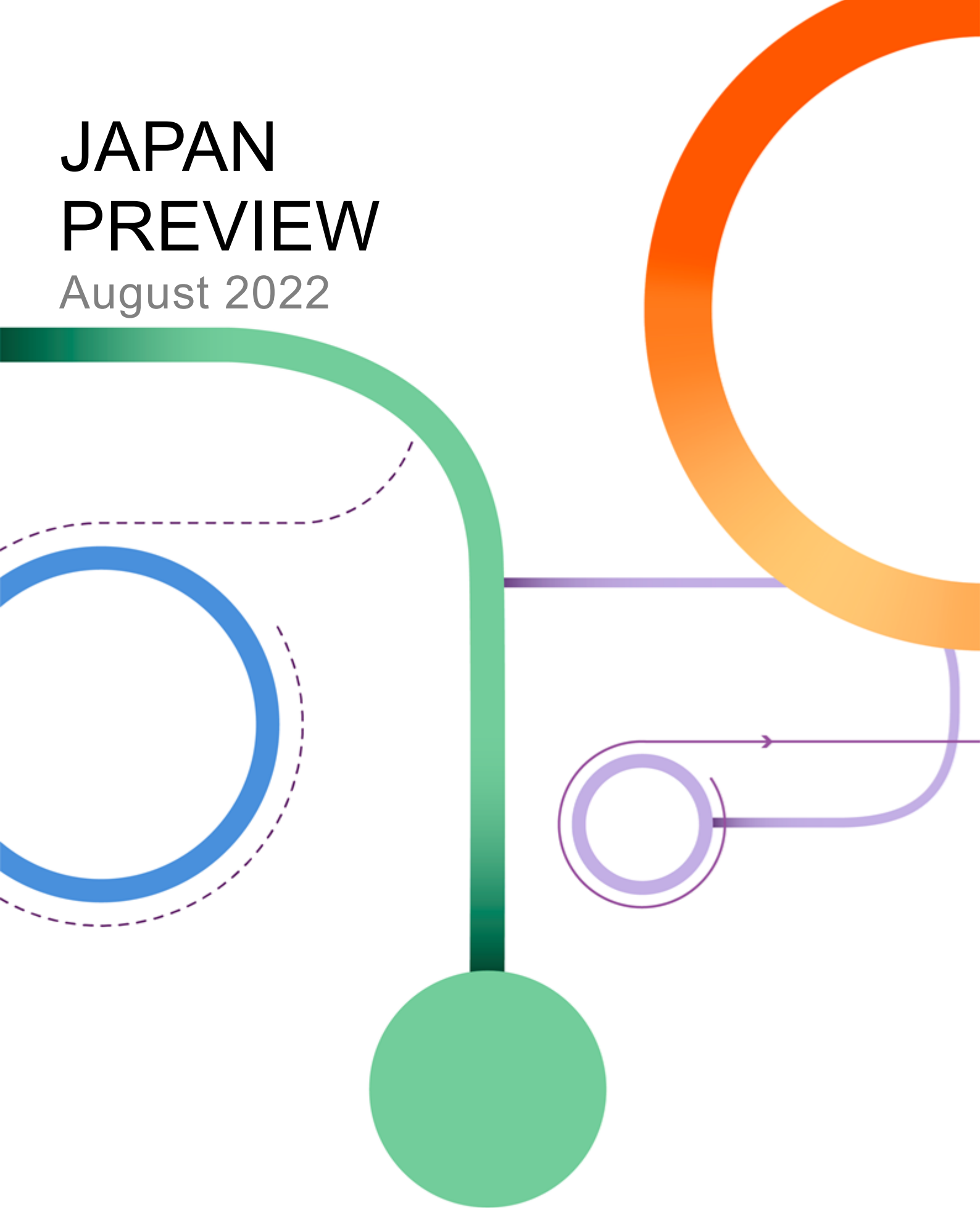


JAPAN PREVIEW

August 2022



WILEY

PICK OF THE MONTH ~ 今月のお勧めタイトル**Asymmetric Organocatalysis : New Strategies, Catalysts, and Opportunities, 2 Volumes**

Editor LUKASZ ALBRECHT, Editor ANNA ALBRECHT & Editor LUCA DELL'AMICO

→P27

Organic Syntheses, Volume 98

Editor CHRIS H. SENANAYAKE

→P30

Introduction to Translation and Interpreting Studies

ALINE FERREIRA & JOHN W. SCHWIETER

University of California Santa Barbara, USA; Wilfrid Laurier University, Waterloo, Canada

→P57

Microbe : 3rd Edition (ASM)

MICHELE S. SWANSON, ELIZABETH A JOYCE & RACHEL HORAK

→P59

Elementary Differential Equations and Boundary Value Problems:12th Edition, International Adaptation

WILLIAM E. BOYCE, RICHARD C. DIPRIMA & DOUGLAS B. MEADE

Rensselaer Polytechnic Institute; University of South Carolina - Columbia

→P63

Sodium-Ion Batteries : Materials, Characterization, and Technology, 2 Volumes

EDITOR MARIA-MAGDALENA TITIRICI, EDITOR PHILIPP ADELHELM & EDITOR YONG SHENG HU

Queen Mary, University of London, School of Engineering and Materials Science, London, UK

→P73

Quantum Mechanics : Concepts and Applications, 3rd Edition

NOUREDINE ZETILLI

Jacksonville State University, USA

→P75

This Is Modern Philosophy : An Introduction (再掲載)

KURT SMITH

→P77

JAPAN PREVIEW

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農業

The Digital Agricultural Revolution

Innovations and Challenges in Agriculture through Technology Disruptions

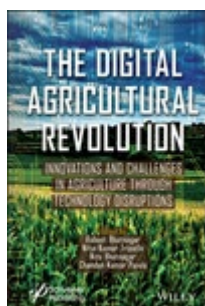
EDITOR ROHEET BHATNAGAR, EDITOR NITIN KUMAR TRIPATHI,
EDITOR CHANDAN KUMAR PANDA & EDITOR NITU BHATNAGAR

The book integrates computational intelligence, applied artificial intelligence, and modern agricultural practices and will appeal to scientists, agriculturists, and those in plant and crop science management.

There is a need for synergy between the application of modern scientific innovation in the area of artificial intelligence and agriculture, considering the major challenges from climate change consequences viz. rising temperatures, erratic rainfall patterns, the emergence of new crop pests, drought, flood, etc. This volume reports on high-quality research (theory and practice including prototype & conceptualization of ideas, frameworks, real-world applications, policy, standards, psychological concerns, case studies, and critical surveys) on recent advances toward the realization of the digital agriculture revolution as a result of the convergence of different disruptive technologies.

Audience

Researchers in computer science, artificial intelligence, electronics engineering, agriculture automation, crop management, and science.



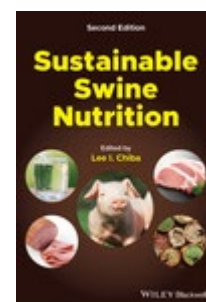
AUGUST 2022 496PP
978-1-119-82333-9 CL \$225.00 (Japan)
Agricultural Engineering

Sustainable Swine Nutrition

2nd Edition

EDITOR LEE I. CHIBA
Auburn University, USA

As climate change continues to have a significant impact on the modern world, it is crucial to find alternative sources of energy and nutrients for swine production. The development of optimal feeding revolves around a multitude of considerations—genetic variations in the pig, variability, availability, and stability of nutrients in feed ingredients, interactions among nutrients and non-nutritive factors, voluntary feed intake, physical (& social) environment of pigs, and more. Establishing the ideal network of factors will only grow in importance as humans assess the methods for our own food networks.



Sustainable Swine Nutrition is a comprehensive book on swine nutrition, covering some fundamental aspects of nutrition—namely digestive physiology, water, protein or amino acids, lipids, carbohydrates, energy metabolism, vitamins, minerals, and nutrition and immunology. Providing the most up-to-date information on each of these areas, a major emphasis of this second edition is on recent developments and current advances in the field, with a focus on pertinent issues linked with energy and nutrients. In doing so, the book highlights topics and issues that can contribute to the ultimate goal of successful and sustainable swine production.

Sustainable Swine Nutrition, Second Edition, is an ideal resource for livestock scientists and industry professionals involved in all aspects of pork production.

AUGUST 2022 752PP
978-1-119-58389-9 CL \$199.95 (Japan)
ANIMAL AGRICULTURE

建築学

The Architect's Studio Companion

Rules of Thumb for Preliminary Design

JOSEPH IANO, SEATTLE, UNITED STATES & EDWARD ALLEN, SOUTH
NATICK, UNITED STATES

The latest edition of the guidebook every architect needs at their fingertips, updated and expanded throughout

Start your designs on solid ground with *The Architect's Studio Companion*! This comprehensive handbook provides everything you need for the preliminary selecting, configuring, and sizing of the structural, environmental, safety, accessibility, and parking systems of a building. Edward Allen and Joseph Iano, authors of the market-leading *Fundamentals of Building Construction*, use their trademark talent for boiling down complex technical requirements into easy-to-use, time-saving guidelines for the engineering and architectural design of buildings.



The new seventh edition is fully updated with the latest model building codes, new information on heating and cooling systems for buildings, new structural systems, new requirements for tall mass timber buildings, and more. Throughout the text, straightforward diagrams and user-friendly explanations help you lay out the most important systems of a building in a matter of minutes without stressing about complicated technical concepts. Use this guide to introduce building systems into the early stages of design, and greatly reduce the need for later revisions or redesign--and keep your projects on time and on budget.

More than just a reference, *The Architect's Studio Companion, Seventh Edition* is a must-have companion that no practicing architect or student should be without.

AUGUST 2022 512PP
978-1-119-82679-8 CL \$102.95 (Japan)
DESIGN, DRAWING & PRESENTATION

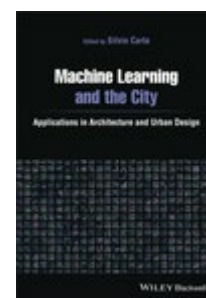
Machine Learning and the City

Applications in Architecture and Urban Design

EDITOR SILVIO CARTA

Explore the applications of machine learning and artificial intelligence to the built environment

Machine Learning and the City: Applications in Architecture and Urban Design delivers a robust exploration of machine learning (ML) and artificial intelligence (AI) in the context of the built environment. Relevant contributions from leading scholars in their respective fields describe the ideas and techniques that underpin ML and AI, how to begin using ML and AI in urban design, and the likely impact of ML and AI on the future of city design and planning.



Each section couples theoretical and technical chapters, authoritative references, and concrete examples and projects that illustrate the efficacy and power of machine learning in urban design. The book also includes:

- An introduction to the probabilistic logic that underpins machine learning
- Comprehensive explorations of the applications of machine learning and artificial intelligence to urban environments
- Practical discussions of the consequences of applied machine learning and the future of urban design

Perfect for designers approaching machine learning and AI for the first time, *Machine Learning and the City: Applications in Architecture and Urban Design* will also earn a place in the libraries of urban planners and engineers involved in urban design.

AUGUST 2022 672PP
978-1-119-74963-9 PB \$80.00 (Japan)
Design, Drawing & Presentation

Radical Architectural Drawing

EDITOR NEIL SPILLER

Bartlett School of Architecture, London, England

There is a newfound interest in architectural drawing. Some of the most forward-looking architects worldwide are reinventing it to discover the radical possibilities of contemporary architecture as a rich mix of the virtual and the actual. Architectural drawing is adapting to compensate for these new changes to the discipline, and is being used to speculate on new paradigms of space and representation. This AD seeks to showcase the architects who are pushing the envelope of drawing in extraordinary ways, and their insights into architecture's future spatial dexterity. The issue is built around an international group of architects involved in an ongoing KU Leuven Faculty of Architecture international drawing research project, who are creating new drawing methodologies in new and exciting realms. Their projects are written about from the perspective of architectural representation by critics and commentators from across the globe, illustrating a cornucopia of graphic verve and talent in this highly contemporary and thought-provoking issue. Contributors: Aaron Betsky, Penelope Haralambidou, Ulrika Karlsson, Michael McGarry, Nicholas de Monchaux, Ricardo de Ostos, Alberto Pérez-Gómez, Peter Salter, Chris L Smith, Wolfgang Tschapeller, Sarah de Villiers, Robin Wilson, and Jason Young. Drawings by: Bryan Cantley, Nat Chard, Peter Cook, Riet Eeckhout, CJ Lim, Perry Kulper, Metis (Mark Dorrian and Adrian Hawker), Shaun Murray, Smout Allen, Neil Spiller, Nada Subotincic, Michael Webb, Mark West, and Michael Young.



SERIES: ARCHITECTURAL DESIGN

AUGUST 2022 144PP
978-1-119-78777-8 PB \$45.00 (Japan)
Design, Drawing & Presentation

Practical Golf Course Maintenance

The Art of Greenkeeping

MICHAEL BAVIER & LUKE CELLA

Inverness Golf Club, near Chicago, Illinois

A Practical Step-by-Step Guide to Maintaining and Operating a Golf Course

From the fairway to the flagsticks, operating a golf course presents a variety of challenges. To maintain a beautiful course and ensure smooth day-to-day operations, one must possess a strong foundation of knowledge across many different fields. *Practical Golf Course Maintenance, Fourth Edition* assists golf industry professionals with every component of course management so that players have the best experience possible.



As seasoned golf industry professionals, the two authors have years of hands-on experience in the field solving problems relating to every facet of running a modern golf course.

Practical Golf Course Maintenance, Fourth Edition has been purposefully written to provide useful information to both the untrained and experienced greenkeeping professional. It serves as a thorough introduction of golf course maintenance to anyone interested in the profession, including course or club officials and managers, green committee members, and anyone who has a vested interest in understanding what it takes to run a golf course.

AUGUST 2022 288PP
978-1-119-82334-6 CL \$85.00 (Japan)
TURF MANAGEMENT

ビジネス

The Climate City

EDITOR MARTIN POWELL

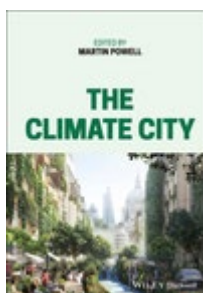
Provides professionals in finance, technology, and consulting with solutions for improving the quality of urban life under the changing climate

The Climate City provides cutting-edge approaches for developing resilient solutions to combat the effects of climate change in cities throughout the world. Linking finance and technology to policy and innovation, this highly practical resource outlines a global framework for mitigating and adapting to climate change and for effectively planning and delivering a low-carbon future.

This book addresses how cities can work effectively with each other to drive change, the importance of strong leadership and international cooperation, the role of innovative finance and technology to identify new economic opportunities, and more. Throughout the book, the authors address future trends such as the changing streetscape, connected infrastructure and eMobility, and autonomous vehicles, drones, and other emerging technologies.

The Climate City is essential reading for city planners, policy makers, technologists, consultants, finance and business professionals, and general readers wanting to improve the cities in which they work and live.

AUGUST 2022 544PP
978-1-119-74627-0 CL \$120.00 (Japan)
Urban Development

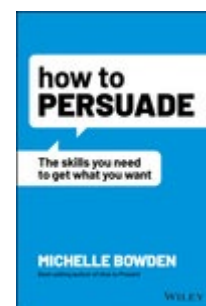


How to Persuade

The Skills You Need to Get What You Want

MICHELLE BOWDEN

AUGUST 2022 UnknownPP
978-1-119-89187-1 PB \$22.00 (Japan)
Business Self-Help



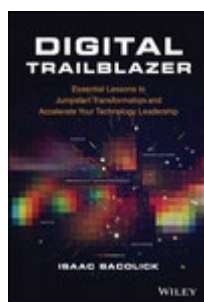
Digital Trailblazer

Essential Lessons to Jumpstart Transformation and Accelerate Your Technology Leadership

ISAAC SACOLICK, TUCKAHOE, UNITED STATES

Invaluable stories and lessons that will help you tackle one of the most challenging jobs in technology and business -- leading transformation

In *Digital Trailblazer: Essential Lessons to Jumpstart Transformation and Accelerate Your Technology Leadership*, Isaac Sacolick, a technology leadership expert and a former CIO and CTO, delivers a hands-on guide to help technology and business professionals at all stages of their careers acquire the skills necessary to drive transformative change. With an eye-opening collection of stories and more than 50 lessons, Sacolick gives readers a view into what goes on behind-the-scenes in leading digital transformations. From tense IT Ops conference calls to make-or-break executive meetings, Sacolick presents the challenging scenarios faced by product, technology, and data leaders and helps readers learn to lead transformations and become Digital Trailblazers.



In the book you will:

- Step out of your comfort zone and develop the management and leadership skills required to influence executives and win over detractors in driving technology changes
- Learn how to transform experiences, lead data driven organizations, and foster high performance teams
- Discover how to deliver innovation, empower agile self-organization, and evolve standard digital practices that drive culture changes in your organization

A can't-miss resource for product, technology, and data leaders -- from those aspiring to leadership roles through vice presidents, CIOs, CTOs, and CDOs, *Digital Trailblazer* delivers real-word stories and need-to-know lessons that will accelerate your technology leadership journey.

AUGUST 2022 288PP
978-1-119-89453-7 CL \$27.00 (Japan)
Personal Career Development

The Blockchain Internet

How Blockchain Breakthroughs Empower the Cryptocurrency, Privacy, and Security Foundations of the Metaverse

WINSTON MA & KEN HUANG

An in-depth and authoritative treatment of one of the most pressing topics of our time

In *Blockchain and Web3: Building the Cryptocurrency, Privacy, and Security Foundations of the Metaverse*, two tech and finance experts deliver a comprehensive and accessible guide to the present and future of blockchain technology and how it will form the foundation of a new, better internet.

To support a concept as bold as the Metaverse, we need several orders of magnitude more powerful computing capability, accessible at much lower latencies, across a multitude of devices and screens. You'll discover how blockchain can accelerate data flow, exchange, and transactions to create and transfer value around the world and, at the same time, how it can be used to protect user data privacy and security with decentralized web infrastructures. The book also includes:

- Discussions of how sovereign governments are entering the blockchain fray and how their entry, especially with CBDC digital currency, shapes the conversations around Web3
- Explorations of whether we will ever realize the holy grail of blockchain tech: interoperability to compete with Big Tech platforms

Discussion of new security and privacy issues rising from the intersection of Blockchain, Web3 and Metaverse. A fascinating and eye-opening treatment of the past, present, and future of blockchain and the role it will play on the internet and metaverse, *Blockchain and Web3* is a truly original and engaging discussion of a timely and critical topic.

AUGUST 2022 352PP
978-1-119-89108-6 PB \$32.50 (Japan)
Business Technology

Digital Government Excellence

Lessons from Effective Digital Leaders

SIIM SIKKUT, TALLINN, ESTONIA

How to lead the digital transformation of governments

Digital Government Excellence: Lessons from Effective Digital Leaders delivers a fascinating treatment of digital leadership as governments around the world start or restart the digital transformation of their work and service delivery.



The author provides a playbook on how to achieve digital excellence via interviews with 20 remarkable digital government leaders from around the world. Each one offers insights on strategies for how to incorporate the best of digital into public services and practical tips on leading digital reforms and delivery teams. The book also:

- Explores how to begin the task of making all of government to "go digital" or go deeper and bolder in this direction, including the first steps and beyond
- Highlights leadership styles and practices for effective and lasting delivery of digital strategies and reforms
- Provides food for thought about what it takes to be an impactful digital transformation leader -- in government and beyond

The book is ideal for Chief Digital/Information/Technology Officers or digital agency leaders in public service. *Digital Government Excellence* is also an indispensable resource for any practitioner, policymaker or political leader in governments at any level, as well as any student or advisor of governments looking into how to deliver digital transformation in the public sector.

SERIES: WILEY CIO

AUGUST 2022 320PP
978-1-119-85887-4 CL \$45.00 (Japan)
Business Technology

OKRs for All

Making Objectives and Key Results Work for your Entire Organization

VETRI VELLORE

Transform your organization and get everyone pulling in the same direction by doing OKR's better

The spiritual successor to KPIs (key performance indicators), OKRs, or objectives and key results, are rapidly gaining popularity and helping some of the world's most successful businesses solve their strategic execution problems. However, some companies struggle with their implementation, finding that using OKRs as top-down directives changes little.



