairs - and when their wealth goes untallied, it means they can avoid regulation and taxation.

This brilliantly researched book shows how what we do and don't count is not a neutral or 'technical' question: the numbers that rule our world are skewed by raw politics. Cobham forensically lays bare how these issues strike at the heart of our democracy, entrenching inequality and injustice – and outlines what we can do about it.

READERSHIP: General readers interested in tax avoidance, political economy, finance etc.

NOVEMBER 2019 200PP

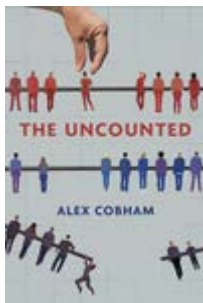
978-1-5095-3601-6 CL \$59.95 (Japan)

Political Economics

NOVEMBER 2019 200PP

978-1-5095-3602-3 PB \$19.95 (Japan)

Political Economics



The Case for Community Wealth Building

JOE GUINAN & MARTIN O'NEILL

How can we build local communities that are prosperous, inclusive and sustainable? Is there a way of promoting economic development that works for everyone?

Joe Guinan and Martin O'Neill argue that traditional economic strategies, driven by tax incentives and public-private partnerships, typically waste billions in order to subsidize the extraction of profit by footloose corporations with little benefit to the community. They outline an exciting alternative economic model which uses the power of democratic participation to drive equitable development and ensure that wealth is retained locally: Community Wealth Building. They show how this model can transform our economic system from the bottom up by creating a web of collaborative institutions, such as worker co-operatives, community land trusts, and public and community banks, all underpinned by local 'anchor' strategies.

READERSHIP: General readers interested in left-wing political economy, community economies, the co-operative movement, and challenging neoliberalism.

SERIES: THE CASE FOR

NOVEMBER 2019 140PP

978-1-5095-3902-4 CL \$45.00 (Japan)

Political Economics

NOVEMBER 2019 140PP

978-1-5095-3903-1 PB \$12.95 (Japan)

Political Economics



John Maynard Keynes

M. G. HAYES

John Maynard Keynes is the 20th century's greatest economist. He sparked an intellectual revolution that transformed economic theory and policymaking. This book, written in plain English with minimal mathematics, is a concise and probing account of his major ideas.

Keynes, argues Mark Hayes, showed that economics is a science of thinking in terms of models, in which progress depends on recognising when established models have become obsolete and new ones are required. Hayes outlines how Keynes did this, tracing his progression from the 'Classical' model that he inherited through to his masterpiece, *The General Theory of Employment, Interest and Money*, and beyond. The intellectual narrative is placed in its historical context, from the Versailles Peace Conference in 1919 to Bretton Woods. The final chapters consider the impact of Keynes's legacy, including his relevance to reform of the Euro.

This accomplished study is not only a comprehensive introduction for students and general readers, but also a crystal-clear demonstration of how Keynes' thought is vital to understanding why contemporary economics needs to discard its old models and embrace profound change.

READERSHIP: Students and scholars of political economy, Keynesian economics, and the history of economic thought.

SERIES: KEY CONTEMPORARY THINKERS
NOVEMBER 2019 224PP

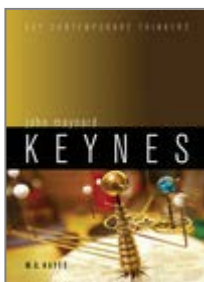
978-1-5095-2824-0 CL \$69.95 (Japan)

Political Economics

NOVEMBER 2019 224PP

978-1-5095-2825-7 PB \$24.95 (Japan)

Political Economics



Money

GEOFFREY INGHAM
University of Cambridge

Few economic phenomena provoke as much confusion as money. From the first measures of value and the physical coins that circulated at the dawn human civilization to the era of 'virtual' money transmitted through cyberspace, it is ubiquitous and hugely important, yet economists cannot even agree on what it is.

In this pithy, accessible book, Geoffrey Ingham cuts through this tangled web of debate to bring rare clarity. Ingham begins by examining the fundamental debate over the nature of money: is it fundamentally a natural, 'neutral' measure of pre-existing value produced by 'real' economic forces? Or is it a socially produced and politically manipulated force that creates new value? He proceeds to trace the import of these competing views for how we understand our contemporary monetary systems and their practical and policy-related implications, from their role in financial crises to proposals for reform.

Students of political economy, economic sociology and monetary economics will find this book an invaluable primer, as will general readers wishing to understand how money shapes their lives, from the cash in their pocket to the numbers on their computer screen.

READERSHIP: Students and scholars in political economy, economics, and economic sociology.

SERIES: WHAT IS POLITICAL ECONOMY?
NOVEMBER 2019 189PP

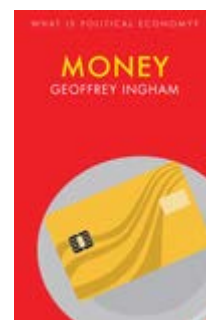
978-1-5095-2681-9 CL \$59.95 (Japan)

Political Economics

NOVEMBER 2019 180PP

978-1-5095-2682-6 PB \$19.95 (Japan)

Political Economics



The New Environmental Economics Sustainability and Justice

ELOI LAURENT

Too often economics disassociates humans from nature, and the economy from the biosphere that contains it. When economists do engage with environmental issues, they typically reduce their analysis to a science of efficiency that leaves aside distributional analysis and justice issues.



The aim of this lucid textbook is to provide a framework that prioritises understanding and improving human well-being within the limits of the biosphere, and rethinking economic analysis and policy in the light not just of efficiency but equity. Leading economist Eloi Laurent systematically ties together sustainability and justice issues in order to cover a wide range of topics, from biodiversity and ecosystems, energy and climate change, environmental health and environmental justice to new indicators of well-being and sustainability beyond GDP and growth, social-ecological transition and sustainable urban systems.

This book both equips readers with ideas and tools from various disciplines alongside economics such as history, political science and philosophy, and invites them to apply those insights in order to understand and eventually tackle pressing 21st century challenges. It will be an invaluable resource for students of environmental economics.

READERSHIP: Students and scholars of environmental economics, the political economy of the environment, ecological economics and environmental studies.

NOVEMBER 2019 230PP

978-1-5095-3380-0 CL \$69.95 (Japan)

Political Economics

NOVEMBER 2019 230PP

978-1-5095-3381-7 PB \$24.95 (Japan)

Political Economics

The Debt Delusion Living Within Our Means and Other Fallacies

JOHN F. WEEKS

'Governments should spend no more than their tax income.' Most people in Europe and North America accept this statement as simple common sense. It resonates with the deeply engrained economic metaphors that dominate public discourse, from 'living within your means' to 'balancing the budget' – all necessary, or so conventional wisdom holds, to avoid the dangers of debt, taxation and financial ruin.



This book shows how these homely metaphors constitute the 'debt delusion': a set of plausible-sounding yet false ideas that have been used to justify damaging austerity policies. John Weeks debunks these myths, explaining the true story behind public spending, taxation, and debt, and their real function in the management of our economies. He demonstrates that disputes about public finances are not primarily technical matters best left to specialists and experts, as many politicians would have us believe, but rather fundamentally questions about our true political priorities.

Requiring no prior economic knowledge, this is an ideal primer for anyone wishing to cut through the rhetoric and misinformation that dominate political debates on economics and become an informed citizen.

READERSHIP: General readers interested in public finances, political economy, austerity, taxation, public spending

NOVEMBER 2019 216PP

978-1-5095-3293-3 CL \$59.95 (Japan)

Political Economics

NOVEMBER 2019 216PP

978-1-5095-3294-0 PB \$19.95 (Japan)

Political Economics

The Gig Economy

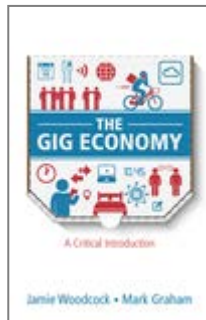
A Critical Introduction

JAMIE WOODCOCK & MARK GRAHAM

All of a sudden, everybody's talking about the gig economy. From taxi drivers to pizza deliverers to the unemployed, we are all aware of the huge changes that it's driving in our lives as workers, consumers and citizens.

This is the first comprehensive overview of this highly topical subject. Drawing upon years of research, stories from gig workers, and a review of the key trends and debates, Jamie Woodcock and Mark Graham shed light on how the gig economy came to be, how it works and what it's like to work in it. They show that, although it has facilitated innovative new services and created jobs for millions, it is not without cost. It allows businesses and governments to generate value while passing on significant risk and responsibility onto the workers that make it possible. This is not, however, an argument for turning the clock back. Instead, the authors outline four strategies that can produce a fairer gig economy that works for everyone.

Woodcock & Graham's critical introduction will be essential reading for students, scholars and general readers interested in the massive shifts that characterise our modern digital economy.



NOVEMBER 2019 160PP

978-1-5095-3635-1 CL \$59.95 (Japan)

Political Economics

NOVEMBER 2019 160PP

978-1-5095-3636-8 PB \$19.95 (Japan)

Political Economics

教育

The Leaders of Their Own Learning Companion

New Tools and Tips for Tackling the Common Challenges of Student-Engaged Assessment

RON BERGER, Garden City, ANNE VILEN & LIBBY WOODFIN
Adelphi University, NY

Five years after the publication of *Leaders of Their Own Learning*, EL Education is back with a new companion guide to help you tackle the common challenges of student-engaged assessment. This unique, student-centered approach to assessment equips and compels students to understand goals for their learning and growth, track their progress toward those goals, and take responsibility for reaching them.

EL Education has more than 25 years of experience supporting school transformation through student-engaged assessment. With their new book, *The Leaders of Their Own Learning Companion*, they have harvested the best tools and wisdom from schools across the country to help you hone student-led assessment practices in your classroom and school.

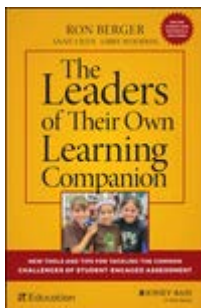
- Identifies the common challenges of implementing each of the eight interrelated student-engaged assessment practices from *Leaders of Their Own Learning*, and provides strategies and tools for tackling them
- Offers practical tips for school leaders
- Deepens your learning with 46 videos and an online toolbox

The *Leaders of Their Own Learning Companion* is designed for teachers and leaders of all grade levels and no prior knowledge of the original *Leaders of Their Own Learning* is necessary to make the most of this book.

NOVEMBER 2019 416PP

978-1-119-59672-1 PB \$32.95 (Japan)

Leadership & Administration (K-12)



Choosing College

How to Make Better Learning Decisions Throughout Your Life

MICHAEL B. HORN & BOB MOESTA

This book is about addressing the college-choosing problem. The rankings, metrics, analytics, college visits, and advice that we use today to help us make these decisions are out of step with the progress individual students are trying to make. They don't give students and families the information and context they need to make such a high-stakes decision about whether and where to get an education.

Choosing College strips away the noise to help you understand why you're going to school. What's driving you? What are you trying to accomplish? Once you know why, the book will help you make better choices. The research in this book illustrates that choosing a school is complicated. By constructing more than 200 mini-documentaries of how students chose different postsecondary educational experiences, the authors explore the motivations for how and why people make the decisions that they do at a much deeper, causal level. By the end, you'll know why you're going and what you're really chasing.

The book:

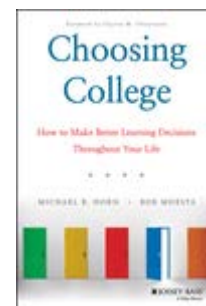
- Identifies the five different Jobs for which students hire postsecondary education
- Allows you to see your true options for what's next
- Offers guidance for how to successfully choose your pathway
- Illuminates how colleges and entrepreneurs can build better experiences for each Job

The authors help readers understand not what job students want out of college, but what "Job" students are hiring college to do for them.

NOVEMBER 2019 192PP

978-1-119-57011-0 CL \$25.00 (Japan)

Education Special Topics

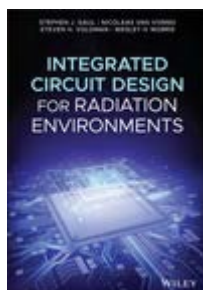


電気電子工学

Integrated Circuit Design for Radiation Environments

STEPHEN J. GAUL, NICOLAAS VAN VONNO, STEVEN H. VOLDMAN, *United States* & WESLEY MORRIS
IBM, USA

This book teaches the fundamentals of radiation environments and their effects on electronic components, as well as how to design, lay out, and test cost-effective hardened semiconductor chips not only for today's space systems but for commercial terrestrial applications as well. It provides a historical perspective, the fundamental science of radiation, and the basics of semiconductors, as well as radiation-induced failure mechanisms in semiconductor chips.



Integrated Circuits Design for Radiation Environments starts by introducing readers to semiconductors and radiation environments (including space, atmospheric, and terrestrial environments) followed by circuit design and layout. The book introduces radiation effects phenomena including single-event effects, total ionizing dose damage and displacement damage) and shows how technological solutions can address both phenomena.

- Describes the fundamentals of radiation environments and their effects on electronic components
- Teaches readers how to design, lay out and test cost-effective hardened semiconductor chips for space systems and commercial terrestrial applications
- Covers natural and man-made radiation environments, space systems and commercial terrestrial applications
- Provides up-to-date coverage of state-of-the-art of radiation hardening technology in one concise volume
- Includes questions and answers for the reader to test their knowledge

Integrated Circuits Design for Radiation Environments will appeal to researchers and product developers in the semiconductor, space, and defense industries, as well as electronic engineers in the medical field. The book is also helpful for system, layout, process, device, reliability, applications, ESD, latchup and circuit design semiconductor engineers, along with anyone involved in micro-electronics used in harsh environments.

NOVEMBER 2019 416PP

978-1-119-96634-0 CL \$145.00 (Japan)

Circuit Theory & Design

NOVEMBER 2019

978-1-118-70186-7 [Wiley Online Library](#)

Fundamentals of Microelectronic Circuit Design and Analysis

GEROLD W. NEUDECK & ALEXANDER J. NEUDECK

NOVEMBER 2019 480PP

978-0-471-27269-4 CL \$165.00 (Japan)

Circuit Theory & Design

TEXT

Introduction to Robotics

Analysis, Control, Applications
3rd Edition

SAEED B. NIKU

Department of Mechanical Engineering, Cal Poly San Luis Obispo

NOVEMBER 2019 475PP

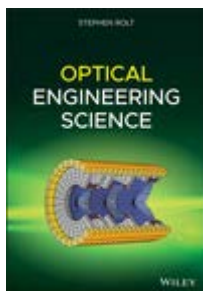
978-1-119-52762-6 CL \$160.00 (Japan)

Robotics

Optical Engineering Science

STEPHEN ROLT

Optical Engineering Science offers a comprehensive and authoritative review of the science of optical engineering. The book bridges the gap between the basic theoretical principles of classical optics and the practical application of optics in the commercial world. Written by a noted expert in the field, the book examines a range of practical topics that are related to optical design, optical metrology and manufacturing. The book fills a void in the literature by covering all three topics in a single volume.



Optical engineering science is at the foundation of the design of commercial optical systems, such as mobile phone cameras and digital cameras as well as highly sophisticated instruments for commercial and research applications. It spans the design, manufacture and testing of space or aerospace instrumentation to the optical sensor technology for environmental monitoring. Optics engineering science has a wide variety of applications, both commercial and research. This important book:

- Offers a comprehensive review of the topic of optical engineering
- Covers topics such as optical fibers, waveguides, aspheric surfaces, Zernike polynomials, polarisation, birefringence and more
- Targets engineering professionals and students
- Filled with illustrative examples and mathematical equations

Written for professional practitioners, optical engineers, optical designers, optical systems engineers and students, Optical Engineering Science offers an authoritative guide that covers the broad range of optical design and optical metrology topics and their applications.

NOVEMBER 2019 672PP

978-1-119-30280-3 CL \$140.00 (Japan)

Optical Communications

NOVEMBER 2019

978-1-119-30277-3 Wiley Online Library

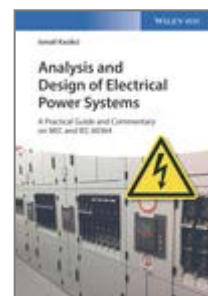
Analysis and Design of Electrical Power Systems

A Practical Guide and Commentary on NEC and IEC 60364
2 Volumes

ISMAIL KASIKCI

University of Applied Sciences, Heilbronn, Germany

This book helps planning engineers in the design and application of low voltage networks. Structured according to the type of electrical system, e.g. asynchronous motors, three-phase networks, or lighting systems, it covers the respective electrical and electrotechnical fundamentals, provides information on the implementation of the relevant NEC and IEC standards, and gives an overview of applications in industry.



Analysis and Design of Electrical Power Systems: A Practical Guide and Commentary on NEC and IEC 60364 starts by introducing readers to the subject before moving on to chapters on planning and project management. It then presents readers with complete coverage of medium- and low-voltage systems, transformers, asynchronous motors (ASM), switchgear combinations, emergency generators, and lighting systems. It also looks at equipment for overcurrent protection and protection against electric shock, as well as selectivity and backup protection. A chapter on the current carrying capacity of conductors and cables comes next, followed by ones on calculation of short circuit currents in three-phase networks and voltage drop calculations. Finally, the book takes a look at compensating for reactive power and finishes with a section on lightning protection systems.

- Covers a subject of great international importance
- Features numerous tables, diagrams, and worked examples that help practicing engineers in the planning of electrical systems
- Written by an expert in the field and member of various national and international standardization committees
- Supplemented with programs on an accompanying website that help readers reproduce and adapt calculations on their own

Analysis and Design of Electrical Power Systems: A Practical Guide and Commentary on NEC and IEC 60364 is an excellent resource for all practicing engineers such as electrical engineers, engineers in power technology, etc. who are involved in electrical systems planning.

NOVEMBER 2019 1000PP

978-3-527-34137-5 CL \$470.00 (Japan)

Power Electronics

FEBRUARY 2020

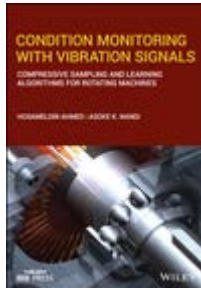
978-3-527-80342-2 Wiley Online Library

Condition Monitoring with Vibration Signals

Compressive Sampling and Learning Algorithms for Rotating Machines

ASOKE K. NANDI & HOSAMELDIN AHMED
Brunel University London, UK

Clear and concise throughout, this accessible book is the first to be wholly devoted to the field of condition monitoring for rotating machines using vibration signals. It covers various feature extraction, feature selection, and classification methods as well as their applications to machine vibration datasets. It also presents new methods including machine learning and compressive sampling, which help to improve safety, reliability, and performance.



Condition Monitoring with Vibration Signals: Compressive Sampling and Learning Algorithms for Rotating Machines starts by introducing readers to Vibration Analysis Techniques and Machine Condition Monitoring (MCM). It then offers readers sections covering: Rotating Machine Condition Monitoring using Learning Algorithms; Classification Algorithms; and New Fault Diagnosis Frameworks designed for MCM. Readers will learn signal processing in the time-frequency domain, methods for linear subspace learning, and the basic principles of the learning method Artificial Neural Network (ANN). They will also discover recent trends of deep learning in the field of machine condition monitoring, new feature learning frameworks based on compressive sampling, subspace learning techniques for machine condition monitoring, and much more.

- Covers the fundamental as well as the state-of-the-art approaches to machine condition monitoring guiding readers from the basics of rotating machines to the generation of knowledge using vibration signals
- Provides new methods, including machine learning and compressive sampling, which offer significant improvements in accuracy with reduced computational costs
- Features learning algorithms that can be used for fault diagnosis and prognosis
- Includes previously and recently developed dimensionality reduction techniques and classification algorithms

Condition Monitoring with Vibration Signals: Compressive Sampling and Learning Algorithms for Rotating Machines is an excellent book for research students, postgraduate students, industrial practitioners, and researchers.

SERIES: WILEY - IEEE
NOVEMBER 2019 432PP

978-1-119-54462-3 CL \$135.00 (Japan)

Signal Processing

OCTOBER 2019

978-1-119-54467-8 [Wiley Online Library](#)

エネルギー

Renewable Energy in Power Systems

2nd Edition

DAVID INFELD & LEON FRERIS

University of Strathclyde, UK; Loughborough University

With the growth in installed capacity of renewable energy (RE) generation, many countries such as the UK are relying on higher levels of RE generation to meet targets for reduced greenhouse gas emissions. In the face of this, the integration issue is now of increasing concern, in particular to system operators.

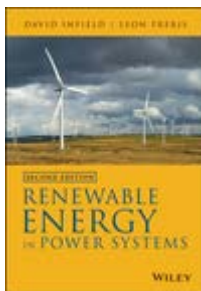
This updated text describes the individual renewable technologies and their power generation characteristics alongside an expanded introduction to power systems and the challenges posed by high levels of penetrations from such technologies, together with an account of technologies and changes to system operation that can ease RE integration.

Features of this edition:

- Covers power conditioning, the characteristics of RE generators, with emphasis on their time varying nature, and the use of power electronics in interfacing RE sources to grids
- Outlines up to date RE integration issues such as power flow in networks supplied from a combination of conventional and renewable energy sources
- Updated coverage of the economics of power generation and the role of markets in delivering investment in sustainable solutions
- Considers the challenge of maintaining power balance in a system with increasing RE input, including recent moves toward power system frequency support from RE sources
- Offers an insightful perspective on the shape of future power systems including offshore networks and demand side management
- Includes worked examples that enhance this edition's suitability as a textbook for introductory courses in RE systems technology

Firmly established as an essential reference, the Second Edition of Renewable Energy in Power Systems will prove a real asset to engineers and others involved in both the traditional power and fast growing renewables sector. This text should also be of particular benefit to students of electrical power engineering and will additionally appeal to non-specialists through the inclusion of background material covering the basics of electricity generation.

NOVEMBER 2019 350PP

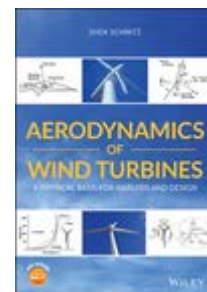
978-1-118-64993-0 CL \$80.00 (Japan)*Renewable Energy*

Aerodynamics of Wind Turbines

A Physical Basis for Analysis and Design

SVEN SCHMITZ

Aerodynamics of Wind Turbines is a comprehensive introduction to the aerodynamics, scaled design and analysis, and optimization of horizontal-axis wind turbines. The author -- a noted expert on the topic -- reviews the fundamentals and basic physics of wind turbines operating in the atmospheric boundary layer. He then explores more complex models that help in the aerodynamic analysis and design of turbine models. The text contains unique



chapters on blade element momentum theory, airfoil aerodynamics, rotational augmentation, vortex-wake methods, actuator-line modeling, and designing aerodynamically scaled turbines for model-scale experiments. The author clearly demonstrates how effective analysis and design principles can be used in a wide variety of applications and operating conditions.

The book integrates the easy-to-use, hands-on XTurb design and analysis software that is available on a companion website for facilitating individual analyses and future studies. This component enhances the learning experience and helps with a deeper and more complete understanding of the subject matter. This important book:

- Covers aerodynamics, design and analysis and optimization of wind turbines
- Offers the author's XTurb design and analysis software that is available on a companion website for individual analyses and future studies
- Includes unique chapters on blade element momentum theory, airfoil aerodynamics, rotational augmentation, vortex-wake methods, actuator-line modeling, and designing aerodynamically scaled turbines for model-scale experiments
- Demonstrates how design principles can be applied to a variety of applications and operating conditions

Written for senior undergraduate and graduate students in wind energy as well as practicing engineers and scientists, Aerodynamics of Wind Turbines is an authoritative text that offers a guide to the fundamental principles, design and analysis of wind turbines.

SEPTEMBER 2019 312PP

978-1-119-40561-0 PB \$95.00 (Japan)*Wind Energy*

Distributed Fiber Sensing and Dynamic Ratings of Power Cable

GEORGE J. ANDERS & S. CHERUKUPALLI
Ontario Hydro Research Division, Toronto

The book starts with an introduction to DTS, its functioning and possible applications. This is followed by a description of the available fiber optic cables, their construction, installation methods and testing. Various testing methods are discussed and the advantages and disadvantages of each are given. The next topic is a discussion of the application of the DTS systems in a utility environment. In particular, possible placement of the fiber optic cable is described and the advantages of each method of installation are elaborated on. A full chapter is devoted to the explanation of the cable ampacity (current rating) calculations and how the measured fiber temperature is used to obtain the dynamic cable rating information in real time. A brief description of the leading RTTR suppliers, including verification methods they used before introducing their products to the market is offered. Finally, future applications of the DTS technology in other aspects of power system operation are discussed.

SERIES: IEEE PRESS SERIES ON POWER ENGINEERING
NOVEMBER 2019 300PP

978-1-119-48770-8 CL \$135.00 (Japan)

Electric Power Systems

OCTOBER 2019

978-1-119-48773-9 [Wiley Online Library](#)

Power System Modeling, Computation, and Control

JOE H. CHOW, JUAN J. SANCHEZ-GASCA

Bringing together wind, FACTS, HVDC, and several other modern elements, this book gives readers everything they need to know about power systems. It makes learning complex power system concepts, models, and dynamics simpler and more efficient while providing modern viewpoints of power system analysis.

Power System Modeling, Computation, and Control provides students with a new and detailed analysis of voltage stability; a simple example illustrating the BCU method of transient stability analysis; and one of only a few derivations of the transient synchronous machine model. It offers a discussion on reactive power consumption of induction motors during start-up to illustrate the low-voltage phenomenon observed in urban load centers. Damping controller designs using power system stabilizer, HVDC systems, static var compensator, and thyristor-controlled series compensation are also examined. In addition, there are chapters covering flexible AC transmission Systems (FACTS)—including both thyristor and voltage-sourced converter technology—and wind turbine generation and modeling.

- Simplifies the learning of complex power system concepts, models, and dynamics
- Provides chapters on power flow solution, voltage stability, simulation methods, transient stability, small signal stability, synchronous machine models (steady-state and dynamic models), excitation systems, and power system stabilizer design
- Includes advanced analysis of voltage stability, voltage recovery during motor starts, FACTS and their operation, damping control design using various control equipment, wind turbine models, and control
- Contains numerous examples, tables, figures of block diagrams, MATLAB plots, and problems involving real systems
- Written by experienced educators whose previous books and papers are used extensively by the international scientific community

Power System Modeling, Computation, and Control is an ideal textbook for graduate students of the subject, as well as for power system engineers and control design professionals.

SERIES: WILEY - IEEE
NOVEMBER 2019 640PP

978-1-119-54687-0 CL \$135.00 (Japan)

Electric Power Systems

NOVEMBER 2019

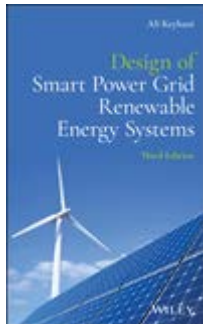
978-1-119-54692-4 [Wiley Online Library](#)

Design of Smart Power Grid Renewable Energy Systems

3rd Edition

ALI KEYHANI

The revised third edition of *Design of Smart Power Grid Renewable Energy Systems* integrates three areas of electrical engineering: power systems, power electronics, and electric energy conversion systems. The book also addresses the fundamental design of wind and photovoltaic (PV) energy microgrids as part of smart-bulk power-grid systems. In order to demystify the complexity of the integrated approach, the author first presents the basic concepts, and then explores a simulation test bed in MATLAB® in order to use these concepts to solve a basic problem in the development of smart grid energy system. Each chapter offers a problem of integration and describes why it is important. Then the mathematical model of the problem is formulated, and the solution steps are outlined. This step is followed by developing a MATLAB® simulation test bed. This important book:



- Reviews the basic principles underlying power systems
- Explores topics including: AC/DC rectifiers, DC/AC inverters, DC/DC converters, and pulse width modulation (PWM) methods
- Describes the fundamental concepts in the design and operation of smart grid power grids
- Supplementary material includes a solutions manual and PowerPoint presentations for instructors

Written for undergraduate and graduate students in electric power systems engineering, researchers, and industry professionals, the revised third edition of *Design of Smart Power Grid Renewable Energy Systems* is a guide to the fundamental concepts of power grid integration on microgrids of green energy sources.

SEPTEMBER 2019 800PP

978-1-119-57332-6 CL \$155.00 (Japan)

Smart Grid

AUGUST 2019

978-1-119-57326-5 Wiley Online Library

Subsurface Science and Engineering of Shale

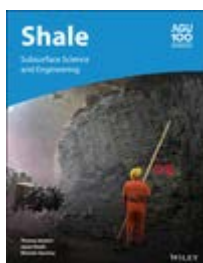
THOMAS DEWERS, JASON HEATH, MARCELO SÁNCHEZ

Shale is the dominant rock in the sedimentary record. It is also the subject of increased interest because of the growing contribution of shale oil and gas to energy supplies, as well as the potential use of shale formations for carbon dioxide sequestration and nuclear waste storage.

Shale: Subsurface Science and Engineering brings together geoscience and engineering to present the latest models, methods and applications for understanding and exploiting shale formations.

Volume highlights include:

- Review of current knowledge on shale geology
- Latest shale engineering methods such as horizontal drilling
- Reservoir management practices for optimized oil and gas field development
- Examples of economically and environmentally viable methods of hydrocarbon extraction from shale
- Discussion of issues relating to hydraulic fracking, carbon sequestration, and nuclear waste storage



SERIES: GEOPHYSICAL MONOGRAPH SERIES
NOVEMBER 2019 336PP

978-1-119-06668-2 CL \$199.95 (Japan)

Geology & Geophysics

OCTOBER 2019 336PP

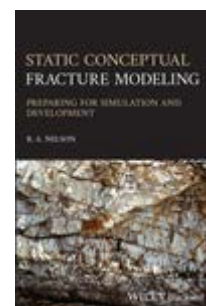
978-1-119-06669-9 [Wiley Online Library](#)

Static Conceptual Fracture Modeling Preparing for Simulation and Development

RONALD A. NELSON

Modelling of flow in naturally fractured reservoirs is quickly becoming mandatory in all phases of oil and gas exploration and production. Creation of a Static Conceptual Fracture Model (SCFM) is needed as input to create flow simulations for today and for prediction of flow into the future. Unfortunately, the computer modelers tasked with constructing the gridded fracture model are often not well versed in natural fracture characterization and are often forced to make quick decisions as to the input required by the software used to create these models.

Static Conceptual Fracture Modelling: Preparing for Simulation and Development describes all the fracture and reservoir parameters needed to create the fracture database for effective modelling and how to generate the data and parameter distributions. The material covered in this volume highlights not only natural fracture system quantification and formatting, but also describes best practices for managing technical teams charged with creating the SCFM. This book will become a must on the shelf for all reservoir modelers.



NOVEMBER 2019 252PP

978-1-119-59693-6 CL \$135.00 (Japan)

Geology & Geophysics

NOVEMBER 2019 216PP

978-1-119-59687-5 [Wiley Online Library](#)

Water Science, Policy and Management

A Global Challenge

Editor SIMON JAMES DADSON, Editor DUSTIN E. GARRICK,
Editor EDMUND C. PENNING-ROWSELL, Editor JIM W. HALL,
Editor ROB HOPE & Editor JOCELYNE HUGHES
University of Oxford; University of Reading, UK

Sustainable water management is an increasingly complex challenge and policy priority facing global society. This book examines how governments, municipalities, corporations, and individuals find sustainable water management pathways across competing priorities of water for ecosystems, food, energy, economic growth and human consumption. It looks at the current politics and economics behind the management of our freshwater ecosystems and infrastructure and offers insightful essays that help stimulate more intense and informed debate about the subject and its need for local and international cooperation.