In *OKR's for All*, Objectives and Key Results (OKR) expert Vetri Vellore delivers an impactful and actionable guide on how to use OKRs for more than a quarterly, executive-level review tool. You'll discover how to roll out an OKR system that closes the gap between strategy and project, and starts at the bottom of your organization and helps managers and teams organize their daily decisions around shared and important goals.

Perfect for founders, executives, managers, and employees at organization of all sizes and in any industry, *OKR's for All* will also earn a place in the libraries of consultants and professionals who serve these firms.

AUGUST 2022 288PP
978-1-119-81159-6 CL \$28.00 (Japan)
Management / Teams

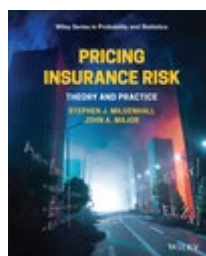
Pricing Insurance Risk

Theory and Practice

STEPHEN J. MILDENHALL & JOHN A. MAJOR

A comprehensive framework for measuring, valuing, and managing risk

Pricing Insurance Risk: Theory and Practice delivers an accessible and authoritative account of how to determine the premium for a portfolio of non-hedgeable insurance risks and how to allocate it fairly to each portfolio component.



The authors synthesize hundreds of academic research papers, bringing to light little-appreciated answers to fundamental questions about the relationships between insurance risk, capital, and premium. They lean on their industry experience throughout to connect the theory to real-world practice, such as assessing the performance of business units, evaluating risk transfer options, and optimizing portfolio mix.

Perfect for actuaries working in the non-life or general insurance and reinsurance sectors, *Pricing Insurance Risk: Theory and Practice* is also an indispensable resource for banking and finance professionals, as well as risk management professionals seeking insight into measuring the value of their efforts to mitigate, transfer, or bear nonsystematic risk.

SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

AUGUST 2022 560PP
978-1-119-75567-8 CL \$99.00 (Japan)
Risk, Contingency & Crisis Management

The Digital Leader

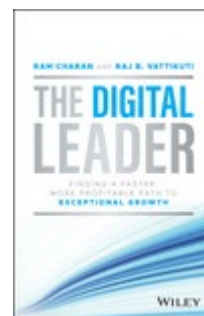
Finding a Faster, More Profitable Path to Exceptional Growth

RAM CHARAN, DALLAS, UNITED STATES & RAJ B. VATTIKUTI

Harvard Business School and the Kellogg School of Business at Northwestern University

Digitally transform your organization, one manageable step at a time

In *The Digital Leader: Finding a Faster, More Profitable Path to Exceptional Growth*, a team of visionary entrepreneurs delivers an authoritative and engaging roadmap demonstrating how to digitalize your business by taking small, achievable steps that yield measurable, near-term results. In this handbook of concrete strategies and methods, the authors show you how to pinpoint and implement bite-sized projects that sync up with your business priorities.



You'll learn how to find and choose between the digital enablement options available to you while discovering the tools you need to explain their value to stakeholders and get much-needed buy-in from executives, managers, and employees.

A can't-miss resource for executives, managers, and other business leaders, *The Digital Leader* also belongs in the bookshelves of IT and data professionals seeking to maximize their impact on the businesses around them.

AUGUST 2022 160PP
978-1-119-90008-5 CL \$25.00 (Japan)
Organizational Development

Prediction Revisited

The Importance of Observation

MARK P. KRITZMAN, BOSTON, UNITED STATES, DAVID
TURKINGTON, BOSTON, UNITED STATES & MEGAN CZASONIS,
BOSTON, UNITED STATES

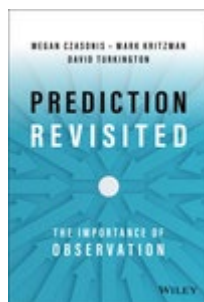
Windham Capital Management Boston; State Street
Associates; AIMR Research Foundation; State Street
Associates

**A thought-provoking and startlingly
insightful reworking of the science of
prediction**

In *Prediction Revisited: The Importance of Observation*, a team of renowned experts in the field of data-driven investing delivers a ground-breaking reassessment of the delicate science of prediction for anyone who relies on data to contemplate the future. The book reveals why standard approaches to prediction based on classical statistics fail to address the complexities of social dynamics, and it provides an alternative method based on the intuitive notion of relevance.

The authors describe, both conceptually and with mathematical precision, how relevance plays a central role in forming predictions from observed experience. Moreover, they propose a new and more nuanced measure of a prediction's reliability.

With its strikingly fresh perspective grounded in scientific rigor, *Prediction Revisited* is sure to earn its place as an indispensable resource for data scientists, researchers, investors, and anyone else who aspires to predict the future from the data-driven lessons of the past.



AUGUST 2022 240PP
978-1-119-89558-9 CL \$29.95 (Japan)
Decision Sciences

Digital Humans: Thriving in an Online World

PAUL ASHCROFT & GARRICK JONES

We are all digital humans now. What does this mean for how we live and how we work? How do digital humans thrive in a connected world? Life and work today is a connected mass of networks, people and technology. This connected world is so complex and fast evolving it can be considered alive. In this provocative and insightful book, Paul Ashcroft and Garrick Jones shine a light on how to activate organizations so that they can transform themselves -- and what digital means for people who work within them.

This new book brings together knowledge from a wide range of disciplines including complexity theory, anthropology, history and behavioural science combined with the latest thinking on organisational transformation. It highlights principles (such as algorithms, self-organisation, pattern recognition) that underpin the success of digital organisations based on our twenty years of helping organisations making the shift to digital and our learnings through the pandemic in the accelerated shift to hybrid, digital working.

In *Digital Humans* the authors describe the importance of keeping humans at the centre of the digital age -- and understanding our place within these new digital eco-systems. It provides cases and principles for how to shift to digital and adapt to the new hybrid reality across strategy and decision making, transformation and capability building. The book describes how to transform organisations whilst keeping humans at the centre of the digital age. It is practical, inspiring and engaging -- with stories from some of the largest global organisations to some of the smallest using the most innovative ideas.

AUGUST 2022 256PP
978-1-119-87972-5 CL \$27.50 (Japan)
Training & Development

The Mentor's Guide

Facilitating Effective Learning Relationships

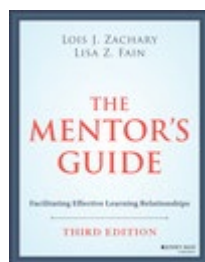
3rd Edition

LOIS J. ZACHARY & LISA FAIN

Phoenix, Arizona

Explore the latest edition of an authoritative resource on professional and educational mentoring

In the newly revised Third Edition of *The Mentor's Guide: Facilitating Effective Learning Relationships*, veteran mentoring experts Lois J. Zachary and Lisa Z. Fain deliver a thoughtful and rich exploration of the critical process of mentoring. The book offers practical tools for facilitating the mentoring experience from beginning to end.



In addition to walking you through the four phases of mentoring--preparing, negotiating enabling growth, and coming to closure--this important book provides:

- Brand-new content on diversity, inclusion, and equity, as well as tools to enhance virtual mentoring relationships
- The ethics of mentoring, including how to handle common ethical pitfalls and mistakes
- Hands-on worksheets and exercises to facilitate the mentoring and learning process

Perfect for leaders, managers, and educators, in any career or professional setting, *The Mentor's Guide* is an indispensable tool to help navigate your learning and mentoring journey.

AUGUST 2022 320PP
978-1-119-83818-0 PB \$42.00 (Japan)
TRAINING & HUMAN RESOURCE DEVELOPMENT / COACHING & MENTORING

Supplier Diversity For Dummies

KATHEY PORTER, ALACHUA, UNITED STATES

Extend the principles of diversity and inclusion to your company's suppliers

Many people are familiar with the importance of ensuring and advancing inclusion, equity, and diversity amongst their employees and managers. But do your efforts include supplier diversity--an equally as important and essential part of any holistic diversity effort?



In *Supplier Diversity For Dummies*, nationally recognized small business strategist and economic inclusion and supplier diversity expert Kathey Porter delivers an empowering and informative guide to implementing this integral part of any robust inclusion initiative: supplier diversity. You'll understand the relevance of supplier diversity and why it's important to encourage equal opportunity for diverse suppliers and businesses owned and managed by underrepresented groups.

In this book, you'll also find:

- The answers to your most pressing questions about how to build a coherent and sustainable supplier diversity program
- Ways to contribute more fully to your company's diversity and inclusion functions
- Strategies to position supplier diversity as a central function in your organization

Perfect for company buyers, purchasing and procurement professionals, material management executives, strategic sourcing professionals and supplier diversity practitioners, *Supplier Diversity For Dummies* is a must-read resource for supply chain professionals, diversity and inclusion leaders and anyone looking to increase their proficiency in supplier diversity, improve supply chain inclusivity and increase their social impact.

AUGUST 2022 304PP
978-1-119-84301-6 PB \$34.99 (Japan)
Business & Society

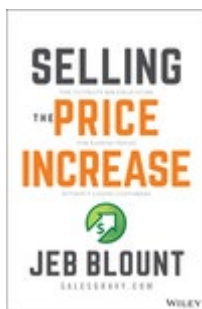
Selling the Price Increase

The Ultimate B2B Field Guide for Raising Prices Without Losing Customers

JEB BLOUNT, UNITED STATES

A practical guide for successfully navigating the single greatest growth and profit improvement opportunity for B2B enterprises: price increases

The payoff for implementing price increases without losing customers is massive! Effective price increase campaigns are far more effective at boosting topline revenue and generating profits than acquiring new customers.



The problem is that price increase initiatives--whether broad-based or targeted to specific accounts--strike fear and anxiety into the hearts of sales professionals and account managers who are tasked with selling them to their customers. Approaching customers with price increases sits at the tip top of the pantheon of things salespeople hate to do because they fear that raising prices will reduce sales volume or open the door to competitors.

Yet when sold effectively, customers accept price increases, remain loyal, and often buy even more.

In *Selling the Price Increase: The Ultimate B2B Field Guide for Raising Prices Without Losing Customers*, celebrated sales trainer Jeb Blount reveals the strategies, tactics, techniques, and frameworks that allow you to successfully master price increase initiatives. From crafting effective price increase messages to protecting hard-won relationships, handling common objections, and making the case for the value you deliver, this comprehensive guide walks you through each step of the price increase sales process.

Selling the Price Increase is an essential handbook for sales professionals, account managers, customer success teams, and other revenue generation leaders looking for a page-turning and insightful roadmap to navigating the essential--and nerve-wracking--world of price increases.

SERIES: JEB BLOUNT

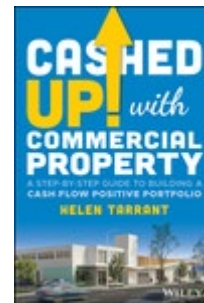
AUGUST 2022 352PP
978-1-119-89929-7 CL \$29.00 (Japan)
Sales Management

Cashed Up with Commercial Property

A Step-by-Step Guide to Building a Cash Flow Positive Portfolio

HELEN TARRANT

AUGUST 2022 UnknownPP
978-1-119-91034-3 PB \$21.59 (Japan)
Property & Real Estate



生体医用工学

Startup Boards

A Field Guide to Building and Leading an Effective Board of Directors, 2nd Edition

BRAD FELD, MATT BLUMBERG & MAHENDRA RAMSINGHANI

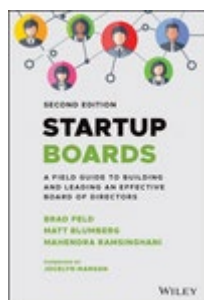
A comprehensive guide on creating, growing, and leveraging a board of directors written for CEOs, board members, and people seeking board roles.

The first time many founders see the inside of a board room is when they step in to lead their board. But how do boards work? How should they be structured, managed, and leveraged so that startups can grow, avoid pitfalls, and get the best out of their boards? Authors Brad Feld, Mahendra Ramsinghani, and Matt Blumberg have collectively served on hundreds of startup and scaleup boards over the past 30 years, attended thousands of board meetings, encountered multiple personalities and situations, and seen the good, bad, and ugly of boards.

In *Startup Boards: A Field Guide to Building and Leading an Effective Board of Directors*, the authors provide seasoned advice and guidance to CEOs, board members, investors, and anyone aspiring to serve on a board.

Startup Boards draws on the authors' experience and includes stories from board members, startup founders, executives, and investors. Any CEO, board member, investor, or executive interested in creating an active, involved, and engaged board should read this book--and keep it handy for reference.

AUGUST 2022 256PP
978-1-119-85928-4 CL \$29.95 (Japan)
Business & Management Special Topics

**Biological Flow in Large Vessels**

Dialog between Numerical Modeling and In Vitro/In Vivo Experiments

VALERIE DEPLANO, JOSE-MARIA FULLANA & CLAUDE VERDIER

AUGUST 2022 252PP
978-1-78945-065-1 CL \$165.00 (Japan)
Biomechanics

土木工学

Surveying

7th Edition

JACK C. MCCORMAC, WAYNE A. SARASUA & WILLIAM J. DAVIS

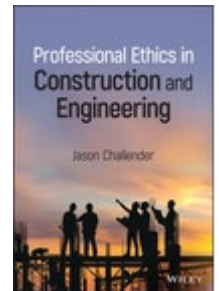
Clemson University; Clemson University; The Citadel

AUGUST 2022 UnknownPP
 978-1-119-64852-9 PB \$212.95 (Japan)
 SURVEYING

Professional Ethics in Construction and Engineering

JASON CHALLENGER

Professional Ethics in Construction and Engineering responds to that scrutiny with practical, industry aligned guidance on ethical practice in construction management. It addresses how existing ethical standards can be applied to professional practice pragmatically, with case studies and example scenarios aligned with the ethical requirements of industry professional bodies and a toolkit that can be employed when necessary. Furthermore, the book will provide coverage of real-world situations where practitioners must demonstrate professional judgement and ethical decision-making in response to legal and contractual requirements. With a thorough discussion of how such problematic situations arise, perhaps because of geographical differences in expected behaviours, conflicts between legal and moral dictum, or the mismatch between the business goals of client and contracting organisations and society's perceptions of them as social facilitators, the book addresses how decisions can and should be made to uphold ethical standards and values. Consequently, the book brings together ethical theory, existing global ethical standards and the requirements of many professional bodies including the Royal Institution of Chartered Surveyors (RICS), the Royal Institute of British Architects (RIBA) and the Chartered Institute of Building (CIOB) alongside practical advice on how those ethical principles and guidelines can and should be applied to all professional practitioner disciplines nationally and globally.



AUGUST 2022 288PP
 978-1-119-83209-6 CL \$105.00 (Japan)
 Construction Management

Blue Planet, Red and Green Photosynthesis

Productivity and Carbon Cycling in Aquatic Ecosystems

STEPHEN CHRISTOPHER MABERLY & BRIGITTE GONTERO

This book describes the mechanisms that allow aquatic photosynthetic organisms to contribute about half of the global primary productivity; in order to mitigate climate change by sequestering carbon dioxide and producing oxygen, they transform the original anoxic atmosphere of the Earth over geological time. Aquatic photosynthesis is performed by a wide diversity of organisms, predominantly involving cyanobacteria, and algae derived from the "red-lineage", unlike terrestrial primary productivity, which is restricted to "green-lineage" plants. Blue Planet, Red and Green Photosynthesis describes how, in order to maximize productivity, aquatic primary producers have evolved a series of structures and mechanisms that increase the limiting supply of carbon dioxide to the enzyme, Rubisco, which is responsible for carbon dioxide fixation. This book covers the molecular mechanisms involved in aquatic carbon uptake and the global consequences as humankind alters the blue planet.

AUGUST 2022 332PP
978-1-78945-082-8 CL \$165.00 (Japan)
Environmental Impact

Socioecosystems

Indiscipline as a Requirement of the Field

PATRICK GIRAUDOUX

AUGUST 2022 332PP
978-1-78945-052-1 CL \$165.00 (Japan)
Environmental Impact

化学工学

In-Space Manufacturing and Resource

Earth and Planetary Exploration Applications

EDITOR VOLKER HESSEL, EDITOR JANA STOUDEMIRE, EDITOR
HIDEAKI MIYAMOTO & EDITOR IAN D. FISK

IMM Institut für Mikrotechnik Mainz GmbH, Mainz, Germany

Comprehensive resource covering all in-space manufacturing and planetary resource exploration endeavors.

The space economy is developing quickly, and pivotal events have brought us to a strong inflection point. This unique book includes fundamental and ground-breaking innovations in the field and is meant to quickly get readers up to speed on many different facets of space and planetary resource exploration, such as:

- Space health & medicine
- Space biology & space farming
- Space chemistry & space mining
- Space construction and advanced materials production
- Space policy, law and economics

Presenting a snapshot of the expanding space economy and manufacturing applications in low-Earth orbit, along with resource utilization capabilities in development for Moon and Mars missions, this an indispensable source for all researchers and commercial companies working on space and planetary resource exploration.

AUGUST 2022 432PP
978-3-527-34853-4 CL \$170.00 (Japan)
Process Engineering

**Ionizing Radiation Technologies**

Managing and Extracting Value from Wastes

EDITOR SHIMA SHAYANFAR & EDITOR SURESH D. PILLAI
Texas A&M University**An authoritative overview of major advances in the application of ionizing radiation technologies to industrial, agricultural, and municipal waste products**

In *Ionizing Radiation Technologies: Managing and Extracting Value from Wastes*, a team of expert researchers delivers a broad overview of the value trapped in waste streams and how a strategic application of ionizing radiation technologies can be valuable from both an environmental and economic perspective. A valuable addition to the discussions around sustainability and green technologies, the book introduces ionizing radiation technologies, including gamma (cobalt-60) irradiation and high and low energy electron beam technologies.

The included contributions explore the major advances taking place in the application of ionizing radiation technologies to derive high value end-products from agricultural, municipal, and industrial wastes. Each chapter reviews original research and data and considers likely future directions in research and development.

Perfect for consulting engineers and industry professionals involved in waste management and mitigation, *Ionizing Radiation Technologies* will also earn a place in the libraries of professionals at government agencies, international food organizations, and NGOs focused on waste management, environment sustainability, and urban planning.

SERIES: INSTITUTE OF FOOD TECHNOLOGISTS SERIES

AUGUST 2022 288PP
978-1-119-48853-8 CL \$200.00 (Japan)
Process Engineering

化学

Chemistry: 1001 Practice Problems For Dummies (+ Free Online Practice)

HEATHER HATTORI & RICHARD H. LANGLEY, UNITED STATES

; Stephen F. Austin State University

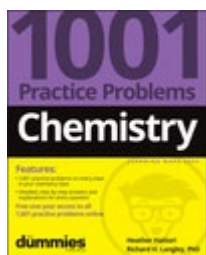
Practice your way to a better grade in your Chemistry class

Chemistry: 1001 Practice Problems For Dummies gives you 1,001 opportunities to practice solving problems on all the topics covered in your chemistry class--in the book and online! Get extra practice with tricky subjects, solidify what you've already learned, and get in-depth walk-throughs for every problem with this useful book. These practice problems and detailed answer explanations will catalyze the reactions in your brain, no matter what your skill level. Thanks to Dummies, you have a resource to help you put key concepts into practice.

- Work through multiple-choice practice problems on all Chemistry topics covered in class
- Step through detailed solutions to build your understanding
- Access practice questions online to study anywhere, any time
- Improve your grade and up your study game with practice, practice, practice

The material presented in *Chemistry: 1001 Practice Problems For Dummies* is an excellent resource for students, as well as parents and tutors looking to help supplement classroom instruction.

Chemistry: 1001 Practice Problems For Dummies (9781119883531) was previously published as *1,001 Chemistry Practice Problems For Dummies* (9781118549322). 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.

**Devices and Systems for Laboratory Automation**

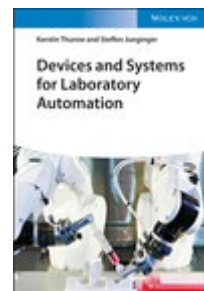
KERSTIN THUROW & STEFFEN JUNGINGER

Structured Overview on the Available Systems and Devices for Laboratory Automation

Choosing the right systems and devices for the automation in any given laboratory is an essential part for the process to succeed. As relevant information to make an informed choice is not always readily available, a structured overview is essential for modern scientists. This book provides an introduction into laboratory automation and an overview of the necessary devices and systems. Sample topics discussed by the two well-qualified authors include:

- Specific requirements the automation needs to fulfill such as liquid delivery, low volume delivery, solid delivery, and sample preparation
- An overview on robots and mobile robots
- Common interfaces in laboratory automation

For scientists and all individuals working in laboratories, the work serves as an indispensable resource in helping to make laboratory processes more streamlined, effective, and efficient.



AUGUST 2022 480PP
978-3-527-34832-9 CL \$150.00 (Japan)
Lab Automation & Miniaturization

AUGUST 2022 448PP
978-1-119-88353-1 PB \$29.99 (Japan)
GENERAL CHEMISTRY

The Forensic Analysis, Comparison and Evaluation of Friction Ridge Skin Impressions

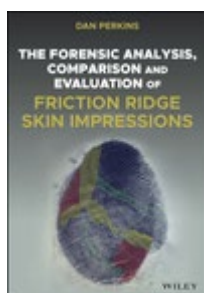
DAN G. PERKINS

An accessible, highly practical introduction to the ACE framework
Fingerprint Examiners use to analyse, compare and evaluate friction ridge skin impressions.

When friction ridge skin (the skin on the undersides of the hands and feet) contacts a surface an impression of it may be left behind. Impressions that are left inadvertently, for example at a scene where a crime is alleged to have been committed are known as 'marks'. Impressions taken intentionally from a person, for example as a result of their arrest are known as 'prints'.

The Forensic Analysis, Comparison and Evaluation of Friction Ridge Skin Impressions offers step-by-step instruction to examiners tasked with identifying people by the marks they leave behind. Assuming no previous knowledge of the subject, this easy-to-use guide breaks down the ACE (Analysis, Comparison and Evaluation) framework into 10 key questions that provide clear guidance on: establishing the most evidentially valuable mark; the type of details the mark may reveal; the effects of distortion; how to determine which area of skin is most likely to have made the mark, and more. Author Dan Perkins draws upon his years of experience to equip fingerprint examiners with the key skills needed to carry out the appropriate analysis, comparison and evaluation of friction ridge skin impressions.

The Forensic Analysis, Comparison and Evaluation of Friction Ridge Skin Impressions is an indispensable ACE 'checklist' for trainees in the field of fingerprint comparison and identification, qualified fingerprint examiners and forensic science students.



Chemometrics and Numerical Methods in LIBS

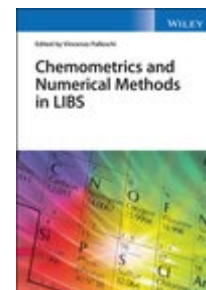
EDITOR VINCENZO PALLESCHI

A practical guide to the application of chemometric methods to solve qualitative and quantitative problems in LIBS analyses

Chemometrics and Numerical Methods in LIBS, delivers an authoritative and practical exploration of the use of advanced chemometric methods to laser-induced breakdown spectroscopy (LIBS) cases. The book discusses the fundamentals of chemometrics before moving on to solutions that can be applied to data analysis methods. It is a concise guide designed to help readers at all levels of knowledge solve commonly encountered problems in the field.

The book includes three sections: LIBS information simplification, LIBS classification, and quantitative analysis by LIBS. Each section of the book is divided into a description of relevant techniques and practical examples of its applications. Contributors to this edited volume are the most recognized international experts on the chemometric techniques relevant to LIBS analysis.

Relevant for researchers and PhD students seeking practical information on the application of advanced statistical methods to the analysis of LIBS spectra, *Chemometrics and Numerical Methods in LIBS* will also earn a place in the libraries of students taking courses involving LIBS spectro-analytical techniques.



AUGUST 2022 368PP
978-1-119-75958-4 CL \$165.00 (Japan)
Chemometrics & Data Handling

AUGUST 2022 356PP
978-1-119-23089-2 CL \$125.00 (Japan)
Forensics

Nanotechnology for Environmental Remediation

EDITOR SABU THOMAS, EDITOR MERIN SARA THOMAS & EDITOR LALY A. POTHEN

Mahatma Gandhi University

Comprehensive resource on using nanomaterials to alleviate environmental pollution

Contaminated land, soil and water pose a threat to the environment and health. These sites require immediate action in terms of assessing pollution and new remediation strategies. *Nanotechnology for Environmental Remediation* helps readers understand the potential of nanotechnology in resolving the growing problem of environmental contamination.

The specific aim of this book is to provide comprehensive information relating to the progress in the development of functional nanomaterials and nanocomposites which are used for the environmental remediation of a variety of contaminants. The work deals with the different aspects of nanotechnology in water, air and soil contamination and presents the recent advances with a focus on remediation.

Chemists and biotechnologists can use *Nanotechnology for Environmental Remediation* as a comprehensive reference work for thoroughly understanding this new type of technology and why it is so important when considering environmental remediation efforts. Due to the practical application of nanotechnologies, environmental organizations and agencies can also both utilize the work to explore new and more effective ways of doing things, both now and into the future as nanotechnology becomes more common.



AUGUST 2022 432PP
978-3-527-34927-2 CL \$175.00 (Japan)
Environmental Chemistry

The Waste Crisis

Roadmap for Sustainable Waste Management in Developing Countries

SAHADAT HOSSAIN, H. JAMES LAW & ARAYA ASFAW

Explore modern solutions to the most critical issues in waste management policy and design

In *A Roadmap for Sustainable Waste Management*, an accomplished team of sustainability researchers deliver a concise insight of modern waste management practices that acts as a handbook for waste management professionals. Along with flow charts and example problems, the authors offer readers the information necessary to support decision making based on country, city size, population, waste generation volume, type, geographical location, and more.

The book begins with an overview of current waste management practices, including waste generation, collection, processing, composting, recycling, and disposal. It moves on to a series of case studies from over ten countries and presentations of sustainable waste management strategies. *A Roadmap for Sustainable Waste Management* concludes with a series of practical and effective final recommendations for future best practices.

A Roadmap for Sustainable Waste Management is an indispensable resource for waste, recycling, and resource management professionals. It's also perfect for waste management system designers and decision makers seeking a one-stop guide to issues of sustainability in the developing world.



SERIES: INTERNATIONAL SOLID WASTE ASSOCIATION

AUGUST 2022 368PP
978-1-119-81193-0 CL \$120.00 (Japan)
Environmental Chemistry

Natural and Synthetic Waxes

Types, Origin, Production, and Applications

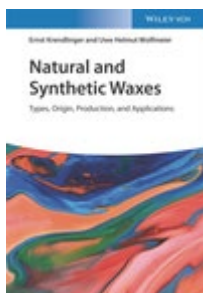
ERNST KRENDLINGER

A compilation of all relevant information for the production and use of waxes in technical applications

This book is an up-to-date reference work on waxes. It includes information on wax classes, chemical and physical properties, processing technologies, and technical applications. With over 20 years of experience as a Technology and R&D Manager in the wax industry, the well-qualified author covers many key topics on the topic of waxes, such as:

- The chemistry of waxes, including their chemical composition, molecular structure and analysis
- Physical properties, such as carbon chain length distribution, dropping point, and acid number
- Synthetic waxes from fischer-tropsch processes, paraffin and amide waxes, as well as diverse wax blends and emulsions
- How these waxes are produced and applied, e.g. as micronizates or powders in printing inks or coatings
- Natural waxes, such as beeswax and sugar cane wax, and their technical importance in industry

Chemists and engineers working across a wide range of disciplines, along with professionals working in industries where waxes are a topic of interest, will be able to use this reference work to gain a complete understanding of the modern state of waxes, how they are produced, and how they can be effectively used in industrial applications.



Biodiesel Production

Feedstocks, Catalysts and Technologies

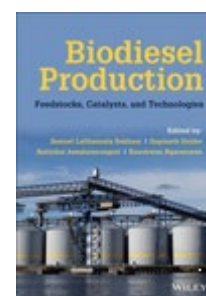
EDITOR SAMUEL LALTHAZUALA ROKHUM, GOPINATH HALDER, SUTTICHA ASSABUMRUNGRAT & KANOKWAN NGAOSUWAN

An incisive discussion of biofuel production from an economically informed technical perspective that addresses sustainability and commercialization together

In *Biodiesel Production: Feedstocks, Catalysts and Technologies*, renowned chemists Drs Rokhum, Halder, Ngaosuwan and Assabumrungrat present an up-to-date account of the most recent developments, challenges, and trends in biodiesel production. The book addresses select feedstocks, including edible and non-edible oils, waste cooking oil, microalgae, and animal fats, and highlights their advantages and disadvantages from a variety of perspectives. It also discusses several catalysts used in each of their methods of preparation, as well as their synthesis, reactivity, recycling techniques, and stability.

The contributions explore recently developed technologies for sustainable production of biodiesel and provides robust treatments of their sustainability, commercialization, and their prospects for future biodiesel production.

Perfect for academic researchers and industrial scientists working in fields that involve biofuels, bioenergy, catalysis, and materials science, *Biodiesel Production: Feedstocks, Catalysts and Technologies* will also earn a place in the libraries of bioenergy regulators.



AUGUST 2022 550PP
978-3-527-34222-8 CL \$193.99 (Japan)
Industrial Chemistry

AUGUST 2022 432PP
978-1-119-77133-3 CL \$175.00 (Japan)
Petrochemistry / Fuel

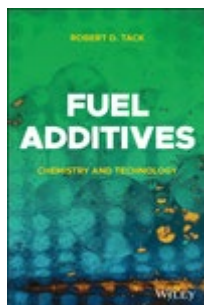
Fuel Additives

Chemistry and Technology

ROBERT D. TACK

Explore a complete and insightful review of fuel additives

In *Fuel Additives: Chemistry and Technology*, petroleum industry chemist R. D. Tack delivers a comprehensive and practical exploration of various types of fuel additives, the problems they're meant to address, what they do, their chemistries and preparations, and a discussion of how they work.



The book introduces and summarizes refinery operations to an extent that discussions of fuels in the following chapters become easier to understand. Then follow detailed descriptions of problems that occur for reasons of the ways in which liquid petroleum fuels are transported, stored, and used. In these discussions, their applications to jet fuel, heating oils, gasoline, diesel fuels, and bunker fuels are covered.

Perfect for chemists working in the petroleum industry, *Fuel Additives: Chemistry and Technology* will also earn a place in the libraries of professionals working in related areas and seeking a quick understanding of topics such as oxidative stability, corrosion, or wax crystallization since 1974.

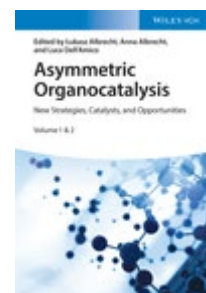
AUGUST 2022 384PP
978-1-119-70741-7 CL \$165.00 (Japan)
Petrochemistry / Fuel

Asymmetric Organocatalysis

New Strategies, Catalysts, and Opportunities, 2 Volumes

EDITOR LUKASZ ALBRECHT, EDITOR ANNA ALBRECHT & EDITOR LUCA DELL'AMICO

Comprehensive resource on the latest and most important developments in the highly vivid field of asymmetric organocatalysis



The book provides a comprehensive overview of the most important advancements in the field of asymmetric organocatalysis that have occurred within the last decade. It presents valuable examples of newly developed synthetic methodologies based on various organocatalytic activation modes.

Special emphasis is given to strategies where organocatalysis is expanding its potential by pushing the boundaries and founding new synergistic interactions with other fields of synthetic chemistry, such as metal catalysis, photocatalysis, and biocatalysis. The application of different concepts (such as vinylogy, dearomatization, or cascade reactivity), resulting in the development of new functionalization strategies, is also discussed. Sample topics covered within the book include:

- New developments in enantioselective Brønsted acid catalysis with strong hydrogen-bond donors
- Asymmetric phase-transfer catalysis, from classical applications to new concepts
- Halogen-bonding organocatalysis
- Asymmetric electrochemical organocatalysis and synergistic organo-organocatalysis
- Immobilized organocatalysts for enantioselective continuous flow processes
- Mechanochemistry and high-pressure techniques in asymmetric organocatalysis

With an overall focus on new reactions and catalysts, this two-volume work is an indispensable source for everyone working in the field of asymmetric organocatalysis.

AUGUST 2022 896PP
978-3-527-34907-4 CL \$400.00 (Japan)
Catalysis

Human and Animal Filariases

Landscape, Challenges, and Control

EDITOR RONALD KAMINSKY, EDITOR TIMOTHY G. GEARY &
SERIES EDITOR PAUL M. SELZER

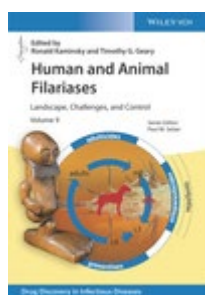
Intervet Innovation GmbH, Schwabenheim, Germany

The rational approach to controlling human and animal diseases caused by nematodes

Filariæ are a family of parasitic worms which infect animals and humans, causing severe diseases such as elephantiasis (lymphatic filariasis) and river blindness (onchocerciasis) in humans, as well as heartworm disease (dirofilariasis) in dogs and cats. While these diseases are rarely fatal, the blindness and disfigurement resulting from these infections constitute a severe burden for the affected individuals and to the healthcare systems in many tropical countries. In 2017, the World Health Organization classified several filariases as neglected tropical diseases and announced a new program seeking to eradicate these infections, which has in turn sparked a new push to develop antifilarial drugs.

Considering the current and future import of this topic, *Human and Animal Filariases* takes a comprehensive look at infections by filarial parasites in humans and in animals. It begins by reviewing the current state of diagnosis and chemotherapy, before addressing the increasing resistance to available antifilarial drugs. This is followed by strategies and approaches for the discovery of novel drugs and finally by looking at alternative and supplementary approaches to combat the parasites, including vector control and vaccination.

Human and Animal Filariases is a unique reference for parasitologists, veterinarians, as well as professionals in the pharmaceutical industry and in public health agencies.



SERIES: DRUG DISCOVERY IN INFECTIOUS DISEASES

AUGUST 2022 500PP
978-3-527-34659-2 CL \$205.00 (Japan)
Pharmaceutical & Medicinal Chemistry

Extractables and Leachables

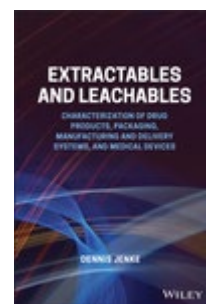
Characterization of Drug Products, Packaging, Manufacturing and Delivery Systems, and Medical Devices

DENNIS JENKE

Learn to address the safety aspects of packaged drug products and medical devices

In *Chemical (Extractables and Leachables) Characterization*, the product quality aspects of compatibility (including safe use) for drugs (and their containers, delivery devices and manufacturing systems) and medical devices are examined at length, focusing particularly on how trace-level extractables and leachables affect the quality and safety of a therapeutic product and how to assess the magnitude of the effect. This is done by addressing the two critical activities required to develop, register and commercialize safe, effective and affordable clinical therapies; measuring extractables and leachables (chemical characterization) and assessing their impact (for example, toxicological safety risk assessment). Each of these activities is addressed in-depth, based on the existing and developing international regulations and guidelines, current published literature and the author's extensive personal experience. Written by a key contributor to standards, guidelines, recommended practices and the relevant scientific literature, the book provides "insider" insights beyond what can be gained by merely reading the relevant texts. In addition, given that the extractables-and-leachables landscape has changed dramatically in the last decade, this book provides the reader with the most up-to-date and crucial information on new and forthcoming regulations and best practices.

Chemical (Extractables and Leachables) Characterization is the essential reference for pharmaceutical scientists, analytical chemists, regulatory affairs professionals, engineers, and toxicologists in areas such as product research and development, product registration and approval, regulatory affairs, analytical science, quality control, and manufacturing.



AUGUST 2022 448PP
978-1-119-60507-2 CL \$195.00 (Japan)
Drug Discovery & Development

Lignin Conversion Catalysis

Transformation to Aromatic Chemicals

CHAOFENG ZHANG & FENG WANG

This book focuses on the research development of lignin conversion to aromatic compounds. It provides a systematically results for the study of lignin conversion by giving details of Lignin depolymerization, mechanisms, models and technique strategies.

AUGUST 2022 480PP
978-3-527-34973-9 CL \$185.00 (Japan)
Organic Chemistry

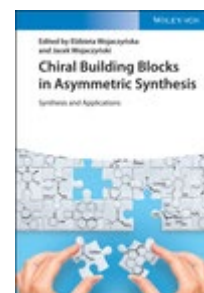
Chiral Building Blocks in Asymmetric Synthesis

Synthesis and Application

EDITOR ELZBIETA WOJACZYNSKA & EDITOR JACEK WOJACZYNSKI

A comprehensive introduction to all important classes of chiral building blocks

Chirality--the asymmetric quality found in certain chemical compounds--plays an essential role in our world: chiral compounds can be found in biology, pharmaceutical compounds, agrochemicals, and fragrances. The stereoselective preparation of these complex molecular construction make their synthesis a challenge, and as such modern asymmetric synthesis utilizes a variety of valuable and efficient reagents. These are employed as chiral auxiliaries and intermediates, enantioselective organocatalysts, and ligands in asymmetric catalysis, and as such can be termed as chiral building blocks.



In *Chiral Building Blocks in Asymmetric Synthesis*, the achievements in the fields of preparation of and applications of chiral blocks are presented. In doing so, the book comprehensively discusses all important classes of chiral building blocks as the key for the asymmetric synthesis of chiral molecules. As such, it is an indispensable resource about synthetic methods, as well as possible modifications and transformations of important classes of chiral compounds. It also highlights the importance of their use as reactants and auxiliaries in the preparation of more sophisticated molecules or supramolecular systems.

Chiral Building Blocks in Asymmetric Synthesis is a useful reference for organic chemists, catalytic chemists, chemists in industry, medicinal chemists, pharmaceutical chemists, and the libraries that support them.

AUGUST 2022 672PP
978-3-527-34946-3 CL \$230.00 (Japan)
Methods - Synthesis & Techniques

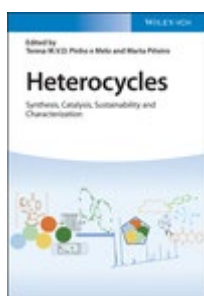
Heterocycles

Synthesis, Catalysis, Sustainability, and Characterization

EDITOR TERESA M.V.D. PINHO E MELO & EDITOR MARTA PINEIRO

A must-read handbook on heterocycle chemistry with a focus on sustainability

Heterocycles feature prominently in our daily life—they are essential for pharmaceuticals, agrochemicals, and fine chemicals. More, numerous natural, bioactive products contain heterocyclic compounds. As a result, heterocyclic chemistry continues to be one of the most important areas of study in organic chemistry.



Heterocycles provides an important reference on a wide range of topics relating to heterocyclic chemistry, with a heavy emphasis on sustainable methods and greener syntheses. The book describes state-of-the-art synthetic methods, such as photochemical reactions, dearomatization reactions, organocatalysis, transition metal catalysis, and biocatalysis. It also covers:

- Sustainable methods, like flow chemistry, mechanochemistry, and multicomponent synthesis
- Strategies for the synthesis of heterocyclic macrocycles and medium-sized rings
- Characterization of heterocyclic compounds

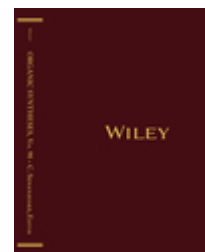
Heterocycles is a useful reference for organic chemists, natural products chemists, catalytic chemists, and medicinal chemists in academia and industry.