This book celebrates the 15-year anniversary of Oxford University's MSc course in Water Science, Policy and Management. Edited and written by some of the leading minds in the field, writing alongside alumni from the course, *Water Science, Policy and Management: A Global Challenge* offers in-depth chapters in three parts: Science; Policy; and Management. Topics cover: hydroclimatic extremes and climate change; the past, present, and future of groundwater resources; water quality modelling, monitoring, and management; and challenges for freshwater ecosystems. The book presents critical views on the monitoring and modelling of hydrological processes; the rural water policy in Africa and Asia; the political economy of wastewater in Europe; drought policy management and water allocation. It also examines the financing of water infrastructure; the value of wastewater; water resource planning; sustainable urban water supply and the human right to water.

- Features perspectives from some of the world's leading experts on water policy and management
- Identifies and addresses current and future water sector challenges
- Charts water policy trends across a rapidly evolving set of challenges in a variety of global areas
- Covers the reallocation of water; policy process of risk management; the future of the world's water under global environmental change; and more

Water Science, Policy and Management: A Global Challenge is an essential book for policy makers and government agencies involved in water management, and for undergraduate and postgraduate students studying water science, governance, and policy.

NOVEMBER 2019 400PP

978-1-119-52060-3 CL \$110.00 (Japan)

Water Resource Management

NOVEMBER 2019

978-1-119-52062-7 **Wiley Online Library**

ファイナンス／インベストメント

Alternative Investments**CAIA Level I****4th Edition**DONALD R. CHAMBERS, MARK J. P. ANSON, KEITH H. BLACK,
HOSSEIN KAZEMI & CAIA ASSOCIATION

Alternative Investments: CAIA Level I, 4th Edition is the curriculum book for the Chartered Alternative Investment Analyst (CAIA) Level I professional examination. Covering the fundamentals of the alternative investment space, this book helps you build a foundation in alternative investment markets. You'll look closely at the different types of hedge fund strategies and the range of statistics used to define investment performance as you gain a deep familiarity with alternative investment terms and develop the computational ability to solve investment problems. From strategy characteristics to portfolio management strategies, this book contains the core material you will need to succeed on the CAIA Level I exam. This updated fourth edition tracks to the latest version of the exam and is accompanied by the following ancillaries: a workbook, study guide, learning objectives, and an ethics handbook.

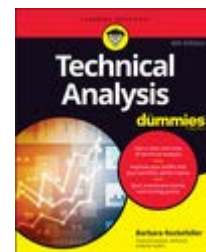


SERIES: WILEY FINANCE

NOVEMBER 2019 912PP

978-1-119-60414-3 CL \$125.00 (Japan)*Institutional & Corporate Finance***Technical Analysis For Dummies**
4th EditionBARBARA ROCKEFELLER, Stamford, United States
Rockefeller Treasury Services, Stamford, Connecticut

Savvy traders know that the best way to maximize return is to interpret real-world market information for themselves rather than relying solely on the predictions of professional analysts. This straightforward guide shows you how to put this into profitable action--from basic principles and useful formulas to current theories on market trends and behavioral economics--to make the most lucrative decisions for your portfolio.



The latest edition of Technical Analysis for Dummies includes a brand-new chapter on making the right decisions in a bull or bear market, an updated look at unique formulas and key indicators, as well as refreshed and practical examples that reflect today's financial atmosphere.

- Become an expert in spotting market trends and key indicators
- Get the skinny on the latest research on behavioral economics
- Take a deep dive into how to read market sentiment and make it work for you
- Get a look at the first innovation in charting for decades--straight from Japan

With comprehensive coverage from charting basics to the cutting edge, Technical Analysis for Dummies includes everything you need to make informed independent market decisions that will maximize your profits. Happy trading!

NOVEMBER 2019 384PP

978-1-119-59655-4 PB \$26.99 (Japan)*Investments & Securities*

The Little Book of Investing Like the Pros

Five Steps for Picking Stocks

JOSHUA ROSENBAUM

As you have probably noticed, there are quite a few investing books out there. Many of them were written by some of the world's greatest investors. So, why should you read our book? Stock investing is more prevalent than ever, whether directly or indirectly through brokerage accounts, exchange-traded funds (ETFs), mutual funds, or retirement plans. Despite this, the vast majority of individual investors have no training on how to pick stocks. And, until now, there hasn't been a truly accessible, easy-to-understand resource available to help them. The Little Book of Investing Like the Pros was written to fill this void.

We believe the simplicity and accessibility of our stock picking framework is truly unique. Using real-world examples and actual Wall Street models used by the pros, we teach you how to pick stocks in a highly accessible, step-by-step manner. Our goal is straightforward—to impart the skills necessary for finding high-quality stocks while protecting your portfolio with risk management best practices. Our practical approach is designed to help demystify the investing process, which can be intimidating. This training will help set you apart from others who are largely flying blind.

Pilots require extensive training before receiving a license. Doctors must graduate medical school, followed by a multi-year residency. Even those providing professional investment advice require certification. But anyone can buy a stock without any training whatsoever. While buying stocks on a hunch and a prayer may not endanger your life, it can certainly put your finances at risk.

SERIES: LITTLE BOOKS. BIG PROFITS

NOVEMBER 2019 320PP

978-1-118-28140-6 CL \$24.95 (Japan)

Investments & Securities

Advanced Positioning, Flow and Sentiment Analysis in Commodity Markets

Bridging Fundamental and Technical Analysis

MARK KEENAN

In recent years, positioning has become a key driver of commodity prices and a principal factor in shaping sentiment and behavior. Advanced Positioning, Flow and Sentiment Analysis in Commodity Markets defines and establishes Positioning Analysis as an area of research that provides a powerful framework to better understand price dynamics, risk, sentiment and behavior in commodity markets. Based on standard positioning data and bridging aspects of fundamental and technical analysis, the approach builds on how certain types of positioning patterns, in the context of changes in variables like price, curve structure, fundamentals such as inventory, seasonal factors, exchange rates, changes in the broader macroeconomic environment and the levels of risk and uncertainty in the market, can be used to develop models, indicators and analyses. These lead to the generation of robust trading signals, that can be either used directly, or integrated into a variety of different trading, investment and risk management programs to enhance performance.

This is a revision of Positioning Analysis in Commodity Markets, which the author self-published and was released on Amazon earlier this year (January 2018), and it will include new chapters and significant updates to many of the previous chapters from the first book. The models, indicators and studies in the first book, which have been developed for over 20 years through the author's research work, were based on data and conclusions up until the end of 2016 -- the new book will include data up until the end of 2018. There will also be numerous enhancements and improvements to many of the previous models and the introduction of new and advanced models and methodologies. A key difference with this new version will be that all models, analysis, indicators and studies will be available online and updated continuously going forward, making the companion website a key feature of the book.



SERIES: WILEY TRADING

NOVEMBER 2019 336PP

978-1-119-60382-5 CL \$110.00 (Japan)

Trading

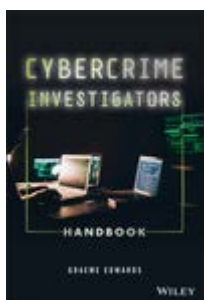
NOVEMBER 2019

978-1-119-60384-9 [Wiley Online Library](#)

Cybercrime Investigators Handbook

GRAEME EDWARDS

Cyber attacks perpetrated against businesses, governments, organizations, and individuals have been occurring for decades. Many attacks are discovered only after the data has been exploited or sold on the criminal markets. Cyber attacks damage both the finances and reputations of businesses and cause damage to the ultimate victims of the crime. From the perspective of the criminal, the current state of inconsistent security policies and lax investigative procedures is a profitable and low-risk opportunity for cyber attacks. They can cause immense harm to individuals or businesses online and make large sums of money--safe in the knowledge that the victim will rarely report the matter to the police. For those tasked with probing such crimes in the field, information on investigative methodology is scarce. The Cybercrime Investigators Handbook is an innovative guide that approaches cybercrime investigation from the field-practitioner's perspective.



While there are high-quality manuals for conducting digital examinations on a device or network that has been hacked, the Cybercrime Investigators Handbook is the first guide on how to commence an investigation from the location the offence occurred--the scene of the cybercrime--and collect the evidence necessary to locate and prosecute the offender. This valuable contribution to the field teaches readers to locate, lawfully seize, preserve, examine, interpret, and manage the technical evidence that is vital for effective cybercrime investigation.

- Fills the need for a field manual for front-line cybercrime investigators
- Provides practical guidance with clear, easy-to-understand language
- Approaches cybercrime from the perspective of the field practitioner
- Helps companies comply with new GDPR guidelines
- Offers expert advice from a law enforcement professional who specializes in cybercrime investigation and IT security

Cybercrime Investigators Handbook is much-needed resource for law enforcement and cybercrime investigators, CFOs, IT auditors, fraud investigators, and other practitioners in related areas.

NOVEMBER 2019 306PP

978-1-119-59628-8 CL \$65.00 (Japan)

Finance & Investments Special Topics

SEPTEMBER 2019

978-1-119-59631-8 [Wiley Online Library](#)

Introduction to Human Nutrition

3rd Edition

SUSAN A. LANHAM-NEW, ALISON GALLAGHER & DR THOMAS HILL

*Faculty of Health and Medical Sciences, University of Surrey,
Guildford, UK*

Now in its third edition, the best-selling *Introduction to Human Nutrition* continues to foster an integrated, broad knowledge of the discipline and presents the fundamental principles of nutrition science in an accessible way. With up-to-date coverage of a range of topics from food composition and dietary reference standards to phytochemicals and contemporary challenges of global food safety, this comprehensive text encourages students to think critically about the many factors and influences of human nutrition and health outcomes.

- Offers a global, multidisciplinary perspective on food and nutrition
- Covers nutrition and metabolism of proteins, lipids, carbohydrates and vitamins and minerals
- Explores new developments in functional foods, supplements and food fortification, and future challenges for nutrition research and practice
- Explains the digestion, absorption, circulatory transport, and cellular uptake of nutrients
- Demonstrates the structure and characteristics of nutrients, and the relationship with disease prevention

A primary text in nutritional science classes worldwide, *Introduction to Human Nutrition* is a vital resource for students in areas of nutrition, dietetics, and related subjects that involve principles of nutrition science.

SERIES: THE NUTRITION SOCIETY TEXTBOOK

NOVEMBER 2019 480PP

978-1-119-47697-9 PB \$65.00 (Japan)

Nutrition & Dietetics General

歴史

The Israel-Palestine Conflict

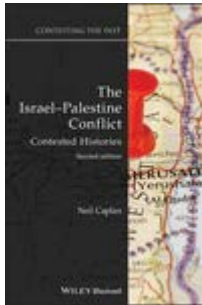
Contested Histories

2nd Edition

NEIL CAPLAN

Vanier College, Quebec, Canada

Numerous instances of competing, sometimes incompatible narratives of controversial events are found throughout history. Perhaps the starkest example of such contradictory representations is the decades-long conflict between Israel and Palestine. For over 140 years, Israelis, Palestinians, and scores of peacemakers have failed to establish a sustainable, mutually-acceptable solution. The Israel-Palestine Conflict introduces the historical basis of the dispute and explores both the tangible issues and intangible factors that have blocked a peaceful resolution. Author Neil Caplan helps readers understand the complexities and contradictions of the conflict and why the histories of Palestine and Israel are so fiercely contested.



Now in its second edition, this book has been thoroughly updated to reflect the events that have transpired since its original publication. Fresh insights consider the impact of current global and regional instability and violence on the prospects of peace and reconciliation. New discussions address recent debates over two-state versus one-state solutions, growing polarization in public discourse outside of the Middle East, the role of public intellectuals, and the growing trend of merging scholarship with advocacy. Part of the Wiley-Blackwell Contested Histories series, this clear and accessible volume:

- Offers a balanced, non-polemic approach to current academic discussions and political debates on the Israel-Palestine conflict
- Highlights eleven core arguments viewed by the author as unwinnable
- Encourages readers to go beyond simply assigning blame in the conflict
- Explores the major historiographical debates arising from the dispute
- Includes updated references and additional maps

Already a standard text for courses on the history and politics of the Middle East, The Israel-Palestine Conflict is an indispensable resource for students, scholars, and interested general readers.

SERIES: CONTESTING THE PAST

NOVEMBER 2019 384PP

978-1-119-52387-1 PB \$48.95 (Japan)*Near & Middle Eastern History*

American Revolution For Dummies

STEVE WIEGAND, *Sacramento*

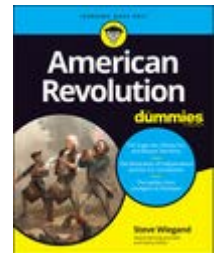
American Revolution For Dummies capitalizes on the recent resurgence of interest in the Revolutionary War period—one of the most important in the history of the United States. From the founding fathers to the Declaration of Independence, and everything that encapsulates this extraordinary period in American history, American Revolution For Dummies is your one-stop guide to the birth of the United States of America.

Understanding the critical issues of this era is essential to the study of subsequent periods in American history ... and this book makes it more accessible than ever before.

- Covers events leading up to the war, including the Sugar Act, Stamp Act, and the Boston Tea Party
- Provides information on The Declaration of Independence
- Offers insight on major battles, including the Battles of Lexington and Concord, Bunker Hill, and Yorktown
- Reviews key figures, including George Washington, Charles Cornwallis, the Marquis de Lafayette, and Alexander Hamilton

If you want or need to become more knowledgeable about the American War of Independence and the people and period surrounding it, this book gives you the information necessary to become an expert on the essential details of the revolutionary period.

NOVEMBER 2019 352PP

978-1-119-59349-2 PB \$22.99 (Japan)*US History*

Pacific Eldorado

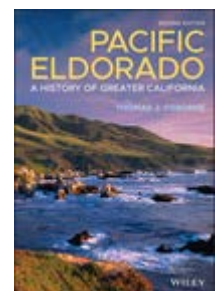
A History of Greater California

2nd Edition

THOMAS J. OSBORNE

Santa Ana College, USA

NOVEMBER 2019 520PP

978-1-119-50928-8 PB \$54.95 (Japan)*Regional American History*

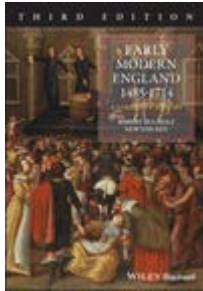
Early Modern England 1485-1714

3rd Edition

ROBERT BUCHOLZ & NEWTON KEY

Loyola University of Chicago; Eastern Illinois University

Early Modern England 1485-1714 is the market-leading introduction to the Tudor-Stuart period of English history. This accessible and engaging volume enables readers to understand the political, religious, cultural, and socio-economic forces that propelled the nation from small feudal state to preeminent world power. The authors, leading scholars and teachers in the field, have designed the text for those with little or no prior knowledge of the subject. The book's easy-to-follow narrative explores the world the English created and inhabited between the 15th and 18th centuries.



This new edition has been thoroughly updated to reflect the latest scholarship on the subject, such as Henry VIII's role in the English Reformation and the use of gendered language by Elizabeth I. A new preface addresses the theme of periodization, while revised chapters offer fresh perspectives on proto-industrialization in England, economic developments in early modern London, merchants and adventurers in the Middle East, the popular cultural life of ordinary people, and more. Offering a lively, reader-friendly narrative of the period, this text:

- Offers a wide-ranging overview of two and half centuries of English history in one volume
- Highlights how social and cultural changes affected ordinary English people at various stages of the time period
- Explores how the Irish, Scots, and Welsh affected English history
- Features maps, charts, genealogies and illustrations throughout the text
- Includes access to a companion website containing online resources

Early Modern England 1485-1714 is an indispensable resource for undergraduate students in early modern England courses, as well as students in related fields such as literature and Renaissance studies.