AUGUST 2022 528PP
978-3-527-34886-2 CL \$195.00 (Japan)
Methods - Synthesis & Techniques

Organic Syntheses, Volume 98

EDITOR CHRIS H. SENANAYAKE

The current volume continues the tradition of the Organic Syntheses series, providing carefully checked and edited experimental procedures that describe important synthetic methods, transformations, reagents, and synthetic building blocks or intermediates with demonstrated utility in organic synthesis. These significant and interesting procedures should prove worthwhile to many synthetic chemists working in increasingly diverse areas. A trusted guide for professionals in organic and medicinal chemistry in academia, government, and industries, including pharmaceuticals, fine chemicals, agrochemicals, and biotechnological products.



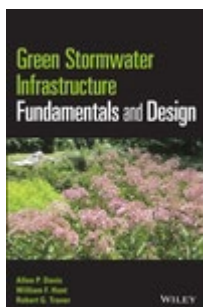
AUGUST 2022 608PP
978-1-119-90394-9 CL \$205.00 (Japan)
Methods - Synthesis & Techniques

コンピューティング

Green Stormwater Infrastructure Fundamentals and Design

ALLEN P. DAVIS, WILLIAM F. HUNT & ROBERT G. TRAVER

The protection of our aquatic resources is growing in importance as the effects of climate change and continued urbanization are felt throughout the world. While most rain that falls onto vegetated spaces infiltrates the soil, rain that falls onto impervious surfaces will not, increasing downstream flooding and erosion and causing impaired water quality. Impervious surfaces such as road infrastructure, rooftops, and parking areas all increase runoff and mobilize many pollutants that have deposited on these surfaces that are then carried into our waterways. Proper management of this stormwater through green infrastructure is essential to address these challenges and reduce the environmental and ecological impacts brought about by this runoff.



This book brings into focus resilient stormwater control measures (SCMs) for the reduction of stormwater flows and associated pollutants that can detrimentally impact our local environmental and ecological systems. These interventions are green infrastructure based, utilizing natural hydrologic and environmental features using soil and vegetation to manage stormwater. These technologies include water harvesting, bioretention and bioinfiltration, vegetated swales and filter strips, permeable pavements, sand filters, green roofs, and stormwater wetlands, among others. The basic science and engineering of these technologies is discussed, including performance information and best maintenance practices. *Green Stormwater Infrastructure* is an ideal resource for environmental, civil, and biological engineers and environmental scientists in the consulting field. Landscape architects, managers and engineers of watershed districts, and members of federal, state, and local governmental agencies--especially those in the departments of environmental protection and transportation--will find many uses for this guidebook. It will also be of interest to professors, upper-level undergraduates and graduate students in environmental, civil, and biological engineering programs.

AUGUST 2022 528PP
978-1-118-59019-5 CL \$135.00 (Japan)
Sustainable Chemistry & Green Chemistry

Step into the Metaverse

How the Immersive Internet Will Unlock a Trillion-Dollar Social Economy

MARK VAN RIJMENAM

An incisive glimpse into the future of the internet

In *Step into the Metaverse: How the Immersive Internet Will Unlock a Trillion-Dollar Social Economy*, future tech strategist, entrepreneur, and thought leader Dr. Mark van Rijmenam delivers a startlingly insightful discussion about how the world as we know it will fundamentally change as the physical and the digital worlds merge into the metaverse, impacting the everyday experiences of people, companies, and societies. The author maps out the extraordinary opportunities and challenges facing business leaders, consumers, regulators, policymakers, and other metaverse stakeholders trying to navigate the future of the Internet.



In the metaverse, you can be who you want to be, where you want to be, and companies and consumers are only restricted by their own creativity how they can benefit from the immersive internet.

A fascinating read you won't be able to put down, *Step into the Metaverse* belongs in the hands of executives, managers, and other business leaders who play a role in digital transformation or execution. It's also an invaluable resource for anyone interested in the future of technology, the internet, and social interaction.

AUGUST 2022 256PP
978-1-119-88757-7 PB \$28.00 (Japan)
Internet General

コンピュータサイエンス

Cybersecurity in Smart Homes

Architectures, Solutions and Technologies

RIDA KHATOUN

AUGUST 2022 300PP
978-1-78945-086-6 CL \$165.00 (Japan)
Networking / Security

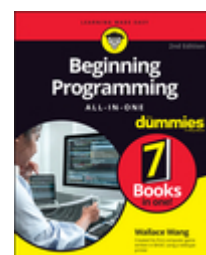
Beginning Programming All-in-One For Dummies

2nd Edition

WALLACE WANG, SAN DIEGO, UNITED STATES

Let there be code!

Beginning Programming All-in-One For Dummies offers one guide packed with 7 books to teach you programming across multiple languages. Coding can seem complex and convoluted, but Dummies makes it simple and easy to understand. You'll learn all about the principles of programming, algorithms, data structures, debugging programs, unique applications of programming and more while learning about some of the most popular programming languages used today. Move confidently forward in your computer science coursework or straight into the workforce. You'll come away with a rock-solid foundation in the programming basics, using data, coding for the web, and building killer apps.



- Learn the basics of coding, including writing and compiling code, using algorithms, and data structures
- Get comfortable with the syntax of several different programming languages
- Wrap your mind around interesting programming opportunities such as conducting biological experiments within a computer or programming a video game engine
- Develop cross-platform applications for desktop and mobile devices

This essential guide takes the complexity and convolution out of programming for beginners and arms you with the knowledge you need to follow where the code takes you.

AUGUST 2022 800PP
978-1-119-88440-8 PB \$39.99 (Japan)
PROGRAMMING & SOFTWARE DEVELOPMENT

Practical Industrial Cybersecurity

ICS, Industry 4.0, and IIoT

CHARLES J. BROOKS & PHILIP A. CRAIG JR.

A practical roadmap to protecting against cyberattacks in industrial environments

In *Practical Industrial Cybersecurity: ICS, Industry 4.0, and IIoT*, veteran electronics and computer security author Charles J. Brooks and electrical grid cybersecurity expert Philip Craig deliver an authoritative and robust discussion of how to meet modern industrial cybersecurity challenges. The book outlines the tools and techniques used by practitioners in the industry today, as well as the foundations of the professional cybersecurity skillset required to succeed on the SANS Global Industrial Cyber Security Professional (GICSP) exam.



Practical Industrial Cybersecurity is an indispensable read for anyone preparing for the Global Industrial Cyber Security Professional (GICSP) exam offered by the Global Information Assurance Certification (GIAC). It also belongs on the bookshelves of cybersecurity personnel at industrial process control and utility companies.

Practical Industrial Cybersecurity provides key insights to the Purdue ANSI/ISA 95 Industrial Network Security reference model and how it is implemented from the production floor level to the Internet connection of the corporate network. It is a valuable tool for professionals already working in the ICS/Utility network environment, IT cybersecurity personnel transitioning to the OT network environment, and those looking for a rewarding entry point into the cybersecurity field.

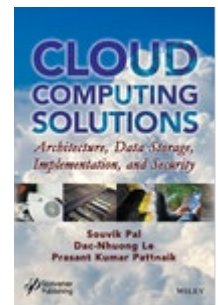
AUGUST 2022 624PP
978-1-119-88302-9 PB \$50.00 (Japan)
Programming & Software Development

Cloud Computing Solutions

Architecture, Data Storage, Implementation, and Security

SOUVIK PAL, DAC-NHUONG LE & PRASANT KUMAR PATTNAIK

This book discusses the evolution of cloud computing through grid computing and cluster computing. The main purpose of this book is to include all the cloud-related technologies in a single platform, so that researchers and students and those in industry can easily understand the cloud-based ecosystems. This book will take the reader on a journey that begins with understanding the cloud infrastructure paradigm in cloud-enabled technologies and how it can be applied in various ways. It will help researchers and practitioners to understand grid and distributed computing, cloud infrastructure, virtual machine, virtualization, live migration, scheduling techniques, auditing concept, security and privacy, business models, and case studies through the state of-the-art in cloud computing countermeasures.

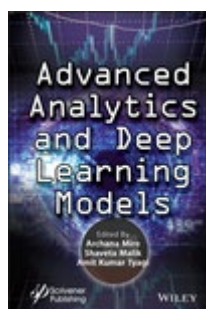


AUGUST 2022 400PP
978-1-119-68165-6 CL \$225.00 (Japan)
Database & Data Warehousing Technologies

Advanced Analytics and Deep Learning Models

EDITOR ARCHANA MIRE, EDITOR SHAVETA MALIK & EDITOR AMIT KUMAR TYAGI

The book provides readers with an in-depth understanding of concepts and technologies related to the importance of analytics and deep learning in many useful real-world applications such as e-healthcare, transportation, agriculture, stock market, etc.



Advanced analytics is a mixture of machine learning, artificial intelligence, graphs, text mining, data mining, semantic analysis. It is an approach to data analysis. Beyond the traditional business intelligence, it is a semi and autonomous analysis of data by using different techniques and tools.

However, deep learning and data analysis both are high centers of data science. Almost all the private and public organizations collect heavy amounts of data, i.e., domain-specific data. Many small/large companies are exploring large amounts of data for existing and future technology. Deep learning is also exploring large amounts of unsupervised data making it beneficial and effective for big data. Deep learning can be used to deal with all kinds of problems and challenges that include collecting unlabeled and uncategorized raw data, extracting complex patterns from a large amount of data, retrieving fast information, tagging data, etc.

This book contains 16 chapters on artificial intelligence, machine learning, deep learning, and their uses in many useful sectors like stock market prediction, a recommendation system for better service selection, e-healthcare, telemedicine, transportation. There are also chapters on innovations and future opportunities with fog computing/cloud computing and artificial intelligence.

SERIES: NEXT GENERATION COMPUTING AND COMMUNICATION ENGINEERING

AUGUST 2022 432PP
978-1-119-79175-1 CL \$225.00 (Japan)
Artificial Intelligence

AI and the Future of the Public Sector

The Creation of Public Sector 4.0

TONY BOOBIER

Discover how data, analytics, and AI will transform public services for the better

In *AI and the Future of the Public Sector: The Creation of Public Sector 4.0*, renowned executive and consultant Tony Boobier delivers a comprehensive reference of the most relevant and central issues regarding the adoption and implementation of AI in the public sector. In the book, you'll find out why data and analytics are the solution to significant and ongoing problems in the public service relating to its ability to effectively provide services in an environment of reduced funding. You'll also discover the likely impact of future technological developments, like 5G and quantum computing, as well as explore the future of healthcare and the effective digitalization of the healthcare industry.



The book also offers:

- Discussions of policing 4.0 and how data and analytics will transform public safety
- Explorations of the future of education and how ai can dramatically enhance educational standards while reducing costs
- Treatments of the internationalization of public services and its impact on agencies and departments everywhere

A can't-miss resource for public sector employees at the managerial and professional levels, *AI and the Future of the Public Sector* is an insightful and timely blueprint to the effective use of artificial intelligence that belongs in the bookshelves of policy makers, academics, and public servants around the world.

SERIES: WILEY FINANCE

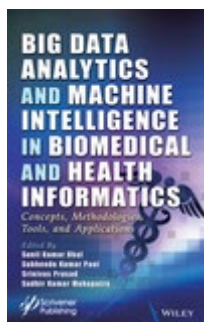
AUGUST 2022 272PP
978-1-119-86810-1 CL \$55.00 (Japan)
Artificial Intelligence

Big Data Analytics and Machine Intelligence in Biomedical and Health Informatics

Concepts, Methodologies, Tools, and Applications

EDITOR SUNIL KUMA DHAL, EDITOR SRINIVAS PRASAD, EDITOR
SUDHIR KUMAR MOHAPATRA & EDITOR SUBHENDU KUMAR
PANI

This book covers the latest advances and developments in health informatics, data mining, machine learning and artificial intelligence, fields which to a great extent will play a vital role in improving human life. The 12 chapters present scientific concepts, frameworks and ideas on biomedical data analytics from the different biomedical domains ranging from issues pertaining to the Internet of Things for biomedical engineering and health informatics, computational intelligence for medical data processing and Internet of Medical Things.



Introduction to Artificial Intelligence in Renewable Energy and Climate Change

PANDIAN VASANT, VALERIY KHARCHENKO, J. JOSHUA
THOMAS, GERHARD-WILHELM WEBER & ANIRBAN BANIK

AUGUST 2022 UnknownPP
978-1-119-76898-2 CL \$225.00 (Japan)
Artificial Intelligence

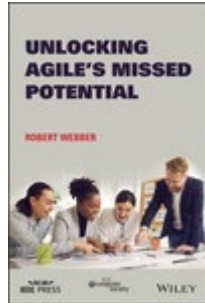
SERIES: ADVANCES IN INTELLIGENT AND SCIENTIFIC
COMPUTING

AUGUST 2022 352PP
978-1-119-79173-7 CL \$225.00 (Japan)
Artificial Intelligence

Unlocking Agile's Missed Potential

ROBERT WEBBER

Agile has not delivered on its promises. The business side expected faster time to market, but they still experience the long delays of bloated releases. Engineers thought they would be given time to build the product right the first time, but they are rushed under pressure to deliver new features within impossible schedules. What went wrong?



The culprit is feature-based waterfall release planning perpetuated in a vain attempt to achieve business predictability. Agile didn't address the business need for multi-year financial predictability. The Agile community's answer was the naïve response, "The business needs to be more Agile." Waterfall release planning with fixed schedules undercuts a basic tenet of Agile development -- the need to adjust content delivered within a time box to account for evolving requirements and incorporation of feedback. Agile without flexible content is not Agile.

This book introduces a novel solution that enables product teams to deliver higher value within shorter cycle times while meeting the predictability needs of the business.

Organizations today want product teams that break down walls between product management and engineering to achieve schedule and financial objectives. Until now they haven't had a way to implement product teams within the rigid constraints of traditional organizational structures.

The Investment planning approach described in this book supports small development increments planned and developed by product teams aligned by common schedule and financial goals. It uses Cost of Delay principles to prioritize work with the highest value and shortest cycle times. Investments provide a vehicle for collaboration and innovation and fulfill the promise of highly motivated self-directed Agile development teams.

This book is for engineers, product managers and project managers who want to finally do Agile the way it was envisioned. This book is also for leaders who want to build high-performance teams around the inherent motivational environment of Agile when done right. It allows VCs to obtain the fastest return on their investments.

AUGUST 2022 304PP
978-1-119-84908-7 CL \$89.95 (Japan)
Software Engineering

Digitalization and Control of Industrial Cyber-Physical Systems

Concepts, Technologies and Applications

OLIVIER CARDIN, WILLIAM DERIGENT & DAMIEN TRENTESAUX

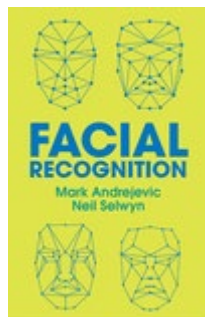
AUGUST 2022 344PP
978-1-78945-085-9 CL \$165.00 (Japan)
Computer Science Special Topics

コミュニケーション

Facial Recognition

MARK ANDREJEVIC & NEIL SELWYN

READERSHIP: Advanced undergraduates, graduates and scholars in Media and Communications Studies, Surveillance Studies, Criminology and Sociology. The book's accessible writing style makes it suitable for a non-specialist readership.



AUGUST 2022 224PP
978-1-5095-4732-6 CL \$59.95 (Japan)
978-1-5095-4733-3 PB \$19.95 (Japan)
Media Studies

The Ethical Journalist

Making Responsible Decisions in the Digital Age

3rd Edition

GENE FOREMAN, DANIEL R. BIDDLE, EMILIE LOUNSBERRY & RICHARD G. JONES

Pennsylvania State University, USA

Praise for the Third Edition of The Ethical Journalist

"A riveting examination of journalism ethics, updated for the seismic change that is now an industry constant. *The Ethical Journalist* is written to fortify journalism students, but real-life examples of everything from faked photographs to reporting on presidential lies make it valuable to all of us who care about the news."

ANN MARIE LIPINSKI, CURATOR OF THE NIEMAN FOUNDATION AT HARVARD UNIVERSITY AND FORMER EDITOR OF THE CHICAGO TRIBUNE



"At a time when the internet has turned journalism inside out and blown up long-held traditions, the need for media ethics is even more critical. This is the book to help guide students and the rest of us through the revolution."

ALICIA C. SHEPARD, FORMER NPR OMBUDSMAN

The third edition of *The Ethical Journalist* is a comprehensive examination of current issues in the field of journalism ethics, researched and written by four journalists with experience in both the newsroom and the classroom. It gives students and professionals the tools they need to navigate the challenges of journalism today, first explaining the importance of ethics in journalism and then putting a decision-making strategy to work. The text is supplemented by case studies and essays, and two companion websites provide additional materials for educators and a forum for all users to discuss new topics in journalism ethics as they arise.

AUGUST 2022 448PP
978-1-119-77747-2 PB \$64.95 (Japan)
JOURNALISM

歯学

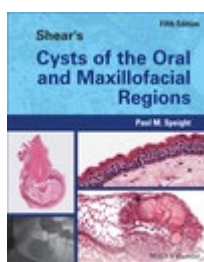
Shear's Cysts of the Oral and Maxillofacial Regions

5th Edition

PAUL M. SPEIGHT

School of Clinical Dentistry, University of Sheffield

The new Fifth Edition of *Shear's Cysts of the Oral and Maxillofacial Regions* delivers a comprehensive treatise on cysts that arise in the oral and maxillofacial tissues. It is the gold-standard on oral and maxillofacial cysts for professionals working in head and neck pathology, oral medicine, head and neck surgery, and radiology.



The book has been completely revised and rewritten to enable readers to easily access key facts and important information that will assist in diagnosis and management of these lesions. The text has been updated, with increased emphasis on histopathology and differential diagnosis, and with a new layout that makes information more accessible to students and trainees at all levels, as well as to non-specialist clinicians and general pathologists faced with an individual lesion that requires diagnosis and management.

Shear's Cysts of the Oral and Maxillofacial Regions Fifth Edition is a valuable resource for specialists and trainees in oral and maxillofacial pathology, oral medicine, and head and neck surgery, as well as radiologists seeking a comprehensive understanding of oral and maxillofacial cysts.

AUGUST 2022 384PP
978-1-119-35499-4 CL \$190.00 (Japan)
ORAL PATHOLOGY

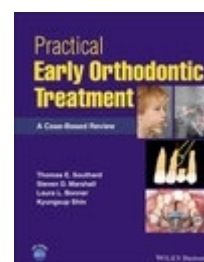
Practical Early Orthodontic Treatment

A Case-Based Review

THOMAS E. SOUTHARD, STEVEN D. MARSHALL, LAURA L. BONNER & KYUNGSUP SHIN

University of Iowa, Iowa City, IA, USA; University of Iowa, Iowa City, IA, USA; University of Iowa, Iowa City, IA, USA

Practical Early Orthodontic Treatment: A Case-Based Review delivers exhaustive instruction in the evaluation and treatment of childhood malocclusions and dentofacial deformities.



Written as a "mini-residency," this book uses a question-and-answer format to encourage the reader to think critically and gauge the progress of his/her understanding. It provides the reader with a robust foundation for making the best possible childhood evaluation and treatment decisions. The book offers:

- A thorough overview of general early treatment principles
- An extensive discussion of facial skeleton, airway, and dentition growth and development concepts
- Comprehensive explorations of early crowding, eruption problems, and missing succedaneous teeth
- Extensive presentations of early anteroposterior, vertical, and transverse problems with treatment solutions
- A vast collection of high-quality images illustrating the conditions and appropriate therapies
- 200-slide PowerPoint presentation covering the principles
- Video clips of lectures using a question-and-answer format

Perfect for orthodontists, pediatric dentists, and dentists in general practice, *Practical Early Orthodontic Treatment: A Case-Based Review* is also useful to residents and dental students with an interest in orthodontic care.

AUGUST 2022 928PP
978-1-119-79359-5 CL \$249.99
Orthodontics

経済学

Marxian Economics

An Introduction

DAVID F. RUCCIO

READERSHIP: Students and scholars of Marxian economics and political economy.



AUGUST 2022 224PP
978-1-5095-4797-5 CL \$69.95 (Japan)
978-1-5095-4798-2 PB \$24.95 (Japan)
Economic Theory

Why the West is Failing

Failed Economics and the Rise of the East

JOHN MILLS

READERSHIP: General readers interested in global economics and politics.



AUGUST 2022 220PP
978-1-5095-5193-4 CL \$64.95 (Japan)
978-1-5095-5194-1 PB \$22.95 (Japan)
International Economics & Trade

教育

Emotional Processes in Learning Situations

MARIANNE HABIB

AUGUST 2022 268PP
978-1-78945-042-2 CL \$165.00 (Japan)
General & Introductory Education

電気電子工学

Nuclear Electronics with Quantum Cryogenic Detectors

2nd Edition

VLADIMIR POLUSHKIN

Oxford Instruments Analytical, UK

Quantum nuclear electronics is an important scientific and technological field that overviews the development of the most advanced analytical instrumentation. This instrumentation covers a broad range of applications such as astrophysics, fundamental nuclear research facilities, chemical nano-spectroscopy laboratories, remote sensing, security systems, forensic investigations, and more. In the years since the first edition of this popular resource, the discipline has developed from demonstrating the unprecedented energy resolving power of individual devices to building large frame cameras with hundreds of thousands of pixel arrays capable of measuring and processing massive information flow.



Building upon its first edition, the second edition of *Nuclear Electronics with Quantum Cryogenic Detectors* reflects the latest advances by focusing on novel microwave kinetic inductance detection devices (MKIDs), the microwave superconducting quantum interferometers (MSQUIDS) extending by orders of magnitude the scalability of cryogenic detectors implementing newly developed multiplexing techniques and decoding algorithms. More, it reflects on the interaction of quantum cryogenic detectors--which in turn can be paired with semiconductor large frame cameras to provide a broad picture of a sky or chemical sample--and quantum devices, making this second edition of the *Nuclear Electronics* a one-stop reference for the combined technologies. The book also provides an overview of the all the latest developments in front-end electronics, signal processing channels, and cryogenics--all components of quantum spectroscopic systems--and provides guidance on the design and applications of the future quantum cryogenic ultra-high-resolution spectrometers.

AUGUST 2022 400PP
978-1-119-83468-7 CL \$175.00 (Japan)
QUANTUM ELECTRONICS

Wearable and Neuronic Antennas for Medical and Wireless Applications

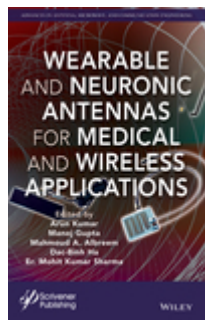
EDITOR ARUN KUMAR, EDITOR MANOJ GUPTA, EDITOR
MAHMOUD A. ALBREEM, EDITOR DAC-BINH HA & EDITOR ER.
MOHIT KUMAR SHARMA

National University of Singapore

This new volume in this exciting new series, written and edited by a group of international experts in the field, covers the latest advances and challenges in wearable and neuronic antennas for medical and wireless applications.

Antenna development and engineering is changing at a rapid pace, and it is incredibly important that engineers, scientists, and students in the field have a valuable reference work to consult. Students are able to use this book as a learning tool, and professors and industrial short courses are able to use it as a textbook. Covering all of the advances and developments of wearable and neuronic antennas for medical and wireless applications, this outstanding new volume offers information not available anywhere else in any other format.

Covering new research and development of antenna designs never seen before, this volume, written and edited by a team of experts in the field, breaks new ground, offering new solutions to engineering and scientific problems to experts in the field, while providing the full theoretical and conceptual background for the practical applications. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.



SERIES: ADVANCES IN ANTENNA, MICROWAVE, AND
COMMUNICATION ENGINEERING

AUGUST 2022 272PP
978-1-119-79180-5 CL \$195.00 (Japan)
Antennas & Propagation

Multimedia Security 2

Biometrics, Video Surveillance and Multimedia
Encryption

WILLIAM PUECH

AUGUST 2022 318PP
978-1-78945-027-9 CL \$165.00 (Japan)
Communication System Security

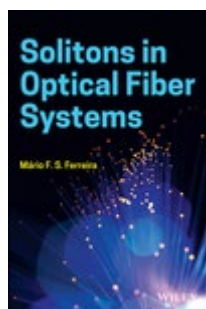
Solitons in Optical Fiber Systems

MARIO F. S. FERREIRA

Optical Society of America (OSA); SPIE - The International Society for Optical and Photonics

Discover a robust exploration of the main properties and behaviors of solitons in fiber systems

In *Solitons in Optical Fiber Systems*, distinguished researcher Dr. Mário F. S. Ferreira delivers a thorough treatment of the main characteristics of solitons in optical fiber communication systems and fiber devices, paying special attention to stationary and pulsating dissipative soliton pulses. The book discusses the technical aspects associated with the physical background and the theoretical description of soliton characteristics under different conditions.



The author employs numerical analyses and variational approaches to describe soliton evolution and describes the phenomenon of supercontinuum generation and various solitonic effects observed in highly nonlinear fibers, like photonic crystal fibers.

Readers will learn about different applications of fiber solitons in transmission systems, fiber lasers, couplers, and pulse compression schemes, as well as complex Ginzburg-Landau equations, which are used to model different types of dissipative systems.

Perfect for senior undergraduate and graduate students in courses dealing with fiber-optics technology, *Solitons in Optical Fiber Systems* is also an ideal resource for engineers and technicians in the fiber-optics industry and researchers of nonlinear fiber optics.

AUGUST 2022 432PP
978-1-119-50667-6 CL \$130.00 (Japan)
Optical Communications

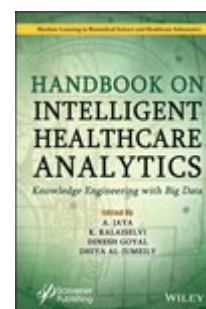
Handbook on Intelligent Healthcare Analytics

Knowledge Engineering with Big Data Analytics

EDITOR A. JAYA, EDITOR K. KALAISELVI, EDITOR DINESH GOYAL & EDITOR DHIYA AL-JUMEILY

The book explores the various recent tools and techniques used for deriving knowledge from healthcare data analytics for researchers and practitioners.

The power of healthcare data analytics is being increasingly used in the industry. Advanced analytics techniques are used against large data sets to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information.



A Handbook on Intelligent Healthcare Analytics covers both the theory and application of the tools, techniques, and algorithms for use in big data in healthcare and clinical research. It provides the most recent research findings to derive knowledge using big data analytics, which helps to analyze huge amounts of real-time healthcare data, the analysis of which can provide further insights in terms of procedural, technical, medical, and other types of improvements in healthcare.

Audience

Healthcare professionals, researchers, and practitioners who wish to figure out the core concepts of smart healthcare applications and the innovative methods and technologies used in healthcare will all benefit from this book.

SERIES: MACHINE LEARNING IN BIOMEDICAL SCIENCE AND HEALTHCARE INFORMATICS

AUGUST 2022 448PP
978-1-119-79179-9 CL \$225.00 (Japan)
Intelligent Systems & Agents

Social Network Analysis

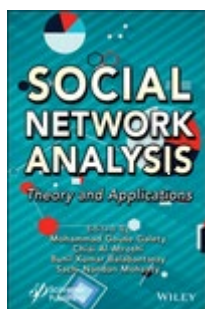
Theory and Applications

EDITOR MOHAMMAD GOUSE GALETY, EDITOR CHIAI AL ATROSHI,
EDITOR BUNI BALABANTARAY & EDITOR SACHI NANDAN
MOHANTY

IIT Kharagpur

As social media dominates our lives in increasing intensity, the need for developers to understand the theory and applications is ongoing as well. This book serves that purpose.

Social network analysis is the solicitation of network science on social networks, and social occurrences are denoted and premeditated by data on coinciding pairs as the entities of opinion.



The book features:

- Social network analysis from a computational perspective using python to show the significance of fundamental facets of network theory and the various metrics used to measure the social network.
- An understanding of network analysis and motivations to model phenomena as networks.
- Real-world networks established with human-related data frequently display social properties, i.e., patterns in the graph from which human behavioral patterns can be analyzed and extracted.
- Exemplifies information cascades that spread through an underlying social network to achieve widespread adoption.
- Network analysis that offers an appreciation method to health systems and services to illustrate, diagnose, and analyze networks in health systems.

Audience

The book will interest computer scientists, AI researchers, IT and software engineers, mathematicians.

AUGUST 2022 256PP
978-1-119-83623-0 CL \$195.00 (Japan)
Intelligent Systems & Agents

Surface Displacement Measurement from Remote Sensing Images

OLIVIER CAVALIE & EMMANUEL TROUVE

AUGUST 2022 416PP
978-1-78945-083-5 CL \$165.00 (Japan)
Remote Sensing

Emerging Computing Paradigms

Principles, Advances and Applications

EDITOR UMANG SINGH, EDITOR SAN MURUGESAN & EDITOR
ASHISH SETH

University of Western Sydney

This book presents a holistic overview of major new computing paradigms of the 21st Century

In *Emerging Computing Paradigms: Principles, Advances and Applications*, international scholars offer a compendium of essential knowledge on new promising computing paradigms. The book examines the characteristics and features of emerging computing technologies and provides insight into recent technological developments and their potential real-world applications that promise to shape the future.



This book is a useful resource for all those who wish to quickly grasp new concepts of and insights on emerging computer paradigms and pursue further research or innovate new novel applications harnessing these concepts.

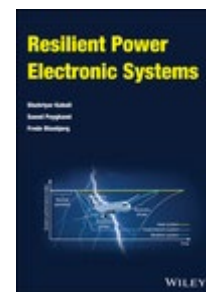
Aimed at IT professionals, educators, researchers, and students, *Emerging Computing Paradigms: Principles, Advances and Applications* is a comprehensive knowledge resource to get ahead of the curve in examining and exploiting emerging new concepts and technologies. Business executives will also find the book valuable and gain an advantage over competitors in harnessing the concepts examined therein.

AUGUST 2022 352PP
978-1-119-81340-8 CL \$150.00 (Japan)
Quantum Computing

Resilient Power Electronic Systems

SHAHRIYAR KABOLI, SAEED PEYGHAMI & FREDE BLAABJERG

Resilient Power Electronic Systems explores the challenges in power electronic converters, analyzing failure mechanisms, including internal and external faults. This book expertly presents advanced techniques for reducing noise effect on fault detection and prognosis. Comprised in thirteen chapters, the authors' noted experts on the topic deal with resilience and effective operative life concepts in the field of power electronics. Methods for resilience and power electronic converters are presented, in addition to the difference between high reliability and high efficiency systems. This book demonstrates how high efficiency is not equivalent to high reliability in complex systems and various methods are presented to improve the resilience of power converters.



AUGUST 2022 368PP
978-1-119-77218-7 CL \$140.00 (Japan)
Power Electronics

エネルギー

Acoustic and Vibrational Enhanced Oil Recovery

GEORGE V. CHILINGAR, KAZEM MAJID SADEGHI & OLEG LEONIDOVICH KUZNETSOV

University of Southern California (USC); University of California, Santa Barbara (UCSB); University of Southern California (USC); California State Polytechnic University, Pomona; Moscow Geological-Prospecting Institute

Based on research they did in the 1970s in Russia and the United States, the authors discovered that oil rate production increased noticeably several days after the occurrence of an earthquake when the epicenter of the earthquake was located in the vicinity of the oil producing field. The increase in oil flow remained higher for a considerable period of time, and it led to a decade-long study both in the Russia and the US, which gradually focused on the use of acoustic/vibrational energy to for enhanced oil recovery after reservoirs waterflooded. In the 1980s, they noticed in soil remediation studies that sonic energy applied to soil increases the rate of hydrocarbon removal and decreases the percentage of residual hydrocarbons. In the past several decades, the use of various seismic vibration techniques have been used in various countries and have resulted in incremental oil production.

This outstanding new volume validates results of vibro-stimulation tests for enhanced oil recovery, using powerful surface-based vibro-seismic sources. It proves that the rate of displacement of oil by water increases and the percentage of nonrecoverable residual oil decreases if vibro-energy is applied to the porous medium containing oil. The book outlines the physical foundations of vibration and acoustic impact on the reservoir to enhance oil recovery and increase the rate of development of depleted and waterlogged oil fields. The developed technologies are environmentally friendly and do not cause damage to well structure elements. This book is for students, researchers, engineering personnel and operators involved in petroleum engineering, geophysics, and for revitalizing dead or abandoned oilfields. Whether for the veteran engineer or scientist, the student, or a manager or other technician working in the field, this volume is a must-have for any library.

AUGUST 2022 432PP
978-1-119-76015-3 CL \$225.00 (Japan)
Fossil Fuels

Petroleum Refining Design and Applications Handbook, Volume 3

Piping Design, Packed Towers, Pumps and Compressors, Liquid-Liquid Extraction, Distillation, and Process Safety Incidents

EDITOR A. KAYODE COKER

University of Wolverhampton, UK

This third volume in the *Petroleum Refining* set, this book continues the most up-to-date and comprehensive coverage of the most significant and recent changes to petroleum refining, presenting the state-of-the-art to the engineer, scientist, or student.

This book provides the design of process equipment, such as vessels for the separation of two-phase and three-phase fluids, using Excel spreadsheets, and extensive process safety investigations of refinery incidents, distillation, distillation sequencing, and dividing wall columns. It also covers multicomponent distillation, packed towers, liquid-liquid extraction using UniSim design software, shell and tube heat exchangers, double pipe heat exchangers, air-cooled exchangers, energy management and pinch analysis, and process safety incidents involving these equipment items and pertinent industrial case studies.

Use of UniSim Design (UniSim STE) software is illustrated in further elucidation of the design of shell and tube heat exchangers, condensers, and UniSim ExchangerNet R470 for the design of heat exchanger networks using pinch analysis. This is important for determining minimum cold and hot utility requirements, composite curves of hot and cold streams, the grand composite curve, the heat exchanger network, and the relationship between operating cost index target and the capital cost index target against \dot{T}_{min} . Useful as a textbook, this is also an excellent, handy go-to reference for the veteran engineer, a volume no chemical or process engineering library should be without. Written by one of the world's foremost authorities, this book sets the standard for the industry and is an integral part of the petroleum refining renaissance. It is truly a must-have for any practicing engineer or student in this area.

AUGUST 2022 UnknownPP
978-1-119-79486-8 CL \$295.00 (Japan)
Fossil Fuels

環境科学

DC Microgrids

Advances, Challenges, and Applications

NIKITA GUPTA, MAHAJAN SAGAR BHASKAR, SANJEEVIKUMAR
PADMANABAN & DHAIFER ALMAKHLES

The electric grid is on the threshold of a paradigm shift. In the past few years, the picture of the grid has changed dramatically due to the introduction of renewable energy sources, advancements in power electronics, digitalization, and other factors. All these megatrends are pointing toward a new electrical system based on Direct Current (DC). DC power systems have inherent advantages of no harmonics, no reactive power, high efficiency, over the conventional AC power systems. Hence, DC power systems have become an emerging and promising alternative in various emerging applications, which include distributed energy sources like wind, solar and Energy Storage System (ESS); distribution networks; smart buildings, remote telecom systems; and transport electrification like electric vehicles (EVs) and shipboard.

All these applications are designed at different voltages to meet their specific requirements individually because of the lack of standardization. Thus, the factors influencing the DC voltages and system operation needed to be surveyed and analyzed, which include voltage standards, architecture for existing and emerging applications, topologies and control strategies of power electronic interfaces, fault diagnosis and design of the protection system, optimal economical operation, and system reliability.

This groundbreaking new volume presents these topics and trends of DC microgrids, bridging the research gap on DC microgrid architectures, control and protection challenges to enable wide-scale implementation of energy-efficient DC microgrids. Whether for the veteran engineer or the student, this is a must-have for any library.

AUGUST 2022 480PP
978-1-119-77716-8 CL \$225.00 (Japan)
Smart Grid**Introduction to Waste Management**

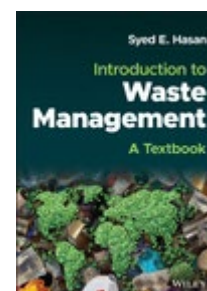
A Textbook

SYED E. HASAN

An introductory textbook offering comprehensive coverage of the management of municipal, hazardous, medical, electronic, and nuclear waste

Written by an experienced instructor in the field of solid waste management, this modern text systematically covers the five key types of solid wastes: municipal, hazardous/industrial, medical/biological, electronic, and nuclear, discussing their sources, handling, and disposal along with the relevant laws that govern their management.

With its emphasis on industry standards and environmental regulations, it bridges the gap between theoretical models and real-life challenges in waste disposal and minimization. Instructors and students in environmental science, geology, and geography may use *Introduction to Waste Management* to better understand the five main types of solid waste and their management both from a local and a global perspective.

AUGUST 2022 416PP
978-1-119-43393-4 PB \$115.00 (Japan)
Environmental Management, Policy & Planning

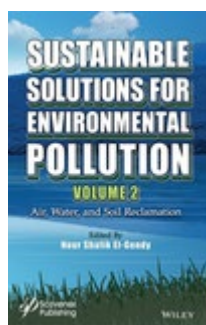
Sustainable Solutions for Environmental Pollution, Volume 2

Air, Water, and Soil Reclamation

EDITOR NOUR SHAFIK EL-GENDY

Egyptian Petroleum Research Institute (EPRI)

This second volume in a broad, comprehensive two-volume set, "Sustainable Solutions for Environmental Pollution", concentrates on air, water, and soil reclamation, some of the biggest challenges facing environmental engineers and scientists today.



This second, new volume in the two-volume set, *Sustainable Solutions for Environmental Pollution*, picks up where volume one left off, covering the remediation of air, water, and soil environments. Outlining new methods and technologies for all three environmental scenarios, the authors and editor go above and beyond, introducing naturally-based techniques in addition to changes and advances in more standard methods.

Written by some of the most well-known and respected experts in the field, with a prolific and expert editor, this volume takes a multidisciplinary approach, across many scientific and engineering fields, intending the two-volume set as a "one-stop shop" for all of the advances and emerging techniques and processes in this area.

This groundbreaking new volume in this forward-thinking set is the most comprehensive coverage of all of these issues, laying out the latest advances and addressing the most serious current concerns in environmental pollution. Whether for the veteran engineer or the student, this is a must-have for any library.

AUDIENCE: Petroleum, chemical, process, and environmental engineers, other scientists and engineers working in the area of environmental pollution, and students at the university and graduate level studying these areas.

AUGUST 2022 576PP
978-1-119-82751-1 CL \$249.00 (Japan)
Environmental Science

Meta-attributes and Artificial Networking

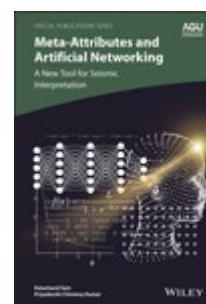
A New Tool for Seismic Interpretation

KALACHAND SAIN & PRIYADARSHI CHINMOY KUMAR

CSIR-National Geophysical Research Group, Hyderabad, India

A New Tool for Seismic Interpretation

Seismic data gathered on the surface can be used to generate numerous seismic attributes that enable better understanding of subsurface geological structures and stratigraphic features. With an ever-increasing volume of seismic data available, machine learning augments faster data processing and interpretation of complex subsurface geology.



Meta-Attributes and Artificial Networking: A New Tool for Seismic Interpretation explores how artificial neural networks can be used for the automatic interpretation of 2D and 3D seismic data.

Volume highlights include:

- Historic evolution of seismic attributes
- Overview of meta-attributes and how to design them
- Workflows for the computation of meta-attributes from seismic data
- Case studies demonstrating the application of meta-attributes
- Sets of exercises with solutions provided
- Sample data sets available for hands-on exercises

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

SERIES: SPECIAL PUBLICATIONS

AUGUST 2022 288PP
978-1-119-48200-0 CL \$199.95 (Japan)
Geology & Geophysics

Isotopic Constraints on Earth System Processes

EDITOR KENNETH W. W. SIMS, EDITOR KATHARINE (KATE) MAHER & EDITOR DANIEL P. SCHRAG

From establishing the absolute age of the Earth to providing a stronger understanding of the nexus between geology and life, the careful measurement and quantitative interpretation of minor variations in the isotopic composition of Earth's materials has provided profound insight into the origins and workings of our planet.