NOVEMBER 2019 472PP

978-1-118-53222-5 PB \$59.95 (Japan)

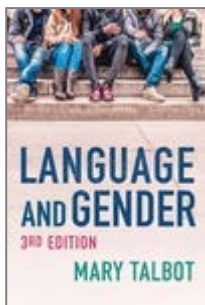
Early Modern British History

Language and Gender

3rd Edition

MARY TALBOT
University of Sunderland

Since its first publication in 1998, Mary Talbot's *Language and Gender* has been a leading textbook, popular with students for its accessibility and with teachers for the range and depth it achieves in a single volume. This anticipated third edition has been thoroughly revised and updated for the era of #MeToo, genderqueer, Trump, and cyberhate.



The book is organized into three parts. An introductory section provides grounding in early 'classic' studies in the field. In the second section, Talbot examines language used by women and men in a variety of speech situations and genres. The last section considers the construction and performance of gender in discourse, reflecting the interest in mass media and popular culture found in recent research, as well as the preoccupation with social change that is central to Critical Discourse Analysis. Maintaining an emphasis on recent research, Talbot covers a range of approaches at an introductory level, lucidly presenting sometimes difficult and complex issues. Each chapter concludes with a list of recommended readings, enabling students to further their interests in various topics.

READERSHIP: Students taking courses in language and gender or sociolinguistics, primarily in linguistics departments but also in sociology, communication and media studies.

NOVEMBER 2019 288PP
978-1-5095-3009-0 CL \$69.95 (Japan)
General & Introductory Linguistics

NOVEMBER 2019 288PP
978-1-5095-3010-6 PB \$26.95 (Japan)
General & Introductory Linguistics

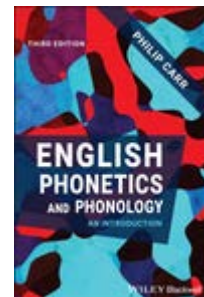
English Phonetics and Phonology

An Introduction

3rd Edition

PHILIP CARR

Thoroughly updated and with new and expanded chapters, the third edition of *English Phonetics and Phonology* remains an ideal introductory text to support students with no previous knowledge of articulatory phonetics as well as non-native speakers of English. Two new chapters have been added to this greatly popular textbook, to offer greater flexibility for teachers and increased support for non-native speakers studying the sound systems of English.



The first new chapter is based on first-language acquisition, including the mental lexicon and the emergence of phonological rules and representations. The second additional chapter focuses on second-language acquisition of English phonetics and phonology, specifically including acquisition by French, German, and Japanese speakers.

Additional features include the invaluable and now expanded chapter-by-chapter exercises, and an accompanying website available at www.wiley.com/go/carrphonetics. The website features sound files linked to the exercises, and which illustrate varieties of English.

NOVEMBER 2019 232PP
978-1-119-53374-0 PB \$49.95 (Japan)
Phonetics

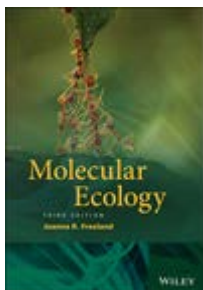
ライフサイエンス

Molecular Ecology

3rd Edition

JOANNA R. FREELAND, *Canada*

Molecular ecology is concerned with how molecular biology and population genetics may help us to better understand aspects of ecology and evolution including local adaptation, dispersal across landscapes, phylogeography, behavioral ecology, and conservation biology. As the technology driving genetic science has advanced, so too has this fast-moving and innovative discipline, providing important insights into virtually all taxonomic groups. This third edition of *Molecular Ecology* takes account of the breakthroughs achieved in recent years to give readers a thorough and up-to-date account of the field as it is today.



New topics covered in this book include next-generation sequencing, metabarcoding, environmental DNA (eDNA) assays, and epigenetics. As one of molecular ecology's leading figures, author Joanna Freeland also provides those new to the area with a full grounding in its fundamental concepts and principles. This important text:

- Is presented in an accessible, user-friendly manner
- Offers a comprehensive introduction to molecular ecology
- Has been revised to reflect the field's most recent studies and research developments
- Includes new chapters covering topics such as landscape genetics, metabarcoding, and community genetics

Rich in insights that will benefit anyone interested in the ecology and evolution of natural populations, *Molecular Ecology* is an ideal guide for all students and professionals who wish to learn more about this exciting field.

NOVEMBER 2019 464PP

978-1-119-42615-8 PB \$70.00 (Japan)

Molecular Ecology

Plant Breeding Reviews

Volume 43

Editor IRWIN GOLDMAN
University of Wisconsin-Madison, USA

NOVEMBER 2019 392PP

978-1-119-61673-3 CL \$245.00 (Japan)

Plant Science



OCTOBER 2019

978-1-119-61680-1 Wiley Online Library

文学

Resolutely Black

Conversations with Françoise Vergès

AIMÉ CÉSAIRE & Translator MATTHEW SMITH

This unique volume takes the form of a series of interviews with Césaire that were conducted by Françoise Vergès in 2004, shortly before his death. Césaire's responses to Vergès' questions cover a wide range of topics, including the origins of his political activism, the legacies of slavery and colonialism, the question of reparation for slavery and the problems of marrying literature to politics. His responses resonate today with such contentious issues as the boundaries of citizenship and the immigration question. Who should be considered a citizen of a nation? Should a state recognize slavery as a crime against humanity? What role did the colonies and its inhabitants play in the modernization of metropolitan centers? The book includes a substantial postface by Vergès in which she situates Césaire's work in its intellectual and political context.

READERSHIP: Students and scholars of literature, cultural studies, postcolonial studies, French and Francophone Studies, sociology, politics, history, race and ethnic studies.

SERIES: CRITICAL SOUTH
NOVEMBER 2019 150PP

978-1-5095-3715-0 PB \$19.95 (Japan)

Postcolonial Theory

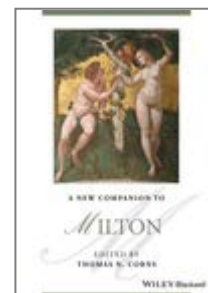


A New Companion to Milton

Editor THOMAS N. CORNS

A New Companion to Milton builds on the critically-acclaimed original, bringing alive the diverse and controversial world of contemporary Milton studies while reflecting the very latest advances in research in the field.

- Comprises 36 powerful readings of Milton's texts and the contexts in which they were created, each written by a leading scholar
- Retains 28 of the award-winning essays from the first edition, revised and updated to reflect the most recent research
- Contains a new section exploring Milton's global impact, in China, India, Japan, Korea, in Spanish speaking American and the Arab-speaking world
- Includes eight completely new full-length essays, each of which engages closely with Milton's poetic oeuvre, and a new chronology which sets Milton's life and work in the context of his age
- Explores literary production and cultural ideologies, issues of politics, gender and religion, individual Milton texts, and responses to Milton over time



SERIES: BLACKWELL COMPANIONS TO LITERATURE
AND CULTURE

NOVEMBER 2019 688PP

978-1-119-13501-2 PB \$45.00 (Japan)

English Literature

A Companion to J. R. R. Tolkien

Editor *STUART D. LEE*
University of Oxford

- An in-depth examination of Tolkien's entire work by a cadre of top scholars
- Serves as a complete resource for scholars and students of Tolkien, as well as avid fans, with coverage of his life, work, dominant themes, influences, and the critical reaction to his writing
- Provides up-to-date discussion and analysis of Tolkien's scholarly and literary works, including his latest posthumous book, *The Fall of Arthur*, as well as addressing contemporary adaptations, including the new *Hobbit* films
- Investigates various themes across his body of work, such as mythmaking, medieval languages, nature, war, religion, and the defeat of evil
- Discusses the impact of his work on art, film, music, gaming, and subsequent generations of fantasy writers

READERSHIP: Scholars, graduate students, and undergraduates studying twentieth-century literature, fantasy literature, medieval literature, or the works of Tolkien specifically; Tolkien enthusiasts

SERIES: BLACKWELL COMPANIONS TO LITERATURE
AND CULTURE

NOVEMBER 2019 608PP

978-1-119-65602-9 PB \$59.95 (Japan)

20th Century English Literature

Pocket Guide to Stress Testing 2nd Edition

Editor DENNIS TIGHE & Editor BYRON GENTILE
University of Massachusetts Medical School, Worcester, MA, USA;
University of Massachusetts Medical School, Worcester, MA, USA

The stress test is key to the clinical evaluation and management of patients with known or potential cardiovascular disease. By measuring the heart's ability to respond to external stress, it can provide vital insights into the general physical condition of patients, highlighting abnormalities in blood flow, risk of coronary artery disease, and more. The Pocket Guide to Stress Testing gives cardiology professionals a complete breakdown of this everyday procedure that they can carry with them and consult on the go.

This second edition has been fully revised to reflect the most up-to-date information available on the best approaches to conducting and interpreting various forms of stress test. With chapters spanning topics such as testing guidelines, nuclear imaging techniques, and emergency and aftercare protocols, the clear and practical contents cover all aspects of the subject. This essential new text includes:

- A complete overview of exercise stress testing, covering indications, protocols, preparation, and interpretation
- Guidelines for the standard treadmill test, as well as for the various pharmacological stress tests for patients unable to complete an exercise ECG test
- An extensive list of references and reading suggestions to help trainees to expand their knowledge
- End-of-chapter summaries and new tables and illustrations

As the field of cardiology continues to change and develop apace, this new edition of The Pocket Guide to Stress Testing provides physicians, trainee cardiologists, and cardiac nurses with a reliable, up-to-date resource for use in everyday practice.

NOVEMBER 2019 456PP

978-1-119-48177-5 PB \$95.00 (Japan)

Cardiovascular Disease

OCTOBER 2019

978-1-119-48173-7 Wiley Online Library

Electrocardiography in Ischemic Heart Disease Clinical and Imaging Correlations and Prognostic Implications

MIGUEL FIOL SALA, YOCHAI BIRNBAUM, KJELL NIKUS & ANTONI BAYS DE LUNA

The electrocardiogram (ECG) is integral to the accurate diagnosis and optimal management of patients with ischemic heart disease. Picking up a wide range of indicators, it provides valuable prognostic data to cardiologists and emergency medicine specialists for whom ECG readings are a trusted and everyday resource. *Electrocardiography in Ischemic Heart Disease* is designed to help enhance such clinicians' understanding of ECG recordings and their relationship to anatomical patterns of myocardial ischemia, thereby facilitating the continued improvement of patient care.

For this new edition, the book's globally recognized team of authors has revised and expanded the original text to bring it up to date with the cardiology of today. Practical explanations of electrophysiological mechanisms, ischemic insults, and arterial occlusions are placed in the context of the ECG's day-to-day use, while full-color images illustrate core concepts in a vivid and instructive manner. This essential guide:

- Demonstrates correlations between ECG recordings and anatomical patterns of myocardial ischemia
- Covers STEMI, special forms of NSTEMI, and Q waves
- Describes electrocardiographic patterns of ischemia, injury, and infarction
- Includes full-color images
- Explores advanced techniques such as contrast-enhanced cardiac magnetic resonance

Electrocardiography in Ischemic Heart Disease is an indispensable resource for both trainee and practicing cardiologists, emergency medicine physicians, and any clinicians involved in the diagnosis and management of ischemic heart disease.

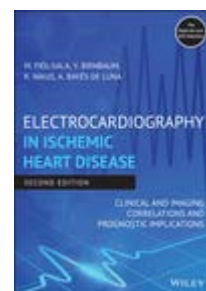
NOVEMBER 2019 344PP

978-1-119-42266-2 CL \$190.00 (Japan)

Electrophysiology

NOVEMBER 2019

978-1-119-42230-3 Wiley Online Library



Molecular Hematology

4th Edition

Editor DREW PROVAN & Editor JOHN GRIBBEN
St Barts & the Royal London Hospital, London, UK; Barts and The London School of Medicine

Molecular Hematology is a comprehensive resource for hematologists to increase their understanding of the molecular basis of various blood diseases, their pathogenesis, and current and emerging molecular research and therapies. The impact of molecular research on the field of hematology is significant molecular techniques are continuing to play a central role in the diagnosis and treatment of blood diseases. Molecular characterization of genes and proteins has increased our comprehension of the causes of hematological diseases and led to the development of new drug therapies and recombinant proteins. Now in its fourth edition, Molecular Hematology has been thoroughly revised and updated to reflect current advances in molecular research. Chapters introduce and summarize specific disorders, such as hemophilia, anemia, and multiple myeloma, and illustrate the impact of molecular research on their diagnoses and treatments. Contributions written by respected clinicians and researchers offer accessible coverage of topics including lymphoma genetics, molecular coagulation and thrombophilia, platelet disorders, pharmacogenomics, and many others.

- Demonstrates the clinical relevance of molecular biology in hematology
- Provides overviews of recent advances in cancer-cell biology, with an emphasis on leukemia and lymphoma
- Offers new and updated chapters written by an international team of experts in the field
- Presents new full-color charts, graphs, and illustrations
- Includes access to a Wiley Companion Digital Edition providing search across the book, downloadable illustrations and notation tools

Molecular Hematology is an essential volume for both trainee and practicing hematologists and oncologists, molecular biologists, and research scientists working in the field of hematology.

NOVEMBER 2019 392PP

978-1-119-25287-0 CL \$215.00 (Japan)

Hematology

NOVEMBER 2019

978-1-119-25286-3 **Wiley Online Library**



Practical Radiotherapy

Physics and Equipment

3rd Edition

PAM CHERRY & ANGELA DUXBURY
City University; Sheffield Hallam University

Now in its third edition, Practical Radiotherapy continues to keep pace with current and emerging technologies, patient pathways, and the rapidly expanding role of therapeutic radiographers.

Extensively revised and updated, this accessible book examines all the essential aspects of radiotherapy, from the physics and mathematics of radiation beams, to in-depth descriptions of the equipment used by radiotherapy practitioners, to new and expanded coverage of MR-linac and Halcyon technology, proton therapy, stereotactic body radiotherapy, sealed-source verification and quality assurance for MV equipment.

- Covers all the core information essential to radiotherapy practice
- Describes the major aspects of therapeutic radiography in a practical context
- Includes updated self-assessment tests, images and diagrams, supplemental reading suggestions and more radiotherapy-specific examples
- Features expanded coverage of legislation, advanced treatment delivery, flattening filter free treatment and more

Practical Radiotherapy is a valuable resource for radiotherapy and medical physics students, radiotherapists, therapeutic radiographers, radiation therapists, clinical oncologists and oncology nurses.

NOVEMBER 2019 312PP

978-1-119-51262-2 PB \$75.00 (Japan)

Oncology & Radiotherapy



Mount Sinai Expert Guides: Oncology

Editor WILLIAM K. OH & Editor AJAI CHARI

The Mount Sinai Expert Guides provide quick access to point-of-care specialist clinical information for physicians across a range of therapeutic areas.

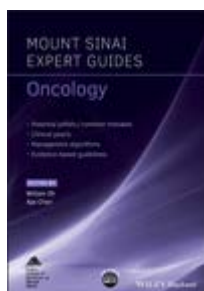
For each specialty area, the guides emphasize:

- Common pitfalls in diagnosis and management
- How to prevent complications
- Diagnostic and treatment algorithms
- Key scientific trials
- Evidence-based clinical content
- Major society guidelines

in order to summarize the very latest in diagnosis and management of diseases and related symptoms. Edited by renowned specialists from the Icahn School of Medicine at Mount Sinai, key faculty members provide the content for all chapters. To ensure consistency within each book and the series as a whole, chapters follow a unified structure throughout.

Bonus features such as online case studies with related questions for self-assessment, key patient advice, and ICD codes are provided via the series companion website.

Each guide also has its own mobile app available for purchase, allowing you rapid access to the key features wherever you may be.



SERIES: MOUNT SINAI EXPERT GUIDES

SEPTEMBER 2019 616PP

978-1-119-18955-8 PB \$125.00 (Japan)

Oncology & Radiotherapy

SEPTEMBER 2019

978-1-119-18959-6 [Wiley Online Library](#)

Pharmacoepidemiology 6th Edition

BRIAN L. STROM, United States, STEPHEN E. KIMMEL & SEAN HENNESSY

University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania; University of Pennsylvania School of Medicine; University of Pennsylvania School of Medicine

This classic, field-defining textbook, now in its sixth edition, provides the most comprehensive guidance available for anyone needing up-to-date information in pharmacoepidemiology. This edition has been fully revised and updated throughout and continues to provide a rounded view on all perspectives from academia, industry and regulatory bodies, addressing data sources, applications and methodologies with great clarity.



NOVEMBER 2019 1248PP

978-1-119-41341-7 CL \$300.00 (Japan)

Pharmacology & Pharmaceutical Medicine

NOVEMBER 2019

978-1-119-41343-1 [Wiley Online Library](#)

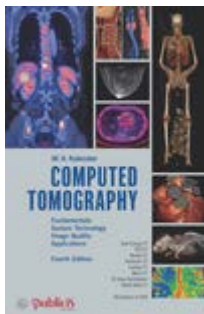
Computed Tomography

Fundamentals, System Technology, Image Quality, Applications

4th Edition

WILLI A. KALENDER

The book is intended for all those who work daily, regularly or even occasionally with CT - physicians, engineers, technicians and physicists, as well as students learning about CT. Written by one of the world's leading experts, it offers a comprehensive description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT. It covers in detail all characteristic parameters relevant for image quality and all performance features significant for clinical application. Readers will thus be informed how to use a CT system to an optimum depending on the different diagnostic requirements. This includes a detailed discussion about the dose required and about dose measurements as well as how to reduce dose in CT. All considerations pay special attention to spiral CT and to developments towards advanced multi-slice and cone-beam CT. For the fourth edition, latest topics like breast CT and automatic exposure control have been added. A glossary describes important technical terms in alphabetical order. The enclosed DVD offers of all figures in the book and attractive case studies, including many examples from most recent 64-slice acquisitions, and interactive exercises for image viewing and manipulation.



NOVEMBER 2019 388PP

978-3-89578-471-2 CL \$85.00 (Japan)

Radiology & Imaging

Essential Computational Fluid Dynamics

Second Edition

OLEG ZIKANOV
University of Michigan, Dearborn

This comprehensively updated new edition covers the fundamental concepts and main methods of modern Computational Fluid Dynamics (CFD). With expert guidance and a wealth of useful techniques, the book offers a clear, concise, and accessible account of the essentials needed to perform and interpret a CFD analysis.

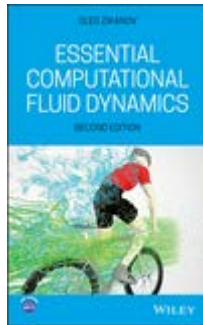
The new edition adds a plethora of new information on such topics as the techniques of interpolation, finite volume discretization on unstructured grids, projection methods, and RANS turbulence modeling. The book has been thoroughly edited to improve clarity and to reflect the recent changes in the practice of CFD. It also features a large number of new end-of-chapter problems.

All the attractive features that have contributed to the success of the first edition are retained by this version. The book remains an indispensable guide, which:

- Introduces CFD to students and working professionals in the areas of practical applications, such as mechanical, civil, chemical, biomedical, or environmental engineering
- Focuses on the needs of someone who wants to apply existing CFD software and understand how it works, rather than develop new codes
- Covers all the essential topics, from the basics of discretization to turbulence modeling and uncertainty analysis
- Discusses complex issues using simple worked examples and reinforces learning with problems
- Is accompanied by a website hosting lecture presentations and a solution manual

Essential Computational Fluid Dynamics, Second Edition is an ideal textbook for senior undergraduate and graduate students taking their first course on CFD. It is also a useful reference for engineers and scientists working with CFD applications.

NOVEMBER 2019 384PP
978-1-119-47462-3 CL \$135.00 (Japan)
Fluid Mechanics



Unmanned Aircraft Design Techniques

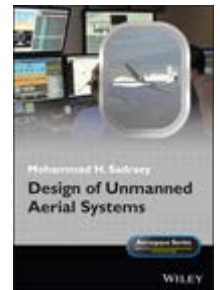
MOHAMMAD H. SADRAEY
Daniel Webster College, USA

Design of Unmanned Aerial Systems covers the design of UAVs in three sections--vehicle design, autopilot design, and ground systems design--in a way that allows readers to fully comprehend the science behind the subject so that they can then demonstrate creativity in the application of these concepts on their own. It teaches students and engineers all about: UAV classifications, design groups, design requirements, mission planning, conceptual design, detail design, and design procedures. It provides them with in-depth knowledge of ground stations, power systems, propulsion systems, automatic flight control systems, guidance systems, navigation systems, and launch and recovery systems. Students will also learn about payloads, manufacturing considerations, design challenges, flight software, microcontroller, and design examples. In addition, the book places major emphasis on the automatic flight control systems and autopilots.

- Provides design steps and procedures for each major component
- Presents several fully solved, step-by-step examples at component level
- Includes numerous UAV figures/images to emphasize the application of the concepts
- Describes real stories that stress the significance of safety in UAV design
- Offers various UAV configurations, geometries, and weight data to demonstrate the real-world applications and examples
- Covers a variety of design techniques/processes such that the designer has freedom and flexibility to satisfy the design requirements in several ways
- Features many end-of-chapter problems for readers to practice

Design of Unmanned Aerial Systems is an excellent text for courses in the design of unmanned aerial vehicles at both the upper division undergraduate and beginning graduate levels.

SERIES: AEROSPACE SERIES
NOVEMBER 2019 568PP
978-1-119-50870-0 CL \$150.00 (Japan)
Aeronautic & Aerospace Engineering



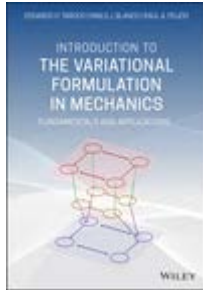
OCTOBER 2019
978-1-119-50861-8 Wiley Online Library

Introduction to the Variational Formulation in Mechanics

Fundamentals and Applications

PABLO J. BLANCO, EDGARDO O. TAROCO & RAUL A. FEIJOO

Nearly 40 years in the making, this book provides students with the foundation material of mechanics using a variational tapestry. It is centered around the variational structure underlying the Method of Virtual Power (MVP). The variational approach to the modeling of physical systems is the preferred approach to address complex mathematical modeling of both continuum and discrete media. This book provides a unified theoretical framework for the construction of a wide range of multiscale models.



Introduction to the Variational Formulation in Mechanics: Fundamentals and Applications enables readers to develop, on top of solid mathematical (variational) bases, and following clear and precise systematic steps, several models of physical systems, including problems involving multiple scales. It covers: Vector and Tensor Algebra; Vector and Tensor Analysis; Mechanics of Continua; Hyperelastic Materials; Materials Exhibiting Creep; Materials Exhibiting Plasticity; Bending of Beams; Torsion of Bars; Plates and Shells; Heat Transfer; Incompressible Fluid Flow; Multiscale Modeling; and more.

- A self-contained reader-friendly approach to the variational formulation in the mechanics
- Examines development of advanced variational formulations in different areas within the field of mechanics using rather simple arguments and explanations
- Illustrates application of the variational modeling to address hot topics such as the multiscale modeling of complex material behavior
- Presentation of the Method of Virtual Power as a systematic tool to construct mathematical models of physical systems gives readers a fundamental asset towards the architecture of even more complex (or open) problems

Introduction to the Variational Formulation in Mechanics: Fundamentals and Applications is an ideal book for advanced courses in engineering and mathematics, and an excellent resource for researchers in engineering, computational modeling, and scientific computing.

NOVEMBER 2019 664PP

978-1-119-60090-9 CL \$150.00 (Japan)

Computational / Numerical Methods

NOVEMBER 2019

978-1-119-60092-3 [Wiley Online Library](#)

Advances in Ceramics for Environmental, Functional, Structural, and Energy Applications II

Ceramic Transactions
Volume 266

Editor AMAR S. BHALLA, Editor MORSI M. MAHMOUD, Editor RUYAN GUO, Editor NAROTTAM P. BANSAL, Editor RICK UBIC, Editor JAKE AMOROSO, Editor CORY TRIVELPIECE, Editor NAVIN JOSE MANJOORAN, Editor GARY PICKRELL & Editor DINESH AGRAWAL

The Pennsylvania State University; The Pennsylvania State University; NASA, Glenn Research Center

This proceedings contains a collection of 22 papers presented at the 2018 Materials Science and Technology Meeting (MS&T'18) held in Columbus, Ohio, October 14-18, 2018.

Symposia topics included in this volume are:

- Advances in Dielectric Materials and Electronic Devices
- Innovative Processing and Synthesis of Ceramics, Glasses and Composites
- International Symposium on Ceramic Matrix Composites
- Materials for Nuclear Applications and Extreme Environments
- Nanotechnology for Energy, Environment, Electronics, Healthcare and Industry
- Processing and Performance of Materials Using Microwaves, Electric and Magnetic Fields, Ultrasound, Lasers, and Mechanical Work -- Rustum Roy Symposium
- Additive Manufacturing of Composites and Complex Materials
- Eco-Friendly and Sustainable Ceramics



SERIES: CERAMIC TRANSACTIONS SERIES
NOVEMBER 2019 272PP

978-1-119-63148-4 CL \$250.00 (Japan)

Ceramics

OCTOBER 2019

978-1-119-63146-0 [Wiley Online Library](#)

79th Conference on Glass Problems

Ceramic Transactions
Volume 267

S. K. SUNDARAM

Pacific Northwest National Laboratory

This proceedings contains a collection of 21 papers presented at the 79th Conference on Glass Problems held November 4-8, 2018 in Columbus, Ohio. Papers touch on topics critical to glass manufacturers including melting and combustion; refractories; forming; and environmental issues.



SERIES: CERAMIC TRANSACTIONS SERIES

NOVEMBER 2019 226PP

978-1-119-63155-2 CL \$250.00 (Japan)

Ceramics

AUGUST 2019

978-1-119-63159-0 [Wiley Online Library](#)

Optical Properties of Materials and Their Applications

2nd Edition

Editor JAI SINGH, Australia, Series Editor PETER CAPPER, Series Editor ARTHUR WILLOUGHBY & Series Editor SAFA KASAP

Charles Darwin University, Australia; BAE Systems Ltd, UK; University of Southampton; University of Saskatchewan

Optical Properties of Materials and Their Applications, 2nd Edition starts by identifying the processes that should be described in detail and follows with the relevant classes of materials. In addition to featuring four new chapters on optoelectronic properties of organic semiconductors, recent advances in electroluminescence, perovskites, and ellipsometry, the book covers: optical properties of disordered condensed matter and glasses; concept of excitons; photoluminescence, photoinduced changes, and electroluminescence in noncrystalline semiconductors; and photoinduced bond breaking and volume change in chalcogenide glasses. Also included are chapters on: nonlinear optical properties of photonic glasses; kinetics of the persistent photoconductivity in crystalline III-V semiconductors; and transparent white OLEDs. In addition, readers will learn about excitonic processes in quantum wells; optoelectronic properties and applications of quantum dots; and more.

- Covers all of the fundamentals and applications of optical properties of materials
- Includes theory, experimental techniques, and current and developing applications
- Includes four new chapters on optoelectronic properties of organic semiconductors, recent advances in electroluminescence, perovskites, and ellipsometry
- Appropriate for materials scientists, chemists, physicists and electrical engineers involved in development of electronic materials
- Written by internationally respected professionals working in physics and electrical engineering departments and government laboratories

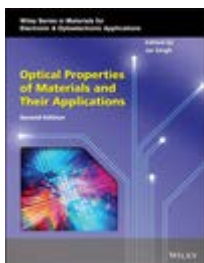
SERIES: WILEY SERIES IN MATERIALS FOR ELECTRONIC & OPTOELECTRONIC APPLICATIONS
NOVEMBER 2019 656PP

978-1-119-50631-7 CL \$265.00 (Japan)

Electronic Materials

NOVEMBER 2019

978-1-119-50600-3 [Wiley Online Library](#)



Mechanically Responsive Materials for Soft Robotics

HIDEKO KOSHIMA

This book covers the mechanical materials as artificial muscles as well as the self-healing and the strain sensor materials as artificial skins, which are indispensable to make soft robots. The mechanical materials include polymers, gels and crystals, with stimulation by light and heat. It not only offers a comprehensive, timely snapshot of current research on mechanically responsive materials, together with manufacture of soft robotics, but also provides with the forefront of the study of mechanical materials for soft robotics.

NOVEMBER 2019 432PP

978-3-527-34620-2 CL \$215.00 (Japan)

Biomaterials

NOVEMBER 2019

978-3-527-82220-1 [Wiley Online Library](#)



Polymer Electrolytes

Characterization and Applications

TAN WINIE, ABDUL K. AROF & SABU THOMAS
Mahatma Gandhi University

Highly relevant, this handbook provides detailed and up-to-date information on the characterization and application of polymer electrolytes. Volume 1 discusses various properties of polymer electrolytes characterized by different techniques, including theory, data analysis and error control, while the second volume introduces energy applications, such as batteries, supercapacitors, fuel and solar cells, as well as discussing the challenges for particular electrochemical systems.

With its interdisciplinary content, ranging from electrochemistry and physical chemistry to energy applications, this reference will benefit scientists in both academia and industry.

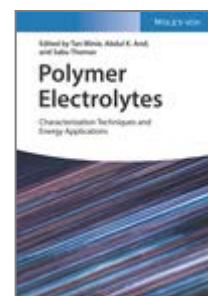
NOVEMBER 2019 416PP

978-3-527-34200-6 CL \$205.00 (Japan)

Materials for Energy Systems

NOVEMBER 2019

978-3-527-80545-7 [Wiley Online Library](#)



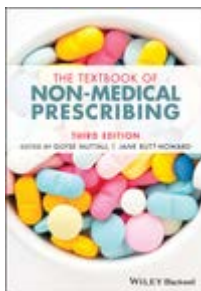
The Textbook of Non-Medical Prescribing

3rd Edition

DILYSE NUTTALL & JANE RUTT-HOWARD

University of Central Lancashire; University of Central Lancashire

The Textbook of Non-Medical Prescribing is an authoritative and accessible overview of the vital skills, contemporary issues and essential knowledge relevant to both students and healthcare practitioners. Written as a response to the growing emphasis placed on prescribing in the modern health service, this text provides up-to-date information on safe and effective prescribing. This wide-ranging book helps students and trainees develop foundational knowledge of the key areas and prescribing competencies and provides healthcare professionals with a continued source of current information.



Now in its third edition, this text has been fully updated and revised to reflect changes in legislation, current practices and new guidelines. New and updated topics include independent prescribing for therapeutic radiologists, supplementary prescribing for dietitians, paramedics working in advanced roles to independently prescribe and the Royal Pharmaceutical Society's Competency Framework for all Prescribers.

- Provides up-to-date information essential to safe and effective prescribing in a clear, easy-to-understand style
- Discusses current issues and practices in pharmacology, prescribing and therapeutics and medicine management
- Links to the Royal Pharmaceutical Society's Competency Framework for all Prescribers for non-medical prescribers
- Presents learning objectives, key theme summaries, activities and numerous case studies
- Offers access to additional online resources including interactive exercises, quizzes, self-assessment tests and web links

The Textbook of Non-Medical Prescribing is an essential resource for students, nurses, dieticians, pharmacists, and allied health practitioners pursuing a prescribing qualification or looking for an updated refresher on the subject.