Isotopic Constraints on Earth System Processes presents examples of the application of numerous different isotope systems to address a wide range of topical problems in Earth system science.

Volume highlights include:

- examination of the natural fractionation of non-traditional stable isotopes
- utilizing isotopes to understand the origin of magmas and evolution of volcanic systems
- application of isotopes to interrogate and understand Earth's Carbon and Oxygen cycles
- examination of the geochemical and hydrologic processes that lead to isotopic fractionation
- application of isotopic reactive transport models to decipher hydrologic and biogeochemical processes

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

SERIES: GEOPHYSICAL MONOGRAPH SERIES

AUGUST 2022 352PP
978-1-119-59497-0 CL \$199.95 (Japan)
Geochemistry & Mineralogy

Continental Rifted Margins 1

Definition and Methodology

GWENN PERON-PINVIDIC

AUGUST 2022 368PP
978-1-78945-061-3 CL \$165.00 (Japan)
Environmental Geoscience

Continental Rifted Margins 2

Case Examples

GWENN PERON-PINVIDIC

AUGUST 2022 252PP
978-1-78945-062-0 CL \$165.00 (Japan)
Environmental Geoscience

Introduction to Aerosol Modelling

From Theory to Code

EDITOR DAVID L. TOPPING & EDITOR MICHAEL BANE

CSIRO Division of Health Sciences & Nutrition, Adelaide, Australia

An aerosol particle is defined a solid or liquid particle suspended in a carrier gas. Whilst we often treat scientific challenges in a siloed way, aerosol particles are of interest across many disciplines. For example, atmospheric aerosol particles are key determinants of air quality and climate change. Knowledge of aerosol physics and generation mechanisms is key to efficient fuel delivery and drug delivery to the lungs. Likewise, various manufacturing processes require optimal generation, delivery and removal of aerosol particles in a range of conditions.

There is a natural tendency for the aerosol scientist to therefore work at the interface of the traditional academic subjects of physics, chemistry, biology, mathematics and computing. The impacts that aerosol particles have are linked to their evolving chemical and physical characteristics. Likewise, the chemical and physical characteristic of aerosol particles reflect their sources and subsequent processes they have been subject to. Computational models are not only essential for constructing evidence-based understanding of important aerosol processes, but also to predict change and impact. Whilst existing textbooks provide an overview of theoretical frameworks on which aerosol models are based, there is a significant gap in reference material that provide training in translating theory into code.

The purpose of this book is to provide readers with exactly that. In following the content provided in this book, you will be able to reproduce models of key processes that can either be used in isolation or brought together to construct a demonstrator OD box-model of a coupled gaseous-particulate system. You may be reading this book as an undergraduate, postgraduate, seasoned researcher in the private/public sector or as someone who wishes to better understand the pathways to aerosol model development. Wherever you position yourself, it is hoped that the tools you will learn through this book will provide you with the basis to develop your own platforms and to ensure the next generation of aerosol modellers are equipped with foundational skills to address future challenges in aerosol science.

AUGUST 2022 900PP
978-1-119-62565-0 PB \$120.00 (Japan)
Atmospheric Sciences

ファイナンス／インベストメント

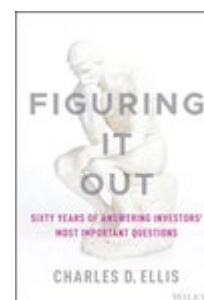
Figuring It Out

Sixty Years of Answering Investors' Most Important Questions

CHARLES D. ELLIS, NEW HAVEN, UNITED STATES

An indispensable collection of essays from one of the investment world's leading lights

In *Figuring It Out: Answers to the Most Difficult Investment Questions*, world-renowned investing and finance guru Charles D. Ellis delivers a robust collection of incisive essays on an array of perennial and contemporary investing issues, from the rise and fall of performance investing to a compilation of essential investing guidelines.



In the book, you'll also find eye-opening discussions of:

- Whether bonds are an appropriate investment vehicle for long-term investors
- The costs of excessive liquidity in the typical portfolio
- The characteristics of successful investment firms, and how to spot them

A can't-miss resource for the everyday retail investor, author Charles Ellis draws on a lifetime of distinguished client service in the financial markets to reward readers with common-sense and accessible advice that deserves to be followed by anyone with an interest in maximizing their investment returns over the long haul.

AUGUST 2022 368PP
978-1-119-89895-5 CL \$29.95 (Japan)
General Finance & Investments

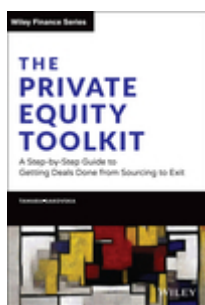
The Private Equity Toolkit

A Step-by-Step Guide to Getting Deals Done from Sourcing to Exit

TAMARA SAKOVSKA

Master the navigation of private equity deals from sourcing to exit with this comprehensive guide

The Private Equity Toolkit: A Step-by-Step Guide to Getting Deals Done from Sourcing to Exit offers readers the first complete guide to executing a private equity deal from start to finish. Written by an accomplished professional with twenty years of experience in the private equity space, this book is perfect for current private equity analysts and associates, as well as business students and professionals seeking to enter the private equity field.



This book covers every stage of the private equity process, from sourcing the deal to company exit. It provides a systematic overview of how to:

- Originate attractive investment opportunities;
- Generate superior deal insights;
- Form effective working relationships with management teams;
- Add value on portfolio company boards; and
- Achieve profitable investment exits.

The Private Equity Toolkit equips its readers with actionable frameworks and proprietary tools that can be applied on a daily basis in the private equity industry. The content found within is designed to be current and helpful for years to come and appeals to a global audience.

SERIES: WILEY FINANCE

AUGUST 2022 368PP
978-1-119-69710-7 CL \$39.95 (Japan)
Institutional & Corporate Finance

Choosing to Prosper

Triumphing Over Adversity, Breaking Out of Comfort Zones, Achieving Your Life and Money Dreams

BOLA SOKUNBI

Overcome obstacles, achieve your life's goals, and live your life on your own terms!

In *Choosing to Prosper! Triumphing Over Adversity, Breaking Out of Comfort Zones, and Achieving Dreams*, celebrated company founder and finance leader Bola Sokunbi delivers an uplifting and practical message of success and resilience in the face of formidable obstacles. The book challenges readers to examine their own financial and personal dreams and find the strength and resilience they need to achieve them. The author provides the tools readers need to build confidence, find their voice, and realize personal growth.



Imposter syndrome, mental health challenges, and common familial obstacles are all explored in the context of the author's incredible and inspirational life experiences.

Readers will find:

- First-hand stories that highlight the challenges faced by women of color and proven ways to overcome them
- Expert and honest advice on how women can build a successful, career and/or a profitable, and flexible business depending on their chosen path
- Hands-on strategies for women to achieve their extraordinary goals and dreams

With a particular emphasis on the experiences of women of color as they seek to succeed in a world that seems stacked against them, *Choosing to Prosper!* is the perfect resource for women trying to navigate the challenges posed by modern life, career, and business.

AUGUST 2022 208PP
978-1-119-82736-8 CL \$26.95 (Japan)
Personal Finance

The Money Sandwich

MARC BINEHAM

AUGUST 2022 UnknownPP
978-1-119-91062-6 PB \$23.76 (Japan)
Personal Finance

Managing Your Money All-in-One For Dummies

2nd Edition

THE EXPERTS AT DUMMIES, HOBOKEN, UNITED STATES

Wiley

A hands-on, power-packed guide to managing all things money

Time and money. Those are the two most important assets you have, and smart people manage both of them wisely. *Managing Your Money All-in-One For Dummies* is your one-stop resource to turn to when you're ready to manage your money. It offers everything you need to confidently handle your finances. When you're ready to create a budget, pay down debt, and scale back your expenses, you'll find the support you need here. If you're eyeing the future, you'll find advice on improving your credit score, saving for college and retirement, and planning an estate. As if all of that isn't enough, this comprehensive book covers other financial topics such as buying insurance, investing in your 401(k), and so much more.



The authors of *Managing Your Money All-in-One For Dummies* explain how to handle your money in a way that encourages you to think and act positively, no matter what your financial situation looks like. And as you move toward financial freedom, you can come back to this book to get advice on topics that go beyond day-to-day money management, such as taking out a mortgage, investing online, and more.

Spend some time learning how to manage your money today. It'll be a wise investment of both of your most valuable assets.

AUGUST 2022 UnknownPP
978-1-119-88335-7 PB \$39.99 (Japan)
PERSONAL FINANCE / FINANCIAL ADVISING

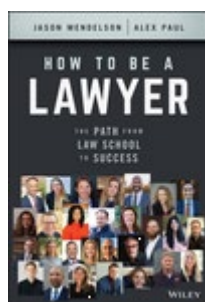
How to Be a Lawyer

The Path from Law School to Success

JASON MENDELSON & ALEX PAUL

Transform your legal education into a successful and fulfilling legal career

In *How to Be a Lawyer: The Path from Law School to Success*, a team of veteran lawyers and entrepreneurs delivers an eye-opening discussion of how to translate your years of training and education into a running start in the world of practice. The book bridges the gap between law school and practice, whether you hope to be a big firm transactional attorney, a solo criminal lawyer, work for the government or any other legal profession. You'll discover how you can use what you learned in law school and how you can develop the real skills you'll need as you deal with clients and colleagues.



The authors explain what your professors won't tell you in law school and what employers and clients will actually expect from you. You'll also find:

- Case studies and guest chapters describing the transition to major areas of law and how it can and should affect your law school decision making
- Expert advice on making your first job a successful one
- Guidance on how to avoid the most common career pitfalls and client mistakes
- Unfiltered opinions from clients about what they really think about lawyers

An ideal resource for aspiring and current law students and early career lawyers, *How to Be a Lawyer* is the practical blueprint you need to build your legal career from scratch.

AUGUST 2022 336PP
978-1-119-83581-3 CL \$34.95 (Japan)
Finance & Investments Special Topics

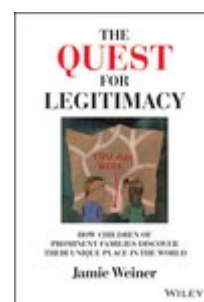
The Quest for Legitimacy

How Children of Prominent Families Discover Their Unique Place in the World

JAMIE WEINER, CHICAGO

Discover how the children of prominent families pursue their own path while contributing to their family's legacy

In *The Quest for Legitimacy: How Children of Prominent Families Discover Their Unique Place in the World*, accomplished family and private wealth consultant Dr. James Weiner delivers a unique and eye-opening discussion of the Rising Generation's quest for self-determination in the shadow of a larger-than-life family. The author relies on qualitative research conducted on wealthy families to explore topics like:



- Rites of passage in prominent families and what liberation for young family members actually looks and feels like
- Separating from and returning to your family while finding people to trust on your journey
- How to deal with the long shadows cast by wealthy family members

Perfect for members of wealthy and accomplished families, as well as the people who advise them, *The Quest for Legitimacy* is an essential read for anyone navigating the complex dynamics of accomplished families.

AUGUST 2022 224PP
978-1-119-86827-9 CL \$40.00 (Japan)
Finance & Investments Special Topics

外国語

Russian For Dummies

3rd Edition

ALAN KAUFMAN & SERAFIMA GETTYS

University of Georgia; Lewis University, Romeoville, IL

Privyet! Explore the Russian language with this fantastic beginner's guide

With over 260 million speakers around the world, Russian remains one of the most popular and marketable languages you can learn. And for those who have no idea where to begin, *Russian For Dummies* is the perfect first step!



In this easy-to-understand resource for Russian language beginners, you'll discover basic grammar and common expressions you might use while shopping, dining out, traveling, or conducting business. You'll also find simplified and generalized conjugation rules and a streamlined approach to grammar based on how you actually understand the language, rather than technical rules and details.

This book offers:

- Supplemental online resources so you can hear how native Russian speakers use the words you're trying to learn
- Guidance on identifying Cyrillic letters from the alphabet used by Russian speakers and writers
- Tons of useful exercise and practice opportunities you can take advantage of to sharpen your skills

Perfect for any newcomer to the Russian language trying to pick up their first few phrases, *Russian For Dummies* is a fantastic first foray into conversational Russian that will have you ordering meals, going shopping, and navigating other day-to-day situations with ease. Дѣло сделано! (That means good luck!)

AUGUST 2022 384PP
978-1-119-86860-6 PB \$24.99 (Japan)
RUSSIAN GRAMMARS & DICTIONARIES

食品科学

Microbiological Risk Assessment Associated with the Food Processing and Distribution Chain

JEANNE-MARIE MEMBRE

According to the World Health Organization, one in every ten people worldwide falls ill from eating contaminated food every year, with 550 million cases of diarrheal diseases. Microbiological risk assessment aims to characterize the nature and probability of harm resulting from human exposure to the biological agents that are present in foodstuffs. This assessment must take into account all stages of the chain: from the production of raw materials to consumption. After briefly introducing food safety and risk assessment, this book details the four major steps of microbiological risk assessment. The contributors first present hazard identification and then exposure assessment, which is subdivided into methods for the detection and enumeration of pathogens and for the quantification of the level of exposure. Then, hazard characterization is subdivided into pathogenicity mechanisms and quantification of the dose-response relationship. Finally a guide for microbiological risk characterization is provided. The conclusion presents possible development avenues for microbiological risk assessment, particularly its integration into a holistic assessment of food systems.

AUGUST 2022 250PP
978-1-78945-084-2 CL \$165.00 (Japan)
Food Processing, Production & Manufacture

Microbes in the Food Industry

NAVNIDHI CHHIKARA, ANIL PANGHAL & GAURAV
CHAUDHARY

Institute of Engineering & Technology, Mangalayatan
University

AUGUST 2022 UnknownPP
978-1-119-77558-4 CL \$225.00 (Japan)
Food Chemistry

**Novel Technologies in Food Science
Bioprocessing**

NAVNIDHI CHHIKARA, ANIL PANGHAL & GAURAV
CHAUDHARY

Institute of Engineering & Technology, Mangalayatan
University

AUGUST 2022 UnknownPP
978-1-119-77557-7 CL \$225.00 (Japan)
Food Chemistry

地理学

Cities at the Heart of Inequalities

CLEMENTINE COTTINEAU & DENISE PUMAIN

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YVES CHARBIT

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Geography of Development

コンシューマーヘルス

Reiki For Dummies

2nd Edition

NINA L. PAUL, VALLEY STREAM

Reiki Master

Reiki--the alternative medicine therapy that's becoming mainstream

Reiki is a subtle, non-invasive form of healing that uses spiritually guided life force energy, and 60% of top hospitals in the United States now offer it as complementary treatment for anxiety, depression, pain relief, and more. *Reiki For Dummies* is a clear and easy-to-follow guide to the origins of Reiki, where you can study Reiki, what it can do for you, what to expect in a session, and how to use Reiki at home. This book takes you through the principles, practice, and uses of Reiki--even if you're skeptical or taking your first Reiki class. *Dummies* is the perfect starting point for anyone interested in benefiting from Reiki or becoming a Reiki healer. Discover how Reiki fits in with other healing practices, and how it just might transform your life. This book makes it easy.

- Learn what Reiki is and how to find a Reiki practitioner
- Prepare for your Reiki session and set realistic goals and expectations
- Explore Reiki classes, symbols, and techniques
- Get started performing Reiki with basic hand positions and self-treatment
- Discover the fascinating history and evolution of this Japanese healing practice

This edition has been expanded with new information on self-Reiki, mind-body healing with Reiki, and becoming a Reiki professional. Plus, you'll find the latest Reiki resources to expand your healing journey.



AUGUST 2022 UnknownPP
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ALTERNATIVE MEDICINE & COMPLEMENTARY THERAPIES

公衆衛生

The Health Care Data Guide

Learning from Data for Improvement

2nd Edition

LLOYD P. PROVOST & SANDRA MURRAY

An Essential text on transforming raw data into concrete health care improvements

Now in its second edition, *The Health Care Data Guide: Learning from Data for Improvement* delivers a practical blueprint for using available data to improve healthcare outcomes. In the book, a team of distinguished authors explores how health care practitioners, researchers, and other professionals can confidently plan and implement health care enhancements and changes, all while ensuring those changes actually constitute an improvement.

This book is the perfect companion resource to *The Improvement Guide: A Practical Approach to Enhancing Organizational Performance, Second Edition*, and offers fulsome discussions of how to use data to test, adapt, implement, and scale positive organizational change.

The Health Care Data Guide: Learning from Data for Improvement, Second Edition provides:

- Easy to use strategies for learning more readily from existing health care data
- Clear guidance on the most useful graph for different types of data used in health care
- A step-by-step method for making use of highly aggregated data for improvement
- Examples of using patient-level data in care
- Multiple methods for making use of patient and other feedback data
- A vastly better way to view data for executive leadership
- Solutions for working with rare events data, seasonality and other pesky issues
- Use of improvement methods with epidemic data
- Improvement case studies using data for learning



AUGUST 2022 656PP
978-1-119-69013-9 PB \$98.75 (Japan)
PUBLIC HEALTH SERVICES & POLICY

生産管理工学

Project Management Next Generation

The Pillars for Organizational Excellence

HAROLD KERZNER, AL ZEITOUN & RICARDO VIANA VARGAS

Baldwin-Wallace College, Berea, Ohio

Strategic guidance on enabling transformational change in the project management landscape

In *Project Management Next Generation: The Pillars for Organizational Excellence*, a team of world-renowned project management leaders delivers an expert discussion on project management implementation in organizations of all kinds. The book explores 10 pillars of project management that will be critical for companies in the coming decade. It offers contributions from industry changemakers and thought leaders that provide the perfect balance between practical experience across a variety of programs, projects, and transformation initiatives.



Perfect for mid-level corporate, project, and team managers, as well as executives and business consultants, *Project Management Next Generation: The Pillars for Organizational Excellence* will also earn a place in the libraries of students in courses on advanced project management at the upper-level undergraduate and graduate levels.

AUGUST 2022 480PP
978-1-119-83227-0 CL \$80.00 (Japan)
Industrial Engineering / Project Management

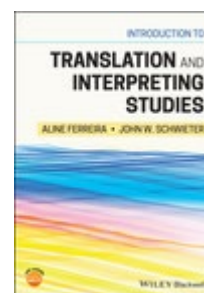
言語学

Introduction to Translation and Interpreting Studies

ALINE FERREIRA & JOHN W. SCHWIETER

University of California Santa Barbara, USA; Wilfrid Laurier University, Waterloo, Canada

In *Introduction to Translation and Interpreting Studies*, accomplished scholars Aline Ferreira and John W. Schwieter have brought together a detailed and comprehensive introductory-level textbook covering the essential aspects of translation and interpreting studies. Through chapters authored by leading voices in the field, this book covers topics of theoretical and conceptual relevance--such as the history of the development of the field and methods for understanding gender, society, and culture as aspects of the role of the interpreter--as well as critical topics in the application of theory to real world practice.



Beginning with an authoritative treatment of the theoretical developments that have defined the field since the early 1970s, this textbook first describes the influential work of such figures as Jakobson, Holmes, and Toury, thus ensuring students develop a thorough understanding of the history and theoretical underpinnings of the fields of translation and interpreting studies. The text then begins to introduce grounded discussions of interpreting in specialized fields such as legal and healthcare interpreting and sign language translation. Learning is reinforced throughout the text through pedagogical features including reflection questions, highlighted key words, further readings, and chapter objectives.

Ideal for advanced undergraduate and graduate students in programs in such as linguistics, language studies, and communications, or for those who plan to work in translation and/or interpreting, *Introduction to Translation and Interpreting Studies* will earn a place in the libraries of anyone interested in a reader-friendly translation and interpreting resource.