NOVEMBER 2019 424PP

978-1-119-52047-4 PB \$39.95 (Japan)

General Clinical Nursing

物理学

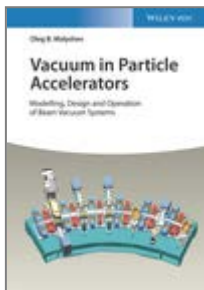
Vacuum in Particle Accelerators Modelling, Design and Operation of Beam Vacuum Systems

OLEG B. MALYSHEV

Vacuum in Particle Accelerators offers a comprehensive overview of ultra-high vacuum systems that are used in charge particle accelerators. The book's contributors noted experts in the field also highlight the design and modeling of vacuum particle accelerators.

The book reviews vacuum requirements, identifies sources of gas in vacuum chambers and explores methods of removing them. In addition, Vacuum in Particle Accelerators offers an in-depth explanation of the control of the beam and the beam aperture. In the final part of the book, the focus is on the modelling approaches for vacuum chambers under various operating conditions. This important guide:

- Offers a review of vacuum systems in charge particle accelerators
- Contains contributions from an international panel of noted experts in the field
- Highlights the systems, modelling, and design of vacuum particle accelerators
- Includes information on vacuum requirements, beam-gas interactions, cryogenic temperatures, ion induced pressure instability, heavy ion machines
- Presents the most up-to-date information on the topic for scientists and engineers



Written for vacuum physicists, vacuum engineers, plasma physicists, materials scientists, and engineering scientists, Vacuum Particle Accelerators is an essential reference offering an in-depth exploration of vacuum systems and the modelling and design of charged particle accelerators.

NOVEMBER 2019 528PP

978-3-527-34302-7 CL \$207.00 (Japan)*Particle Physics*

NOVEMBER 2019

978-3-527-80913-4 Wiley Online Library

Surface and Interface Science, Volumes 7 and 8

**Volume 7 - Solid-Liquid and Biological Interfaces;
Volume 8 - Applications of Surface**

Editor KLAUS WANDELT

University of Bonn, Germany

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

Volume 1: Concepts and Methods

Volume 2: Properties of Elemental Surfaces

Volume 3: Properties of Composite

Surfaces: Alloys, Compounds, Semiconductors

Volume 4: Solid-Solid Interfaces and Thin Films

Volume 5: Solid-Gas Interfaces I

Volume 6: Solid-Gas Interfaces II

Volume 7: Liquid and Biological Interfaces

Volume 8: Interfacial Electrochemistry

Volume 9: Applications of Surface Science I

Volume 10: Applications of Surface Science II



Content of Volumes 7 & 8:

- Probing Liquid/Solid Interfaces at the Molecular Level
- Structure and Dynamics of Liquid-Solid Interfaces
- Adsorption of Biomolecules
- Liquid Surfaces
- Surfaces of Ionic Liquids
- Superhydrophobicity
- Cell Penetrating Peptides Targeting and Distorting Biological Membranes
- Theory of Solid/Electrolyte Interfaces
- Metal/Electrolyte Interfaces: An Atomic View
- X-Ray Spectroscopy at Electro-Catalytic Interfaces
- Fundamental Aspects of Electro-Catalysis
- Non-Linear Processes at Solid/Liquid Interfaces

SERIES: WANDELT HDBK SURFACE AND INTERFACE SCIENCE V1 - V6

NOVEMBER 2019 1016PP

978-3-527-41159-7 CL \$500.00 (Japan)*Condensed Matter*

Volume 7

NOVEMBER 2019

978-3-527-68059-7 Wiley Online Library

Volume 8

NOVEMBER 2019

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哲学

Hilary Putnam

BAGHRAMIAN

SERIES: KEY CONTEMPORARY THINKERS

NOVEMBER 2019 UnknownPP

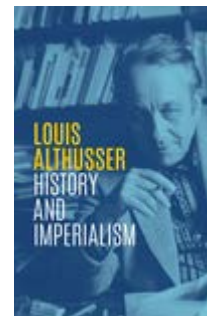
978-0-7456-2106-7 CL \$105.00 (Japan)*General Philosophy*

NOVEMBER 2019 UnknownPP

978-0-7456-2107-4 PB \$34.95 (Japan)*General Philosophy*History and Imperialism
Writings, 1963-1986

LOUIS ALTHUSSER & Translator G. M GOSHGARIAN

Writings on History brings together a selection of texts by Louis Althusser dating from 1963 to 1986, including essays, a lecture, notes to his collaborators, and the transcript of an informal 1963 discussion of literary history. The centrepiece of this collection is Althusser's previously unpublished Book on Imperialism, a theorization of globalized capitalism that remained unfinished. All these writings are concerned with the place of history in Marxist theory and, in particular, on what Althusser considered to be the mortal danger of historicism haunting the revolutionary reading of the present. They testify to his continuing dialogue with the historiography of his day, several of whose representatives were engaged in discussion and debate with him. Deeply interested in history but intent on avoiding the kind of interpretation that would transform it into a deterministic force, Althusser never ceased to reflect on the equilibrium between the historical and the concept in Marxist historiography, an equilibrium that he sought to reinvent for his time. The traces of that undertaking, which continues to generate debate throughout the world today, are brought together in this volume.



READERSHIP: This book will appeal to anyone interested in radical theory and radical politics, as well as to students and scholars interested in political philosophy, French theory and Althusser and his legacy.

NOVEMBER 2019 220PP

978-1-5095-3722-8 CL \$69.95 (Japan)*Critical Theory*

NOVEMBER 2019 70PP

978-1-5095-3723-5 PB \$24.95 (Japan)*Critical Theory*

What is Ethics?

JAMES P. STERBA
University of Notre Dame

Ethics is a field of study that we all need. This is because we all make choices, and ethics is about the general norms that govern how we should make those choices. Not surprisingly, there is disagreement over what the “norms” are, but by working through such disagreement, we can learn how to make better choices.

James P. Sterba presents a general overview of ethics, using relevant examples and accessible arguments. He takes up the question of why we should be ethical or moral, discusses competing ethical theories and proposes a way to reconcile them, and considers the relationship between ethics and religion. Ultimately, he reveals how the material discussed in the book can be used to make better ethical choices in our day-to-day lives.

READERSHIP: First-year philosophy students

SERIES: WHAT IS PHILOSOPHY?

NOVEMBER 2019 160PP

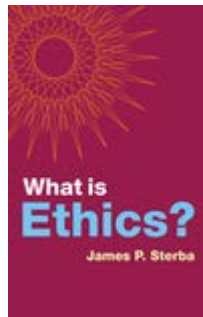
978-1-5095-3101-1 CL \$64.95 (Japan)

Ethics

NOVEMBER 2019 160PP

978-1-5095-3102-8 PB \$19.95 (Japan)

Ethics



Politics and Negation For an Affirmative Philosophy

ROBERTO ESPOSITO & Translator ZAKIYA HANAFI
University of Naples

For some while we have been witnessing a series of destructive phenomena which seem to indicate a full-fledged return to the negative on the world stage – from terrorism and armed conflict to the threat of environmental catastrophe. At the same time, politics seems increasingly impotent in the face of these threats.

In this book, the leading Italian philosopher Roberto Esposito reconstructs the genealogy of the reciprocal intertwining of politics and negation. He retraces the intensification of negation in the thought of various thinkers, from Schmitt and Freud to Heidegger, and examines the negative slant of some of our fundamental political categories, such as sovereignty, property and freedom. Against the centrality of negation, Esposito proposes an affirmative philosophy that does not negate or repress negation but radically rethinks it in the positive cipher of difference, determination and opposition. The result is a rigorous and original pathway which, in the tension between affirmation and negation, recognizes the disturbing traumas of our time, as well as the harbingers of what awaits at its limits.

READERSHIP: Graduate students and academics in philosophy, literary studies, cultural studies

NOVEMBER 2019 200PP

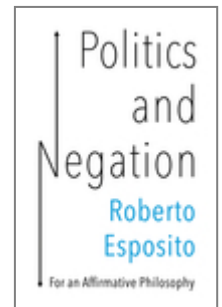
978-1-5095-3661-0 CL \$69.95 (Japan)

20th Century Philosophy

NOVEMBER 2019 200PP

978-1-5095-3662-7 PB \$24.95 (Japan)

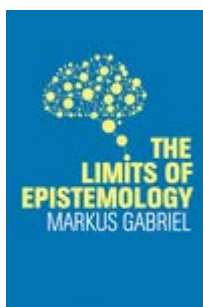
20th Century Philosophy



The Limits of Epistemology

MARKUS GABRIEL & Translator ALEX ENGLANDER

At the centre of modern epistemology lurks the problem of scepticism: how can we know that the forms of our cognition are compatible with the world? How can we state success conditions for knowledge claims without somehow transcending our discursive and fallible nature as knowers?



By distinguishing different forms of scepticism, Markus Gabriel shows how all objective knowledge relies on shared discourses and how the essential corrigibility of knowledge claims is a crucial condition of their objectivity. We should understand scepticism not so much as posing a threat, but as offering a vital lesson about the fallibility of discursive thinking. By heeding this lesson, we can begin to reintegrate the solipsistic subject of modern epistemology back into the community of actual knowers.

Taking his cue from Hegel, Wittgenstein and Brandom, Gabriel shows how intentionality as such is a public rather than a private phenomenon. He concedes that the sceptic can prove the necessary finitude of objective knowledge, but denies that this has to lead us into an aporia. Instead, it shows us the limits of the modern project of epistemology.

Through an examination of different kinds of sceptical paradoxes, Gabriel not only demonstrates their indispensable role within epistemological theorising, but also argues for the necessary failure of all totalizing knowledge claims. In this way, epistemology, as the discipline that claims knowledge about knowledge, begins to grasp its own fallibility and, as a result, the true nature of its objectivity.

READERSHIP: Students and scholars of contemporary continental philosophy, epistemology and philosophy of mind.

NOVEMBER 2019 448PP

978-1-5095-2566-9 CL \$79.95 (Japan)

Epistemology

NOVEMBER 2019 448PP

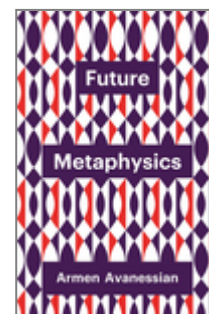
978-1-5095-2567-6 PB \$28.95 (Japan)

Epistemology

Future Metaphysics

ARMEN AVANESSIAN & Translator JAMES WAGNER

The triumph of technological rationality and of the sciences as a whole has by no means provided answers to humanity's great questions. Instead, it has raised new and old questions and problems. To orient ourselves in the twenty-first century, we must take a new look at the central categories of philosophy that, often unbeknownst to us, continue to shape our everyday thinking.



Future Metaphysics is an attempt at restating the importance of the great metaphysical categories for the present: how our contemporary predicament forces us both to reclaim them and to give them a radically new twist. Armen Avanesian re-examines and displaces categories like substance and accident, form and matter, life and death, giving them an unexpected twist. What if the idea of accident, for instance, had to take into account the many new kinds of glitches, crashes and crises – from finance to ecology, from technological catastrophes to social collapses – that permeate our culture and make everyday news? Can we keep on using this concept as it was traditionally meant to be used when risk and chance have become part of the very substance of our world, so rendering the distinction between substance and accident meaningless? The other concepts and distinctions require a similar interrogation, giving birth to a new metaphysical landscape, where the most urgent realities of the twenty-first century impinge on the most fundamental categories of thought.

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

SERIES: THEORY REDUX

NOVEMBER 2019 140PP

978-1-5095-3796-9 CL \$45.00 (Japan)

Metaphysics

NOVEMBER 2019 140PP

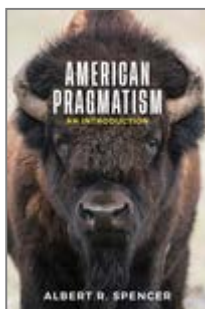
978-1-5095-3797-6 PB \$12.95 (Japan)

Metaphysics

American Pragmatism An Introduction

ALBERT R. SPENCER

In this comprehensive introduction, Albert Spencer presents a new story of the origins and development of American Pragmatism, from its emergence through the interaction of European and Indigenous American cultures to its contemporary status as a diverse, vibrant, and contested global philosophy.



Spencer explores the intellectual legacies of American Pragmatism's founders, Peirce and James, but also newly canonical figures, like Addams, Cordova, DuBois, and others crucial to its development. He presents the diversity of Pragmatism's old and new by weaving together familiar and unfamiliar authors through shared themes, such as fallibilism, meliorism, pluralism, verification, and hope. Throughout, Spencer reveals American Pragmatism's engagement with the consequences of U.S. political hegemony as versions of Pragmatism arise in response to both the tragic legacies and complicated benefits of colonialism.

READERSHIP: Undergraduates taking courses in American Philosophy or Pragmatism, as well as graduate students and scholars encountering the topic for the first time, and the general reader interested in this reasonably popular philosophical topic (in the US).

NOVEMBER 2019 224PP

978-1-5095-2471-6 CL \$69.95 (Japan)

Analytic Philosophy

NOVEMBER 2019 224PP

978-1-5095-2472-3 PB \$24.95 (Japan)

Analytic Philosophy

After God

PETER SLOTERDIJK & Translator IAN ALEXANDER MOORE
Karlsruhe School of Design

In his Critique of Cynical Reason, Peter Sloterdijk pursued an enlightenment of the Enlightenment in both its beginnings and the present. *After God* is dedicated to the theological enlightenment of theology. It ranges from the period when gods reigned, through the rule of the world-creator god to reveries about the godlike power of artificial intelligence. The path of this self-enlightening theology, which is carried out here by a non-theologian, must begin well before Nietzsche's declaration of the death of God, and it must move beyond this dictum to explore the present and the future.



Since the early 20th century we have seen how the metaphysical twilight of the gods, which has preoccupied philosophers and theologians, has been accompanied by an earthly twilight of the souls. The emergence of psychoanalysis, and more recently the development of the neuro-cognitive sciences, have secularized the old Indo-European concept of the soul and transferred many accomplishments of the human mind to computerized machines. What remains of the eternal light of the soul after the artificial lights have been turned on? Have the inventors of AI thrust themselves into the position vacated by the death of god? Perhaps the distinction between God and idols will soon re-emerge here for the citizens of modernity, only this time in a technological and political register. For them, theological enlightenment – which is completely different from an instinctive rejection of religion – will be a fateful task.

READERSHIP: Students, scholars and general readers interested in philosophy, religion and political theory.

NOVEMBER 2019 280PP

978-1-5095-3350-3 CL \$69.95 (Japan)

Philosophy of Religion

NOVEMBER 2019 280PP

978-1-5095-3351-0 PB \$24.95 (Japan)

Philosophy of Religion

政治学

The Return of the Russian Leviathan

SERGEI MEDVEDEV

Russia's relationship with its neighbours and with the West has worsened dramatically in recent years. Under Vladimir Putin's leadership, the country has annexed Crimea, begun a war in East Ukraine, used chemical weapons on the streets of the UK and created an army of Internet trolls to meddle in the US presidential elections. How should we understand this apparent relapse into aggressive imperialism and militarism?



In this lively and well-informed account, the Russian sociologist and political scientist Sergei Medvedev sets out to explain the unexpected transformation of the country during Putin's third term in office, from 2012 to 2018. He argues that this new wave of Russian nationalism is the result of mentalities that have long been embedded within the Russian psyche. Whereas in the West, the turbulent social changes of the 1960s and a rising awareness of the legacy of colonialism have modernized attitudes, Russia has been stymied by an enduring sense of superiority over its neighbours alongside a painful nostalgia for empire. It is this infantilized and irrational worldview that Putin and others have exploited, as seen most clearly in Russia's recent foreign policy decisions. In the annexation of Crimea, Medvedev shows how patriotic rhetoric served to trump considerations of political or human cost. Inciting nationalist fervour may have been an effective way to consolidate Putin's power within the Kremlin but it fractured relations with the West and it can only mask for so long the inability of the state to address the myriad of social and economic challenges facing Russia today.

READERSHIP: This book will be of interest to anyone interested in Russian politics and society today.

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978-1-5095-3604-7 CL \$69.95 (Japan)

European Politics

NOVEMBER 2019 140PP

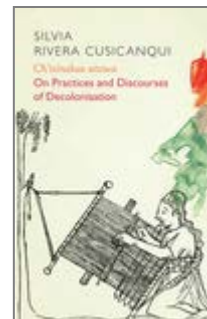
978-1-5095-3605-4 PB \$24.95 (Japan)

European Politics

Ch'ixinakax utxiwa On Decolonising Practices and Discourses

SILVIA RIVERA CUSICANQUI & Translator MOLLY GEIDEL

The Bolivian scholar and activist Silvia Rivera Cusicanqui is a pre-eminent Latin American intellectual, world renowned for her work in postcolonial and subaltern studies. She has long maintained that we must acknowledge how colonial structures of domination continue to affect indigenous identities and cultures. Even in contexts where diversity and the value of indigenous cultures have been officially recognized, "internal colonialism" operates as a structure that shapes mental categories and social practices.



This book considers this persistent colonial structure by examining artistic and popular practices of apprehending and resisting it, arguing that in Andean cultures there is a sustained practice of insubordinate image production and use. Combining this visual history with other instances of political resistance, the book offers an alternative narrative to the history of Latin American decolonisation. This narrative challenges the common conception that mestizaje (race-mixing) and hybridity are liberatory formations, offering instead a new theorisation of the complex racial configurations produced by colonialism and its afterlives.

Given Rivera Cusicanqui's vital contribution to critical epistemologies, this book will be of great interest to students and scholars throughout the humanities and social sciences and to everyone concerned with the key questions of critical theory today.

READERSHIP: This book will be of great interest to students and scholars throughout the humanities and social sciences and to everyone concerned with the key questions of critical theory and postcolonialism today.

SERIES: CRITICAL SOUTH

NOVEMBER 2019 80PP

978-1-5095-3782-2 CL \$49.95 (Japan)

Colonialism & Imperialism

NOVEMBER 2019 80PP

978-1-5095-3783-9 PB \$14.95 (Japan)

Colonialism & Imperialism

Should Animals Have Political Rights?

ALASDAIR COCHRANE

All political communities must make decisions about how to regulate the treatment of animals. Most states currently protect animals through outlawing the infliction of 'unnecessary suffering'. But do animals' rights end there?

In this book, Alasdair Cochrane argues that states must go much further. Animals have rights to be protected not only from the cruelty of individuals, but also from those structures and institutions which routinely (and, in some cases, necessarily) cause them harm, such as industrialised animal agriculture. But even that isn't adequate. In order to ensure that their interests are taken seriously, it is imperative that we represent their interests throughout the political process – they require not only rights to protection, but also to democratic membership.

Cochrane's important intervention in this controversial debate will be essential reading for anyone interested in the intersection of political theory and animal rights.

READERSHIP: Students and scholars of political theory, animal studies and applied ethics.

SERIES: POLITICAL THEORY TODAY

NOVEMBER 2019 140PP

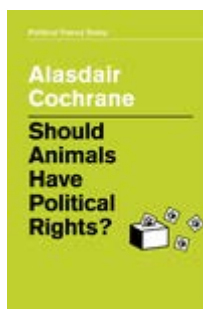
978-1-5095-3005-2 CL \$45.00 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 140PP

978-1-5095-3006-9 PB \$12.95 (Japan)

Political Philosophy & Theory



Resident Foreigners A Philosophy of Migration

DONATELLA DI CESARE

From the shores of Europe to the Mexican-US border, mass migration is one of the most pressing issues we face today. Yet at the same time, calls to defend national sovereignty are becoming ever more vitriolic, with those fleeing war, persecution, and famine vilified as a threat to our security as well as our social and economic order.

In this book, written amidst the dark resurgence of appeals to defend 'blood and soil', Donatella Di Cesare challenges the idea of the exclusionary state, arguing that migration is a fundamental human right. She develops an original philosophy of migration that places the migrants themselves, rather than states and their borders, at the centre. Through an analysis of three historic cities, Athens, Rome and Jerusalem, Di Cesare shows how we should conceive of migrants not as an other but rather as resident foreigners. This means recognising that citizenship cannot be based on any supposed connection to the land or an exclusive claim to ownership that would deny the rights of those who arrive as migrants. Instead, citizenship must be disconnected from the possession of territory altogether and founded on the principle of cohabitation – and on the ultimate reality that we are all temporary guests and tenants of the earth.

READERSHIP: A wide general readership of those concerned with the challenges posed by migration and with the increasingly hostile attitudes towards migrants, as well as students and scholars of philosophy and political theory.

NOVEMBER 2019 260PP

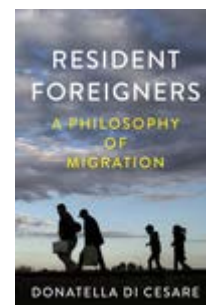
978-1-5095-3354-1 CL \$69.95 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 260PP

978-1-5095-3355-8 PB \$26.95 (Japan)

Political Philosophy & Theory



Twenty-First Century Socialism

JEREMY GILBERT

Socialism cannot, however, remain static if it is going to save civilisation from these catastrophes. In this urgent manifesto for a 21st century left, Jeremy Gilbert shows that we need a revitalised socialist politics that learns from the past to adapt to contemporary challenges. He argues that socialism must overcome its industrial origins and give priority to an environmental agenda. In an age of global networks, digital technology and instant communication, central government diktat and restrictions on free speech and movement must be jettisoned. We need to control the economy rather than let it control us - but we must do this by empowering workers, citizens and communities to run their world their way.

READERSHIP: General readers interested in socialism, the Labour Party, the left etc.

SERIES: RADICAL FUTURES

NOVEMBER 2019 140PP

978-1-5095-3655-9 CL \$45.00 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 140PP

978-1-5095-3656-6 PB \$12.95 (Japan)

Political Philosophy & Theory



Can Liberal States Accommodate Indigenous Peoples?

DUNCAN IVISON

The original – and often continuing – sin of countries with a settler colonial past is their brutal treatment of indigenous peoples. This challenging legacy continues to confront modern liberal democracies ranging from the USA and Canada to Australia, New Zealand and beyond.

Duncan Ivison's book considers how these states can justly accommodate indigenous populations today. He shows how indigenous movements have gained prominence in the past decade, driving both domestic and international campaigns for change. He examines how the claims made by these movements challenge liberal conceptions of the state, rights, political community, identity and legitimacy. Interweaving a lucid introduction to the debates with his own original argument, he contends that we need to move beyond complaints about the 'politics of identity' and towards a more historically and theoretically nuanced liberalism better suited to our times.

READERSHIP: Students and scholars of political theory and philosophy, as well as the study of indigenous peoples.

SERIES: POLITICAL THEORY TODAY

NOVEMBER 2019 140PP

978-1-5095-3297-1 CL \$45.00 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 140PP

978-1-5095-3298-8 PB \$12.95 (Japan)

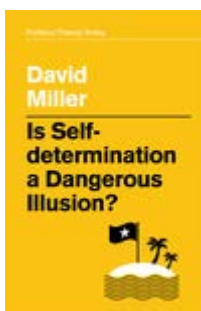
Political Philosophy & Theory



Is Self-Determination a Dangerous Illusion?

DAVID MILLER

Claims to self-determination are rife in world politics today. They range from Scottish and Catalan campaigns for independence to calls for the devolution of power to regions and cities. But what does self-determination actually mean? Is it meaningful or desirable in the 21st century, or merely a dangerous illusion?



In this book, David Miller mounts a powerful defence of political self-determination. He explains why it is valuable and examines how groups must be constituted if they are to have the capacity to be self-determining, arguing that geographic proximity alone is not enough: group members must also identify with each other. He then explores the different political forms that self-determination can take and suggests some realistic constraints on how it can be achieved in a complex multicultural and multinational world. He concludes that it is still both feasible and important for people to regain control over their environment by exercising their collective agency.

READERSHIP: Students and scholars of political theory and philosophy, as well as general readers interested in the theoretical issues raised by the Brexit vote and secessionist and nationalist movements around the world.

SERIES: POLITICAL THEORY TODAY

NOVEMBER 2019 140PP

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NOVEMBER 2019 140PP

978-1-5095-3347-3 PB \$12.95 (Japan)

Political Philosophy & Theory

Prefigurative Politics Building Tomorrow Today

PAUL RAEKSTAD & SOFA SAIO GRADIN

Many of us wonder what we could possibly do to end oppression, exploitation, and injustice. People have studied revolutions and protest movements for centuries, but few have focused on prefigurative politics, the idea of 'building the new society within the shell of the old'.



Fed up with capitalism? Get organised and build the institutions of the future in radical unions and local communities. Tired of politicians stalling on climate change? Take matters into your own hands and set up an alternative energy collective. Ready to smash racism and the patriarchy? Root them out in all areas of our lives, not just in 'high politics'.

This is the first book dedicated to prefigurative politics. It explains the history of this concept and looks at the various dilemmas and debates surrounding it. How can collective decision-making be inclusive? In what ways are movements intersectional? Can prefigurative organisations scale up? Linking these issues into current debates about state power and identity politics, this is a book not just about understanding the world, but about how to change it. It is a must-read both for students of radical politics, anarchism and social movements, as well as activists and concerned people everywhere.

READERSHIP: Students and scholars of radical political theory, anarchism, social movements, and social and political change.

NOVEMBER 2019 180PP

978-1-5095-3590-3 CL \$64.95 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 180PP

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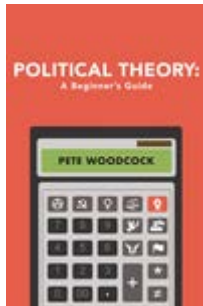
Political Philosophy & Theory

Political Theory

A Beginner's Guide

PETE WOODCOCK

In this highly accessible and engaging new introductory textbook, Pete Woodcock examines all these questions and more in a compact outline of the basics of political theory. He takes students step-by-step through the most important answers given by history's most famous thinkers to the most fundamental questions in politics, covering topics ranging from liberty and justice to gender and revolution.



This new 101 guide to the basics of political theory contains all the essentials for students starting out in political theory, while never being dull. It contains a range of features, including textboxes, study questions and activities, to help students learn effectively. It will be core reading for anyone doing an introductory course in political theory.

READERSHIP: Students of political theory and the history of political thought doing courses such as 'Introduction to Political Theory' or 'Great Political Thinkers' or similar.

NOVEMBER 2019 176PP

978-1-5095-3133-2 CL \$69.95 (Japan)

Political Philosophy & Theory

NOVEMBER 2019 176PP

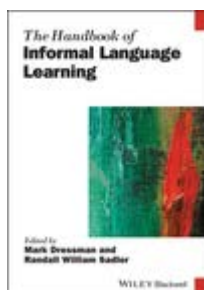
978-1-5095-3134-9 PB \$24.95 (Japan)

Political Philosophy & Theory

The Handbook of Informal Language Learning

MARK DRESSMAN & RANDALL WILLIAM SADLER

Authored by a prominent team of international experts in their respective fields, *The Handbook of Informal Language Learning* is a one-of-a-kind reference work and it is a timely and valuable resource for anyone looking to explore informal language learning outside of a formal education environment. It features a comprehensive collection of cutting edge research areas exploring the cultural and historical cases of informal language learning, along with the growing area of digital language learning, and the future of this relevant field in national development and language education.



The Handbook of Informal Language Learning examines informal language learning from both theoretical and practical perspectives. Structured across six sections, chapters cover areas of motivation, linguistics, cognition, and multimodality; digital learning, including virtual contexts, gaming, fanfiction, vlogging, mobile devices, and nonformal programs; and media and live contact, including learning through environmental print, tourism/study abroad. The book also provides studies of informal learning in four national contexts, examines the integration of informal and formal classroom learning, and discusses the future of language learning from different perspectives.

- Edited by respected researchers of computer-mediated communication and second language learning and teacher education
- Features contributions by leading international scholars reaching out to a global audience
- Presents an exciting and progressive selection of chapters in a rapidly expanding field of research and teaching
- Provides a state-of-the-art collection of the theories, as well as the historical, cultural and international cases relating to informal language learning and its future in a digital age
- Covers 30 key topics that represent pioneering findings and new research

The Handbook of Informal Language Learning is an essential resource for researchers, students, and professionals in the fields of language acquisition, English as a second language, and foreign language education.

SERIES: BLACKWELL HANDBOOKS IN LINGUISTICS
NOVEMBER 2019 550PP

978-1-119-47244-5 CL \$195.00 (Japan)

Language Acquisition & Development

NOVEMBER 2019

978-1-119-47238-4 [Wiley Online Library](#)

Social Psychology of Helping Relations Solidarity and Hierarchy

ARIE NADLER

This unique book extends the traditional emphasis on interpersonal help-giving in order to consider a wider spectrum of interpersonal and intergroup helping relations. Help giving is viewed as reflecting people's care for others, while at the same time dependency on help and giving help imply lower and higher places on the social hierarchy, respectively. It studies the psychology of what goes into helping someone and integrates experimental work conducted in the social psychological laboratory with applied research from volunteer organizations, schools, and work and family environments. In addition to research on the giving of help, the book considers the recipient of help and reviews research and theory on people's readiness to seek and receive help. Unlike much of past research in this context that has been interested in the "generosity question" (i.e., whether or not people help others) the book how different kinds of assistance (i.e., autonomy and dependency-oriented help) shape helping interactions. It then goes beyond the analyses of the immediate helping interaction to consider the long-term consequences of giving and receiving help.

Social Psychology of Helping Relations: Solidarity and Hierarchy begins with a general introduction to the topic. It then offers a series of broad perspectives, covering the philosophical and psychological theory, evolution, and overview of social psychological research. Next, the book looks at the social psychology of helping relations, examining the parties involved, the timing of their involvement, and the "why" behind their actions. The positives and negatives of giving and receiving assistance are also covered, as is the social structure of helping. The book addresses the links between status and interpersonal and intergroup helping relations. It considers how giving, seeking and receiving help maintains or challenges status relations between individuals and groups. The book finishes with a conclusion that wraps up the many lessons learned.

- Looks at solidarity and inequality in social interactions
- Examines why people are ready to give and receive help
- Studies the consequences of giving and receiving help
- Highlights important implications to different kinds of help beyond the dichotomy between giving/receiving help or not
- Addresses research and theory on interpersonal and intergroup helping relations
- The implications of helping relations for personal and social change

Social Psychology of Helping Relations: Solidarity and Hierarchy is an ideal book for advanced students, researchers and individuals interested in social psychology, counselling, social work, Sociology, and Political Science.

SERIES: CONTEMPORARY SOCIAL ISSUES
NOVEMBER 2019 240PP

978-1-118-52151-9 CL \$99.95 (Japan)

Social Psychology

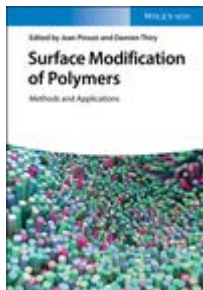
DECEMBER 2019

978-1-118-52142-7 [Wiley Online Library](#)

Surface Modification of Polymers Methods and Applications

JEAN PINSON & DAMIEN THIRY

Functionalization of polymer surfaces is often required for applications in sensors, medical devices and others. This reference presents the most important methods for the introduction of new functionalities. A high-quality resource for everyone working in the field.



NOVEMBER 2019 432PP

978-3-527-34541-0 CL \$205.00

(Japan)

Polymer Processing

NOVEMBER 2019

978-3-527-81924-9 **Wiley Online Library**

宗教

Judaism For Dummies 2nd Edition

TED FALCON & DAVID BLATNER

Whether you're interested in the religion or the spirituality, the culture or the ethnic traditions, *Judaism For Dummies* explores the full spectrum of Judaism, dipping into the mystical, meditative, and spiritual depth of the faith and the practice.