AUGUST 2022 UnknownPP
978-1-119-68527-2 PB \$42.95
Applied Linguistics

ライフサイエンス

Grammar: 1001 Practice Questions For Dummies (+ Free Online Practice)

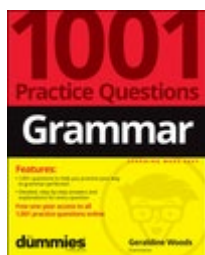
2nd Edition

GERALDINE WOODS, NEW YORK, UNITED STATES

New York, New York, USA

Learn to dot your I's and cross your T's with this hands-on grammar practice

The rules of grammar can seem abstract and confusing. But putting them into practice will help you understand and retain grammatical conventions. In *Grammar: 1001 Practice Questions For Dummies*, you'll get the step-by-step and hands-on experience you need to improve your conjugations, gerund use, punctuation, and more. Each practice question includes detailed explanations and solutions available both in the book and online.



The book also includes:

- Intuitive questions on everything from Oxford commas to verb tense
- Free, one-year access to all 1,001 practice questions online, and the ability to create customized quizzes and study sessions
- Detailed explanations for every question to help build your understanding

Ideal for self-paced learning and as a companion for students in grammar and English classes in high school and college, *Grammar: 1001 Practice Questions For Dummies (+ Free Online Practice)* is a must-have resource to improve your written and spoken English communication. *Grammar: 1001 Practice Questions For Dummies* (9781119883746) was previously published as *1,001 Grammar Practice Questions For Dummies* (9781118745014). 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.

AUGUST 2022 UnknownPP
978-1-119-88374-6 PB \$29.99 (Japan)
ENGLISH LANGUAGE

Blood Science

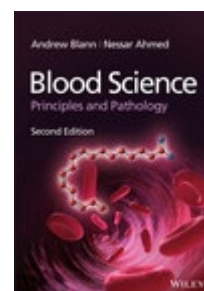
Principles and Pathology, 2nd Edition

ANDREW BLANN & NESSAR AHMED

City Hospital, Birmingham, UK; School of Healthcare Science
Manchester Metropolitan University, Manchester, UK

The second edition of the leading introduction to blood science, updated new illustrations and case studies

Blood Science: Principles and Pathology integrates hematology and blood transfusion, clinical biochemistry, and immunology to provide a thorough introduction to this rapidly expanding discipline. Reflecting recent changes in education and training for healthcare scientists, this comprehensive textbook covers the analytical techniques used in blood science, the diagnosis and management of various blood disorders, and more.



Fully revised, the second edition presents new case studies and high-quality images throughout, illustrating the practical skills and knowledge required by today's undergraduate students and practitioners. Detailed yet accessible chapters contain learning objectives and summaries, links to further readings and resources, and real-world case studies with easy-to-follow interpretations. Throughout the text, the authors highlight how laboratory data and clinical details are used to investigate patients with actual or suspected diseases in real-world scenarios.

Designed to meet the needs of undergraduate students taking blood science modules in biomedical, biological, and healthcare science programs, *Blood Science: Principles and Pathology, Second Edition* is also an invaluable guide for new graduates entering the field as well as those training for professional qualifications or working with blood samples in laboratory-based environments.

AUGUST 2022 608PP
978-1-119-86411-0 PB \$109.95 (Japan)
CELL & MOLECULAR BIOLOGY

The Human Lineage

2nd Edition

MATT CARTMILL & FRED H. SMITH

Boston University; Illinois State University

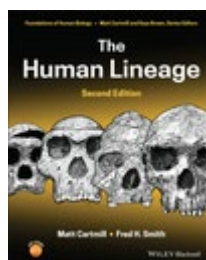
The newly revised and thoroughly updated standard source for mastering the human fossil record.

This new edition of *The Human Lineage* is the best and most current guide to the morphological, geological, paleontological, and archeological evidence for the story of human evolution. This comprehensive textbook presents the history, methods, and issues of paleoanthropology through detailed analyses of the major fossils of interest to practicing scientists in the field. It will help both advanced students and practicing professionals to become involved with the lively scholarly debates that mark the field of human-origins research. Its clear and engaging chapters contain concise explanatory text and hundreds of high-quality illustrations. This thoroughly revised second edition reflects the most recent fossil discoveries and scientific analyses, offering new sections on the locomotor adaptations of Miocene hominoids, the taxonomic distinctiveness of *Homo heidelbergensis*, the Butele foot, *Ardipithecus*, and Neandertal genomics. Updated and expanded chapters offer fresh insights on topics such as the origins of bipedality and the anatomy and evolution of early mammals and primates.

Covering the entire story of human evolution from its Precambrian beginnings to the emergence of modern humanity, *The Human Lineage* is indispensable reading for all advanced students of biological anthropology.

SERIES: FOUNDATION OF HUMAN BIOLOGY

AUGUST 2022 640PP
978-1-119-08670-3 CL \$145.00 (Japan)
HUMAN EVOLUTION



Microbe

3rd Edition

MICHELE S. SWANSON, ELIZABETH A JOYCE & RACHEL HORAK

Brings the excitement, breadth, and power of the modern microbial sciences to the next generation of students and scientists.

This third edition of the bestselling *Microbe* textbook is an eloquent and highly readable introduction to microbiology that will engage and excite science majors and pre-health professionals. The authors have carefully crafted a lively narrative with stunning, detailed illustrations to bring key concepts to life and promote a lifelong passion for the microbial sciences.



Microbe is replete with case studies, ranging from a MRSA (methicillin-resistant *Staphylococcus aureus*) outbreak in an NFL locker room to the search for life outside of Earth, that illustrate relevant microbiology concepts in real-world scenarios. To further engage students and deepen their understanding of both the principles and practice of science, each chapter includes activities that encourage students to demonstrate and apply their knowledge of the topics presented. Questions are posed throughout each chapter to introduce important subjects and to prompt students to actively participate in the learning experience. This new edition also features highlight boxes exploring the varied roles and applications of microbes at work in our world as well as profiles of the diverse array of individuals who work in and adjacent to the field of microbiology.

An equally valuable tool for instructors of all classroom modalities, *Microbe* integrates key concepts, learning outcomes, and fundamental statements directly from the *ASM Curriculum Guidelines for Undergraduate Microbiology*. The new edition also provides robust instructor materials, including slides with figures and tables from the text, access to more than 250 peer-reviewed questions for microbiology education, and an instructors' manual featuring answers for end-of-chapter questions as well as supplemental exercises and resources to challenge students to dig deeper into their understanding of the material.

SERIES: ASM BOOKS

AUGUST 2022 752PP
978-1-68367-370-5 PB \$119.95 (Japan)
MICROBIOLOGY & VIROLOGY

Managing Plant Stress Using Salicylic Acid

Physiological and Molecular Aspects

EDITOR ANKET SHARMA, EDITOR RENU BHARDWAJ, EDITOR VINOD KUMAR, EDITOR BINGSONG ZHENG & EDITOR DURGESH K. TRIPATHI

Motilal Nehru National Institute of Tech

Enables readers to understand the ability of salicylic acid in reducing the effects of abiotic stresses in different crop species

Salicylic acid is an important plant hormone which acts as a multifunctional molecule and regulates key physiological and biochemical processes in plants. This book highlights the tremendous potential of treating plants with salicylic acid, either prior to or during stress. It focuses on the specific challenges and opportunities related to the exogenous application or priming technology, such as the mode of application, new methodologies, and the potential impacts of salicylic acid on the environment. Sample topics covered in the book include:

- The latest research on the ability of salicylic acid in reducing the effects of abiotic stresses in different crop species
- The mechanism of action of salicylic acid at the biochemical and molecular level
- Salicylic acid and its crosstalk with other plant hormones under stressful environments
- Regulation of abiotic stress by salicylic acid at the gene level
- Role of salicylic acid on postharvest physiology of plants

This book will be of significant interest to researchers, academics, and scientists working in the field of salicylic acid mediated plant responses in plants under challenging environments and abiotic stress tolerance.

AUGUST 2022 560PP
978-1-119-67106-0 CL \$200.00 (Japan)
Plant Molecular Biology

Diatom Microscopy

EDITOR NIRMAL MAZUMDER & EDITOR RICHARD GORDON

Bard College, New York

The main goal of the book is to demonstrate the wide variety of microscopy methods being used to investigate natural and altered diatom structures.

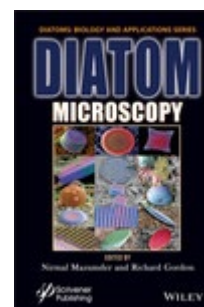
This book on *Diatom Microscopy* gives an introduction to the wide panoply of microscopy methods being used to investigate diatom structure and biology, marking considerable advances in recent technology including optical, fluorescence, confocal and electron microscopy, surface-enhanced Raman spectroscopy (SERS), atomic force microscopy (AFM) and spectroscopy as applied to diatoms. Each chapter includes a tutorial on a microscopy technique and reviews its applications in diatom nanotechnology and diatom research. The number of diatomists, diatom research, and their publications are increasing rapidly. Although many books have dealt with various aspects of diatom biotechnology, nanotechnology, and morphology, to our knowledge, no volume exists that summarizes advanced microscopic approaches to diatoms.

Audience

The intended audience is academic and industry researchers as well as graduate students working on diatoms and diatom nanotechnology, including biosensors, biomedical engineering, solar panels, batteries, drug delivery, insect control, and biofuels.

SERIES: DIATOMS: BIOLOGY AND APPLICATIONS

AUGUST 2022 368PP
978-1-119-71153-7 CL \$249.00 (Japan)
Microscopy



Parasitology

An Integrated Approach

ALAN GUNN, UNITED KINGDOM & SARAH J. PITT

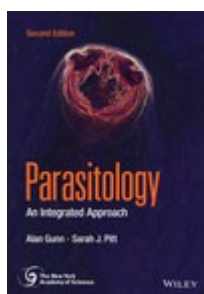
Liverpool John Moores University, UK; School of Pharmacy and Biomolecular Science

Extremely detailed textbook on parasites and parasite relationships

The fully revised edition of *Parasitology: An Integrated Approach* holds true to its engaging and easy-to-read approach. It comprehensively covers the complex and dynamic interaction between the parasite and its host ranging from invertebrates to vertebrates. Following an integrated approach, the authors explain how the study of parasites requires an understanding of biological concepts such as growth and reproduction, molecular biology, biochemistry, immunology, and pathology. In this second edition, they further address parasites and parasite relationships in the grand scheme of global changes and their impact.

Often neglected, this textbook also reviews the positive aspects of parasite infections and how humans have used parasites for their own advantage. *Parasitology: An Integrated Approach, 2nd edition* includes supplementary learning resources such as self-assessment quizzes, practical exercises, and an extensive collection of photographs.

A valuable and comprehensive learning resource for undergraduate students in biological, biomedical and veterinary sciences, and medicine. It is also of interest to postgraduates and professionals with an interest including but not limited to parasitology, animal welfare, ecology, and medical microbiology.



SERIES: NEW YORK ACADEMY OF SCIENCES

AUGUST 2022 576PP
978-1-119-64119-3 PB \$79.95 (Japan)
Parasitology

数学

Algebra II: 1001 Practice Problems For Dummies (+ Free Online Practice)

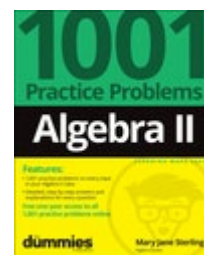
MARY JANE STERLING, PEORIA, UNITED STATES

Bradley University, Peoria, IL

Challenging and fun problems on every topic in a typical Algebra II course

Algebra II: 1001 Practice Problems For Dummies gives you 1,001 opportunities to practice solving problems on all the major topics in Algebra II—in the book and online! Get extra help with tricky subjects, solidify what you've already learned, and get in-depth walk-throughs for every problem with this useful book. These practice problems and detailed answer explanations will get your advanced algebra juices flowing, no matter what your skill level. Thanks to Dummies, you have a resource to help you put key concepts into practice.

- Work through practice problems on all Algebra II topics covered in class
- Step through detailed solutions for every problem to build your understanding
- Access practice questions online to study anywhere, any time
- Improve your grade and up your study game with practice, practice, practice



The material presented in *Algebra II: 1001 Practice Problems For Dummies* is an excellent resource for students, as well as parents and tutors looking to help supplement classroom instruction.

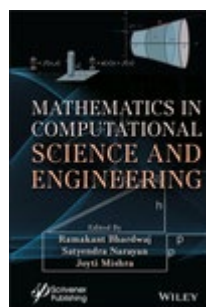
Algebra II: 1001 Practice Problems For Dummies (9781119883562) was previously published as *1,001 Algebra II Practice Problems For Dummies* (9781118446621). While this version features a new *Dummies* cover and design, the content is the same as the prior release and should not be considered a new or updated product.

AUGUST 2022 528PP
978-1-119-88356-2 PB \$29.99 (Japan)
ALGEBRA

Mathematics in Computational Science and Engineering

EDITOR RAMAKANT BHARDWAJ, EDITOR JYOTI MISHRA, EDITOR SATYENDRA NARAYAN & EDITOR GOPALAKRISHNAN SUSEENDRAN

This groundbreaking new volume, written by industry experts, is a must-have for engineers, scientists, and students across all engineering disciplines working in mathematics and computational science who want to stay abreast with the most current and provocative new trends in the industry.



Applied science and engineering is the application of fundamental concepts and knowledge to design, build and maintain a product or a process, which provides a solution to a problem and fulfills a need. This book contains advanced topics in computational techniques across all the major engineering disciplines for undergraduate, postgraduate, doctoral and postdoctoral students. This will also be found useful for professionals in an industrial setting. It covers the most recent trends and issues in computational techniques and methodologies for applied sciences and engineering, production planning, and manufacturing systems. More importantly, it explores the application of computational techniques and simulations through mathematics in the field of engineering and the sciences.

Whether for the veteran engineer, scientist, student, or other industry professional, this volume is a must-have for any library. Useful across all engineering disciplines, it is a multifunctional tool that can be put to use immediately in practical applications.

AUDIENCE:

Engineers, scientists, students, researchers, and other professionals working in the field of computational science and mathematics across multiple disciplines

AUGUST 2022 448PP
978-1-119-77715-1 CL \$225.00 (Japan)
Applied Mathematics

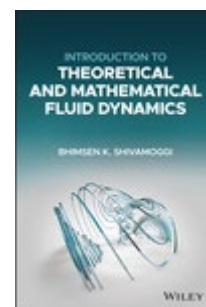
Introduction to Theoretical and Mathematical Fluid Dynamics

BHIMSEN K. SHIVAMOGGI

University of Central Florida, Orlando

A practical treatment of mathematical fluid dynamics

In *Introduction to Theoretical and Mathematical Fluid Dynamics*, distinguished researcher Dr. Bhimsen K. Shivamoggi delivers a comprehensive and insightful exploration of fluid dynamics from a mathematical point of view. The book introduces readers to the mathematical study of fluid behavior and highlights areas of active research in fluid dynamics. With coverage of advances in the field over the last 15 years, this book provides in-depth examinations of theoretical and mathematical fluid dynamics with a particular focus on incompressible and compressible fluid flows.



Introduction to Theoretical and Mathematical Fluid Dynamics includes practical applications and exercises to illustrate the concepts discussed within, and real-world examples are explained throughout the text. Clear and explanatory material accompanies the rigorous mathematics, making the book perfect for students seeking to learn and retain this complex subject.

Ideal for graduate-level students taking courses on mathematical fluid dynamics as part of a program in mathematics, engineering, or physics, *Introduction to Theoretical and Mathematical Fluid Dynamics* is also an indispensable resource for practicing applied mathematicians, engineers, and physicists.

AUGUST 2022 UnknownPP
978-1-119-10150-5 CL \$135.00 (Japan)
Applied Mathematics in Engineering

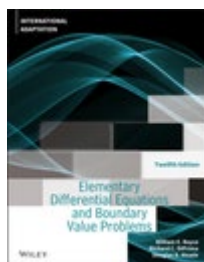
Elementary Differential Equations and Boundary Value Problems

12th Edition, International Adaptation

WILLIAM E. BOYCE, RICHARD C. DIPRIMA & DOUGLAS B. MEADE

Rensselaer Polytechnic Institute; University of South Carolina
- Columbia

Boyce's Elementary Differential Equations and Boundary Value Problems is written from the viewpoint of the applied mathematician, with diverse interest in differential equations, ranging from quite theoretical to intensely practical--and usually a combination of both. The intended audience for the text is undergraduate STEM students taking an introductory course in differential equations. The main prerequisite for engaging with the program is a working knowledge of calculus, gained from a normal two or three semester course sequence or its equivalent, while a basic familiarity with matrices is helpful. This new edition of the book aims to preserve, and to enhance the qualities that have made previous editions so successful. It offers a sound and accurate exposition of the elementary theory of differential equations with considerable material on methods of solution, analysis, and approximation that have proved useful in a wide variety of applications.



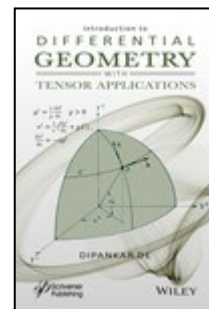
AUGUST 2022 UnknownPP
978-1-119-82051-2 PB \$66.99 (Japan)
DIFFERENTIAL EQUATIONS

Introduction to Differential Geometry with Tensor Applications

EDITOR DIPANKAR DE

Introduction to Differential Geometry

with Tensor Applications discusses the theory of tensors, curves and surfaces and their applications in Newtonian mechanics. Since tensor analysis deals with entities and properties that are independent of the choice of reference frames, it forms an ideal tool for the study of differential geometry and also of classical and celestial mechanics. This book provides a profound introduction to the basic theory of differential geometry: curves and surfaces and analytical mechanics with tensor applications. The author has tried to keep the treatment of the advanced material as lucid and comprehensive as possible, mainly by including utmost detailed calculations, numerous illustrative examples, and a wealth of complementing exercises with complete solutions making the book easily accessible even to beginners in the field.



Groundbreaking and thought-provoking, this volume is an outstanding primer for modern differential geometry and is a basic source for a profound introductory course or as a valuable reference. It can even be used for self-study, by students or by practicing engineers interested in the subject.

Whether for the student or the veteran engineer or scientist, *Introduction to Differential Geometry with Tensor Applications* is a must-have for any library.

SERIES: MODERN MATHEMATICS IN COMPUTER SCIENCE

AUGUST 2022 512PP
978-1-119-79562-9 CL \$225.00 (Japan)
Geometry & Topology

メディカル・サイエンス

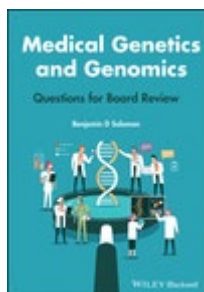
Medical Genetics and Genomics

Questions for Board Review

BENJAMIN D. SOLOMON

A comprehensive question-and-answer book for those preparing for board examinations on clinical genetics

Medical Genetics and Genomics: Questions for Board Review provides more than 350 high-yield multiple choice questions (MCQs) to help readers prepare for standardized examinations for accreditation and ongoing certification in the various fields of medical genetics and genomics, as well as other trainees and learners who want to understand more about the field. Written by a leading authority in clinical genetics with extensive teaching experience in academia, government, biotech, and in healthcare, this invaluable study aid covers essential terminology, clinical diagnosis and manifestations of specific conditions, laboratory and testing approaches, management of genetic conditions, and more.



The questions are organized into thematic areas to help readers focus on specific areas within the field of genetics and genomics. Each section of questions is followed by fully annotated answers with concise explanations and up-to-date references. Throughout the book, high-quality illustrations are presented to enhance understanding of all key concepts.

Medical Genetics and Genomics: Questions for Board Review is a must-have for clinical trainees, physicians, laboratory geneticists, genetic counselors, and allied health professionals working in medical genetics.

AUGUST 2022 224PP
978-1-119-84718-2 PB \$70.00 (Japan)
Medical Genetics

ABC of Major Trauma

Rescue, Resuscitation with Imaging, and Rehabilitation, 5th Edition

EDITOR PETER A. DRISCOLL, EDITOR DAVID V. SKINNER & EDITOR PETER N. GOODE

Hope Hospital, Salford, UK; John Radcliffe Hospital, Oxford, UK

In the newly revised, and substantially expanded, Fifth Edition of *ABC of Major Trauma*, an eminent team of leading trauma specialists delivers a comprehensive, up-to-date, referenced overview of the emergency treatment of patients suffering from major trauma.