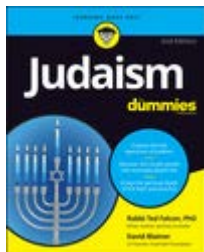
In this warm and welcoming book, you'll find coverage of: Orthodox Jews and breakaway denominations; Judaism as a daily practice; the food and fabric of Judaism; Jewish wedding ceremonies; celebrations and holy days; 4,000 years of pain, sadness, triumph, and joy; great Jewish thinkers and historical celebrities; and much more.

- Updates to the "recent history" section with discussions of what has happened in the first decade of the twenty-first century including: the expansion of orthodox political power in Israel; expansion of interfaith work; unfortunate recent anti-Semitic events; and other news
- Expanded coverage of Jewish mysticism and meditation, which has become increasingly popular in recent years
- New coverage on Jewish views of morality, including birth control, homosexuality, and environmental concerns
- Revised recipes for traditional Jewish cooking, updated key vocabulary, and Yiddish phrases everyone should know

Jews have long spread out to the corners of the world, so there are significant Jewish communities on many continents. *Judaism For Dummies* offers a glimpse into the rituals, ideas, and terms that are woven into the history and everyday lives of Jewish people as near as our own neighborhoods and as far-reaching as across the world.

Judaism For Dummies (9781119643074) was previously published as *Judaism For Dummies* (9781118407516). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product.

NOVEMBER 2019 432PP

978-1-119-64307-4 PB \$22.99 (Japan)*Judaism*

The Wiley Blackwell Concise Companion to the Hadith

DANIEL W. BROWN
Independent Scholar

The source of much of our knowledge of the first two centuries of Islamic history, the hadith literature is made up of thousands of traditions collected during the formative years of Islam. Alongside the Qur'an, the hadith forms a second major body of Islamic scripture, and much of Islamic belief and practice rests on the hadith including Islamic law, Islamic theology, Qur'anic interpretation, political thought, and personal behavior. Yet despite its importance to Muslims worldwide and its indispensable role as a source for early Islamic history, the hadith remains unexplored territory for many non-specialist readers.

The Wiley Blackwell Companion to the Hadith is a concise yet comprehensive overview of both Islamic and Western traditions of hadith study, offering up-to-date scholarship and providing readers with an essential guide to this distinctive aspect of Islam. Written by a multidisciplinary team of distinguished scholars, the Companion discusses questions of authenticity, epistemology and authority in the hadith and explores the relationship of the hadith literature to other ways of transmitting knowledge and establishing authority.

- Covers the origins of hadith, the application of hadith within the Islamic intellectual tradition, and contemporary revaluations of hadith literature
- Addresses developments in modern scholarship about the origins of Islam and Islamic law which are rooted in a revaluation of hadith
- Presents new and groundbreaking research from international scholars from divergent perspectives to present an accurate and lively overview of the field
- Explores the emergence of skepticism about hadith among western scholars
- Surveys the evolution of a wide range of approaches to hadith among modern Muslims

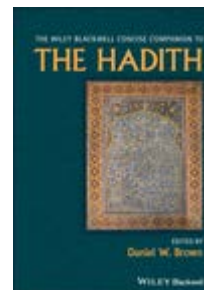
Filling a significant gap in current literature in the field, *The Wiley Blackwell Companion to the Hadith* is a valuable resource for students, scholars, and researchers in Islamic studies, Islamic law, history, and theology.

SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

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Amherst College, USA

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- Delves into 'religion as lived,' an approach that asks about the everyday lives of ordinary people and the material cultures that they construct and experience
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Old Testament

セルフヘルプ

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Free of technical jargon and brimming with practical tips and advice, *Feng Shui For Dummies* shows you how to feel and access the energy of your environment and create harmony and happiness in your life.

Feng Shui For Dummies (9781119643166) was previously published as *Feng Shui For Dummies* (9780470769324). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product.

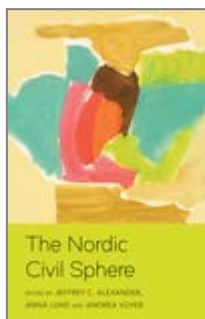
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The Nordic Civil Sphere

Editor JEFFREY C. ALEXANDER, Editor ANNA LUND & Editor ANDREA VOYER
University of California, Los Angeles

The civil sphere is a distinctively democratic field in modern societies, one that sustains universalizing cultural aspirations and organizational structures and that has tense and uncertain boundaries with other spheres of social life, like the economy, religion, family, and state. Unlike the latter, which are more particularistic and hierarchical in character, the civil sphere defines itself in terms of solidarity – the feeling of being connected with every other person in the collectivity. The utopian ideals of democratic solidarity shape every modern society, even if they are often compromised by the messy realities of social life.



This volume uses the theory of the civil sphere to shed new light on Nordic societies, while at the same time drawing on the distinctive experiences of the Nordic nations to reflect on and advance the theory of the civil sphere. Nordic societies have long been admired for creating a distinctive form of social democracy, but this admirable achievement has not been well conceptualized theoretically. Most attempts to explain Nordic social democracy focus on material and organizational factors. This volume, by contrast, emphasizes the cultural foundations and characteristics of social democracy, demonstrating how civil sensibilities are necessary for the creation of an egalitarian and democratic state. Nordic civil spheres, however, are not only pro-civil but also white in color, European in ethnicity, secular in character and gender-equal in a subtly restrictive manner. Such primordialization of state civility is vividly on display in the sometime tense relationships that develop among natives and “foreigners” in Nordic countries, relationships that expose the primordial undersides of the social democratic codes and civil values that constitute the Nordic civil sphere.

READERSHIP: Students and scholars in sociology, politics and related disciplines.

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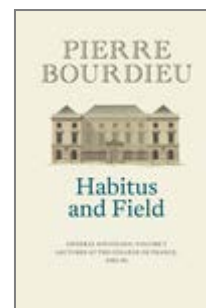
General Sociology

Habitus and Field

General Sociology
Volume 2

PIERRE BOURDIEU & Translator PETER COLLIER
College de France

This is the second of five volumes based on the lectures given by Pierre Bourdieu at the Collège de France in the early 1980s under the title ‘General Sociology’. In these lectures, Bourdieu sets out to define and defend sociology as an intellectual discipline, and in doing so he introduces and clarifies all the key concepts which have come to define his distinctive intellectual approach.



In this volume, Bourdieu focuses on two of his most important and influential concepts: habitus and field. For the social scientist, the object of study is neither the individual nor the group but the relation between these two manifestations of the social in bodies and in things: that is, the obscure, dual relation between the habitus – as a system of schemas of perception, appreciation and action – and the field as a system of objective relations and a space of possible actions and struggles aimed at preserving or transforming the field. The relation between the habitus and the field is a two-way process: it is a relation of conditioning, where the field structures the habitus, and it is also a relation of knowledge, with the habitus helping to constitute the field as a world that is endowed with meaning and value. The specificity of social science lies in the fact that it takes as its object of knowledge a reality that encompasses agents who take this same reality as the object of their own knowledge.

READERSHIP: Scholars and students of sociology, anthropology, media and cultural studies, and the social sciences and humanities generally.

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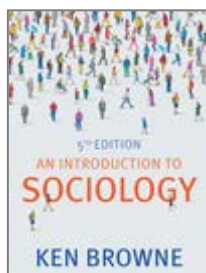
General Sociology

An Introduction to Sociology 5th Edition

KEN BROWNE

North Warwickshire and Hinckley College

Building on the book's existing achievements, Ken Browne has restructured the fifth edition to focus on the core issues in sociology considered in introductory courses. The book covers all the topics and options specified by the GCSE and IGCSE examining boards, including the required classic texts and theoretical perspectives which are helpfully applied throughout the chapters. The new edition has been completely updated to reflect contemporary social changes, including the latest statistics and topical illustrative examples. New material is to be found throughout, such as more extensive treatment of family and household diversity, the marketization of education, social inequality, the control and prevention of crime, and the effects of new media technologies.



Carefully designed to support and extend students' learning, a number of features – such as a range of activities, questions and discussion points – add to the book's value as a learning and teaching resource. Explanatory graphics, photographs and cartoons also enliven the text, presenting sociology as an exciting and relevant topic to students of all ages, interests and abilities.

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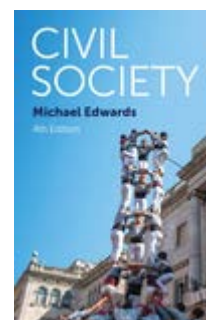
General Sociology

Civil Society 4th Edition

MICHAEL EDWARDS

Ford Foundation's Governance and Civil Society Program

Recent economic and political developments do not bode well for the theory and practice of civil society: communities are increasingly divided; inequality is on the rise; authoritarians and populists have gained a foothold even in advanced democracies; restrictions on freedom of speech and association are increasingly common and trust in charities has declined as a result of recent scandals. Worryingly, public spheres seem incapable of addressing these concerns. Yet as Michael Edwards makes clear, ideas about the civil sphere can shed much light on what is happening, why, and how we might respond to polarization, privatization, and authoritarians of different various stripes.



Fully updated to take account of recent additions to the literature on digital culture, democracy, philanthropy, and public work. Civil Society will be required reading for anyone who is interested in creating a better world through voluntary citizen action.

READERSHIP: first-year undergraduates and above in politics, political sociology, public policy, development studies, international relations, and the informed general reader

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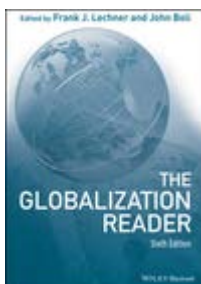
Political Sociology

The Globalization Reader

6th Edition

FRANK J. LECHNER & JOHN BOLI
Emory University; Emory University

Since its initial publication, The Globalization Reader has been lauded for its comprehensive coverage of the issues surrounding globalization. Now in its sixth edition, the Reader has been thoroughly revised and updated and continues to review the most important global trends. Including readings by a variety of authors, the text offers a wide-ranging and authoritative introduction to the political, economic, cultural, and experiential aspects of globalization.



The updated sixth edition presents the most accessible and comprehensive review of current debates and research. Contributions from scholars, activists, and organizations provide balanced viewpoints and expert coverage of the many aspects of globalization. The Globalization Reader offers readings on an exciting range of new topics as well as retaining key globalization topics such as the experience of globalization, economic and political globalization, the role of media and religion in cultural globalization, women's rights, environmentalism, global civil society, and the alternative globalization movement. This important resource:

- Covers the many complex dimensions of globalization
- Includes contributions from many of the most prominent globalization scholars
- Presents concise and informative introductions to each major topic
- Offers compelling discussion questions for each section
- Contains readings on a variety of new topics such as migration, medical tourism, state policy regarding abortion and same-sex sexual relations, the UN Global Compact, climate justice, and more

Written for students in undergraduate and graduate courses in sociology, political science, anthropology and geography, the revised sixth edition covers courses such as globalization, comparative political economy, international relations and similar topics.

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Sociology of Globalization

Structural Equation Modeling Applications Using Mplus 2nd Edition

JICHUAN WANG & XIAOQIAN WANG

Children's National Medical Center, The George Washington University, USA; Mobley Group Pacific Ltd., P.R. China

Structural Equation Modeling: Applications Using Mplus 2nd edition is intended as both a teaching resource and a reference guide. Written in non-mathematical terms, this book focuses on the conceptual and practical aspects of Structural Equation Modeling (SEM). Basic concepts and examples of various SEM models are demonstrated along with updates on recently developed advanced methods, such as bifactor modeling and multiple imputation of missing values.

The statistical modeling program, Mplus Version 7 is featured with all models updated and provides researchers with a flexible tool to analyze their data with an easy-to-use interface and graphical displays of data and analysis results.

Key features:

- Presents a useful reference guide for applications of SEM whilst systematically demonstrating various advanced SEM models.
- Discusses and demonstrates various SEM models using both cross-sectional and longitudinal data with both continuous and categorical outcomes.
- Provides step-by-step instructions of model specification and estimation, as well as detailed interpretation of Mplus results using real data sets.
- Explores different methods for sample size estimate and statistical power analysis for SEM.

By following the examples provided in this second edition, readers will be able to build their own SEM models using Mplus. Teachers, graduate students, and researchers in social sciences and health studies will also benefit from this book.

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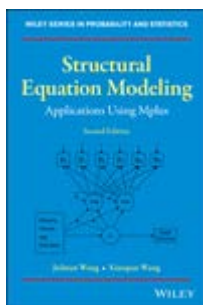
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OCTOBER 2019

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SAS for R Users A Book for Data Scientists

AJAY OHRI

SAS and R are widely-used, very different software environments. Prized for its statistical and graphical tools, R is an open-source programming language that is popular with statisticians and data miners who develop statistical software and analyze data. SAS (Statistical Analysis System) is the leading corporate software in analytics thanks to its faster data handling and smaller learning curve. SAS for R Users enables entry-level data scientists to take advantage of the best aspects of both tools by providing a cross-functional framework for users who already know R but may need to work with SAS.

Those with knowledge of both R and SAS are of far greater value to employers, particularly in corporate settings. Using a clear, step-by-step approach, this book presents an analytics workflow that mirrors that of the everyday data scientist. This up-to-date guide is compatible with the latest R packages as well as SAS University Edition. Useful for anyone seeking employment in data science, this book:

- Instructs both practitioners and students fluent in one language seeking to learn the other
- Provides command-by-command translations of R to SAS and SAS to R
- Offers examples and applications in Both R and SAS
- Presents step-by-step guidance on workflows, color illustrations, sample code, chapter quizzes, and more
- Includes sections on advanced methods and applications

Designed for professionals, researchers, and students, SAS for R Users is a valuable resource for those with some knowledge of coding and basic statistics who wish to enter the realm of data science and business analytics.

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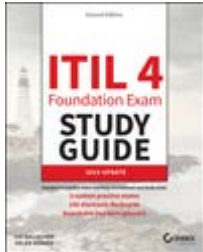
テストプレップ

ITIL 4 Foundation Exam Study Guide

2018 Update
2nd Edition

LIZ GALLACHER & HELEN MORRIS

The Information Technology Infrastructure Library (ITIL) is a set of best practices for IT service and management. ITIL certification is gained through examination administered by AXELOS, the body established to develop, manage, and operate qualifications in best practice. Foundation certification--as well as subsequent Intermediate, Expert, and Master-level certification--is sought by employers throughout the IT industry. The ITIL 4 Foundation Exam Study Guide is the leading resource for anyone preparing for certification.



Written by accredited ITIL trainers and Certified ITIL Experts, this up-to-date second edition is organized around the latest 2018 ITIL Foundation syllabus. Six sections offer complete and accurate coverage of IT service management and ITIL service strategy, design, transition, operation, and continual improvement. New coverage of DevOps, Agile, and Lean reflects the most current exam objectives. Self-assessment tests, exam essentials, review questions, chapter summaries, practice exams, and more enable readers to be fully prepared for exam day. Based on the authors' real-world experience teaching ITIL students, this guide:

- Covers 100% of the Foundation exam objectives in clear, concise language
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- Uses tables, flowcharts, illustrations, bulleted lists, and highlighted key learning points to strengthen reader comprehension and retention
- Includes access to an online test bank of valuable study tools, including practice exams, flashcards, and a glossary of key terms

Designed specifically for readers who prefer self-study rather than expensive prep courses, ITIL 4 Foundation Exam Study Guide: 2018 Update is a must-have book for candidates preparing to take the exam as well as anyone interested in IT service management.

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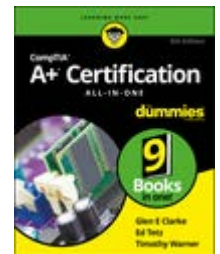
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