Covering all aspects of the management of multiply injured patients during the initial, crucial hours after injury, the scope of the book has developed to include imaging appendices for many chapters. The editors have included resources that discuss general considerations for typical trauma cases, as well as the numerous atypical patients including children, the elderly and those who are pregnant. Hyperlinks are now also included throughout the book which enable the reader to refer to continuously updated guidelines.

ABC of Major Trauma also includes a new companion website containing further resources, including the addition of a CT primary survey video that guides the reader through the interpretation of the trauma CT that is frequently used during the early period of arrival in hospital. An ultrasound resource has also been included on the website, demonstrating common trauma conditions with comparable normal scans.

Perfect for all those involved in the care of the trauma patient, including nurses, physician associates, hospital doctors, paramedics and pre-hospital teams, the *ABC of Major Trauma* is a one-stop referenced guide to the care of such patients from the site of injury to maximal recovery.

SERIES: ABC SERIES

AUGUST 2022 512PP 978-1-119-49885-8 PB \$55.99 (Japan)
EMERGENCY MEDICINE & TRAUMA

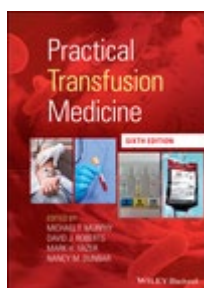
Practical Transfusion Medicine

6th Edition

EDITOR MICHAEL F. MURPHY, EDITOR DAVID J. ROBERTS, EDITOR MARK H. YAZER & EDITOR NANCY M. DUNBAR

Worldwide Clinical Trials, Atlanta, Georgia, and London, UK

The pace of change in transfusion medicine is relentless, with new scientific and technological developments and continuing efforts to improve transfusion practice. This sixth edition of *Practical Transfusion Medicine* has been updated significantly to reflect the rapid changes in transfusion medicine since the fifth edition was published in 2017.



The primary purpose of this edition remains the same as the first: to provide a comprehensive guide to transfusion medicine. This book contains more depth of information than standard handbooks on transfusion medicine, whilst being more concise and approachable than a standard reference text.

This book covers the principles of transfusion medicine, the complications of transfusion, practice in blood centres and hospitals and clinical transfusion practice. This sixth edition includes a new section on patient blood management, cellular and tissue therapy, organ transplantation and the development of the evidence base for transfusion. It also features a new chapter on transfusion-associated circulatory overload to underline its importance as a complication of transfusion, and a reconfiguration of the section on clinical transfusion practice to allow consideration of the transfusion management of medical, surgical and haematology patients with and without bleeding.

This sixth edition of *Practical Transfusion Medicine* provides accessible and comprehensive coverage of the field of transfusion medicine. It is a standalone text that will be useful to clinical and scientific staff: not only for trainees who require an overview of the field, but also for established practitioners who are involved in some aspect of transfusion medicine and require a comprehensive, accessible reference book.

AUGUST 2022 688PP
978-1-119-66581-6 CL \$170.00 (Japan)
BLOOD TRANSFUSION

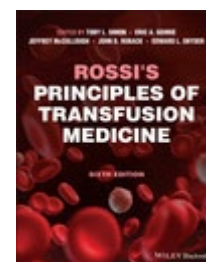
Rossi's Principles of Transfusion Medicine

6th Edition

EDITOR TOBY L. SIMON, EDITOR ERIC GEHRIE, EDITOR JEFFREY MCCULLOUGH, EDITOR JOHN D. ROBACK & EDITOR EDWARD L. SNYDER

CSL Behring & The FDA Blood Products Advisory Committee; University of Minnesota School of Medicine; Yale University School of Medicine

Transfusion Medicine impacts patients with hematologic, oncologic, and surgical conditions as well as all areas of critical care medicine and multiple areas of chronic care. This book aims to be the single best source for information related to any aspect or application of Transfusion Medicine.



Contributors for the sixth edition have once again been drawn from various scientific, medical, and surgical disciplines. Thus, this book ranges from encouraging and managing donors, to collecting and preserving the blood, to matching it to the appropriate recipient, all the way to its clinical uses. It also extends these concepts to implantable tissue and regenerative medicine.

This book serves as a complete and comprehensive resource on Transfusion Medicine for clinicians who prescribe blood, students who expect to enter clinical practice, and for the scientists, physicians, nurses, technologists, and others who assure the quality of blood services.

AUGUST 2022 784PP
978-1-119-71975-5 CL \$280.00 (Japan)
BLOOD TRANSFUSION

Neurology

A Clinical Handbook

CHARLES CLARKE

National Hospital For Neurology and Neurosurgery, University College Hospitals, London

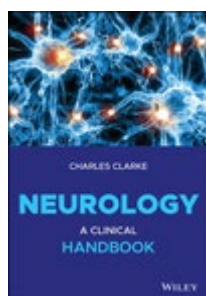
Neurology: A Clinical Handbook is a practical text, for both neurologists and general physicians, in the wards, the office or at home. This book spans the breadth of neurology and its challenges, for those who require a rapid resource in accessible language.

The *Handbook* is also aimed at those considering entering

neurology, neurophysiology and neurorehabilitation and for medical trainees and consultants in many specialities. It is an invaluable source for the MRCP, a ready-made reference for clinical practice and for the specialist nurse and therapist.

The book deals with essentials - of neuroanatomy, clinical examination, mechanisms of neurological disease and the major issues of dementia and stroke in an ageing population. More specific aspects of neurology are also addressed, including the specialist fields of nerve and muscle disease, the spinal cord, headache and the cranial nerves, infection in the nervous system, MS and sleep disorders. The allied disciplines of neurorehabilitation, neuropsychiatry, neuro-oncology, uro-neurology, neuro-otology and neuro-ophthalmology are also covered.

The aim is to provide both an introduction and a summary - of general neurological practice and the specialist aspects of neurology and neuroscience.



AUGUST 2022 496PP
978-1-119-23572-9 PB \$80.00 (Japan)
Neurology

Arthritis For Dummies

3rd Edition

BARRY FOX, UNITED STATES & NADINE TAYLOR, BURBANK, UNITED STATES

**An easy-to-understand in-depth look at
of one of the most common medical
conditions in the world**

If you're one of the 350 million people around the world who suffer from arthritis, you know how challenging it can be to live with it. And if you care for someone who has arthritis, you know how difficult it is to help your loved one live comfortably with the disease.



Arthritis For Dummies was written for you. In it, you'll find no-nonsense guidance based on the latest arthritis research, the straight goods on medications old and new, and up-to-date info on over 40 forms of the disease, including osteoarthritis, rheumatoid arthritis, psoriatic arthritis, gout, and more. You'll also find:

- Ten new cutting-edge treatments for arthritis
- A complete rundown of medications for arthritis, including the very latest ones
- Diet strategies to help combat arthritis pain and improve joint function
- The best exercises for building stronger joints and easing arthritis pain
- Biomechanical techniques to help ward off joint damage

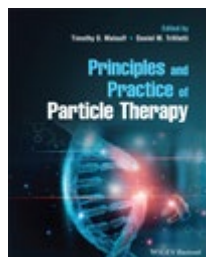
An essential handbook for all who suffer from arthritis, as well as their caregivers, friends, and family, *Arthritis For Dummies* is the all-in-one handbook that shows you how to control arthritis symptoms, deal with chronic pain, assemble a top-notch healthcare team, and do much to help others who suffer from the disease.

AUGUST 2022 400PP
978-1-119-88539-9 PB \$24.99 (Japan)
PAIN (INCLUDING HEADACHE)

Principles and Practice of Particle Therapy

EDITOR TIMOTHY D. MALOUFF & EDITOR DANIEL M. TRIFILETTI

Although radiation has been used therapeutically for over 100 years, the field of radiation oncology is currently in the midst of a renaissance, particularly with regards to the therapeutic use of particles. Over the past several years, access to particle therapy, whether it be proton therapy or other heavy ion therapy, has increased dramatically. *Principles and Practice of Particle Therapy* is a clinically oriented resource that can be referenced by both experienced clinicians and those who are just beginning their venture into particle therapy.



Written by a team with significant experience in the field, topics covered include:

- Background information related to particle therapy, including the clinically relevant physics, radiobiological, and practical aspects of developing a particle therapy program
- "Niche" treatments, such as FLASH, BNCT, and GRID therapy
- The simulation process, target volume delineation, and unique treatment planning considerations for each disease site
- Less commonly used ions, such as fast neutrons or helium

Principles and Practice of Particle Therapy is a go-to reference work for any health professional involved in the rapidly evolving field of particle therapy.

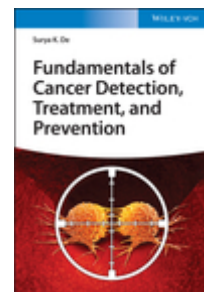
AUGUST 2022 560PP
978-1-119-70751-6 CL \$165.00 (Japan)
Oncology & Radiotherapy

Fundamentals of Cancer Detection, Treatment, and Prevention

SURYA K. DE

The professional guide to cancer diagnosis and therapy for researchers and clinicians

In *Fundamentals of Cancer Detection, Treatment, and Prevention*, distinguished researcher Surya K. De delivers a concise and authoritative guide to cancer treatment, diagnosis, and prevention. The book offers a comprehensive overview of cancer in humans, from its causes, symptoms, and diagnosis to the variety of treatment options available today. Intuitively organized by cancer type, this guide provides concise information on risk factors, diagnosis, and treatment options for all commonly encountered tumors, including surgery, radiation therapy, chemotherapy, and immunotherapy.



All US FDA-approved drugs--like small molecules, peptides, monoclonal antibodies, whole antibodies, gene therapy, antibody-drug conjugates, and cell therapies--are considered, and information about their generic and brand names, clinical uses, and mechanisms of action is presented. Readers will also find:

- A thorough overview of human cancers, including cancer risk factors and possible preventions
- Comprehensive explorations of bladder, blood, brain, and spinal cord cancers
- Practical discussions of breast, colorectal, cervical, kidney, and liver cancer
- In-depth examinations of lung, skin, ovarian, vaginal, vulvar, pancreatic, and prostate cancers, as well as mesothelioma

Perfect for pharmaceutical chemists, oncologists, pharmacologists, and medicinal chemists, *Fundamentals of Cancer Detection, Treatment, and Prevention* will be indispensable for professional researchers, whether they are working in the clinic or the pharmaceutical industry.

AUGUST 2022 496PP
978-3-527-35065-0 CL \$125.00 (Japan)
Pharmacology & Pharmaceutical Medicine

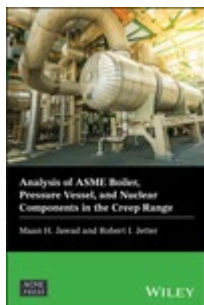
機械工学

Analysis of ASME Boiler, Pressure Vessel, and Nuclear Components in the Creep Range

MAAN H. JAWAD & ROBERT I. JETTER

Nooter Corp., Missouri

Many structures in chemical plants, refineries, and power generation plants operate at elevated temperatures where creep and rupture are a design consideration. At such elevated temperatures, the material tends to undergo gradual strain with time, which could eventually lead to failure. Thus, the design of such components must take into consideration the creep and rupture of the material. Analysis of ASME Boiler, Pressure Vessel, and Nuclear Components in the Creep Range introduces the general principles of design at elevated temperatures with extensive references cited for further in-depth understanding of the subject. Each chapter has been updated and a new chapter covering on Creep Analysis - Remaining Life Method (discussing the requirements of ASME Code FFS-1) has also been included. Numerous examples are included to illustrate the practical application of the design and analysis methods presented. The design approaches illustrated in this book are based on the experience of the authors over the past 40 years, and the methodology shown in the book will help the engineer accomplish a safe and economical design for boiler and pressure vessel components operating at high temperatures where creep is a consideration.



SERIES: WILEY-ASME PRESS SERIES

AUGUST 2022 UnknownPP
978-1-119-67946-2 CL \$130.00 (Japan)
Mechanical Engineering - Design

Maintenance, Reliability and Troubleshooting in Rotating Machinery

ROBERT X. PEREZ

This broad collection of current rotating machinery topics, written by industry experts, is a must-have for rotating equipment engineers, maintenance personnel, students, and anyone else wanting to stay abreast with current rotating machinery concepts and technology.

Rotating machinery represents a broad category of equipment, which includes pumps, compressors, fans, gas turbines, electric motors, internal combustion engines, and other equipment, that are critical to the efficient operation of process facilities around the world. These machines must be designed to move gases and liquids safely, reliably, and in an environmentally friendly manner. To fully understand rotating machinery, owners must be familiar with their associated technologies, such as machine design, lubrication, fluid dynamics, thermodynamics, rotordynamics, vibration analysis, condition monitoring, maintenance practices, reliability theory, and other topics.

The goal of the "Advances in Rotating Machinery" book series is to provide industry practitioners a time-savings means of learning about the most up-to-date rotating machinery ideas and best practices. This three-book series will cover industry-relevant topics, such as design assessments, modeling, reliability improvements, maintenance methods and best practices, reliability audits, data collection, data analysis, condition monitoring, and more.

Volume one began the series by focusing on design and analysis. Volume two continues the series by covering important machinery reliability concepts and offering practical reliability improvement ideas. Best-in-class production facilities require exceptional machinery reliability performance. In this volume, exceptional machinery reliability is defined as the ability of critical rotating machines to consistently perform as designed, without degradation or failure, until their next scheduled overhaul. Readers will find this volume chock-full of practical ideas they can use to improve the reliability and efficiency of their machinery.

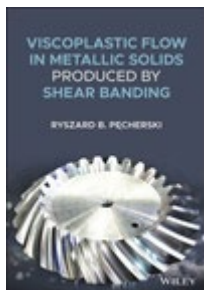
AUGUST 2022 384PP
978-1-119-63164-4 CL \$195.00 (Japan)
Mechanical Engineering - Design

Viscoplastic Flow in Solids Produced by Shear Banding

RYSZARD B. PECHERSKI

A complete overview of the topic of viscoplastic flow in metallic solids produced by shear banding

This book presents novel ideas about inelastic deformation and failure of the material in a clear, concise manner. It exposes readers to information that will allow them to acquire the competence and ability to deal with up-to-date manufacturing and failure processes. It also portrays an interdisciplinary and revolutionary understanding of deformation processes in solids. Shear banding's typical mechanism becomes the active cause of viscoplastic flow and not the passive effect.



Viscoplastic Flow in Metallic Solids Produced by Shear Banding begins with discussing the new physical model of multilevel hierarchy and evolution of micro-shear bands. It then covers the physical motivation and heuristic foundations of theoretical description concerning known results in the literature. It examines the difficulties of applying a direct multiscale integration scheme across the scales. It also presents an extension of the representative volume element (RVE) concept using the general theory of propagating the singular surfaces of the microscopic velocity field sweeping the RVE. It also reveals a new formulation of the description of the shear strain rate generated by the multilevel hierarchy of shear bands in the workflow integration approach, in which information from the simulation at different levels flows.

Viscoplastic Flow in Metallic Solids Produced by Shear Banding will appeal to researchers studying physical foundations of inelastic deformation of materials and dealing with numerical simulations of manufacturing processes. It is also an excellent resource for graduate and postgraduate students of material science and mechanical engineering faculties.

AUGUST 2022 160PP
978-1-119-61858-4 CL \$150.00 (Japan)
Fluid Mechanics

Theory of Ground Vehicles

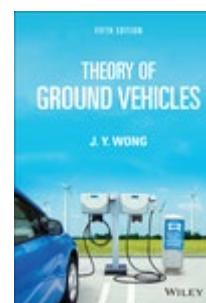
5th Edition

J. Y. WONG

Carleton University, Ontario

A leading and authoritative text for advancing ground vehicle mobility

Theory of Ground Vehicles, Fifth Edition presents updated and expanded coverage of the critical factors affecting the performance, handling, and ride essential to the development and design of road and off-road vehicles.



Replacing internal combustion engines with zero-emission powerplants in ground vehicles to eliminate greenhouse gas emissions for curbing climate change has received worldwide attention by both the vehicle industry and governmental agencies. To enhance safety, traffic flow, and operating efficiency of road transport, automated driving systems have been under active development. With growing interest in the exploration of the Moon, Mars, and beyond, research in terramechanics for guiding the development of extraterrestrial rovers has been intensified. In this new edition, these and other topics of interest in the field of ground vehicle technology are explored, and technical data are updated.

An updated and comprehensive text and reference for both the educational and professional communities, *Theory of Ground Vehicles, Fifth Edition* will prove invaluable to aspiring and practicing engineers seeking to solve real-world road and off-road vehicle mobility problems.

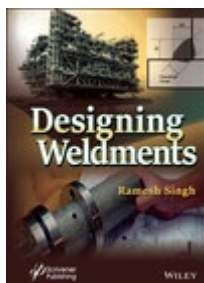
AUGUST 2022 624PP
978-1-119-71970-0 CL \$150.00 (Japan)
AUTOMOTIVE ENGINEERING

材料科学

Designing Weldments

EDITOR RAMESH SINGH

An important tool for professionals wishing to enhance their understanding or those who are new to the subject, *Designing Weldments* bridges that gap between structural engineers and a deeper understanding of the welding engineering within the structures.



In modern-day construction, welding is the primary method to join various members of any structure. Welds are required to meet various types of load in tension, compression, torsion, and perform in static or cyclic loading conditions. The weld has to be at least as strong as the parent metal to meet the demands of various stress working on the structure. It should meet the structural requirement, add value to the integrity of the structure, and prevent failures.

However, many design engineers lack even a fundamental insight or a basic understanding of essential welding processes and design requirements. Simply copying a few joint configurations in a drawing will not suffice. All-embracing and readable, *Designing Weldments* delivers a deeper understanding of many design factors that play a critical role in the design. The book clarifies welding design principles and applications. With this reference in hand, designers will have expert knowledge to consider very early on in the project, the implications of the choice of what type of weld to use for joining structural members, and how the component is made. The author explains the many welding techniques developed over the years, as well as some of which are still evolving.

Audience

The intended market for this book is professionals working on the infrastructural projects in shipbuilding, construction of buildings, bridges, offshore platforms, wind towers for renewable energy, and other structures that join plates, pipes, and pipelines in power plants, manufacturing, and repair.

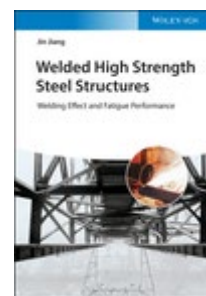
AUGUST 2022 240PP
978-1-119-86515-5 CL \$175.00 (Japan)
Joining, Welding and Adhesion

Welded High Strength Steel Structures

Mechanical Properties, Welding, and Fatigue Performance

JIN JIANG, SING PING CHIEW & ZHIWEI PENG

The book not only presents the thermal analysis, experimental and numerical studies for kinds of high strength steel joints, but also provides clear analysis for the effect of residual stress on mechanical behavior including fatigue performance of welded structure. Readers can get beneficial information on how to do thermal analysis and how to evaluate the impact of the residual stress on fatigue performance of welded structure.



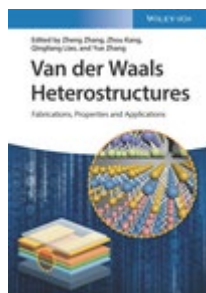
AUGUST 2022 400PP
978-3-527-34726-1 CL \$125.00 (Japan)
Joining, Welding and Adhesion

Van der Waals Heterostructures

Fabrications, Properties and Applications

EDITOR YUE ZHANG & EDITOR ZHENG ZHANG

This book systematically introduces the latest developments made in van der Waals heterostructures and devices based on 2D materials in all aspects, from basic synthesis to physical analysis, heterostructures assembling to devices applications.



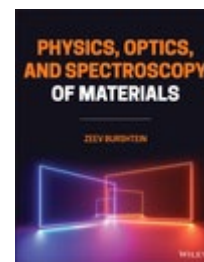
AUGUST 2022 300PP
978-3-527-34950-0 CL \$170.00 (Japan)
Electronic Materials

Physics, Optics, and Spectroscopy of Materials

ZEEV BURSHTEN

Bridges a gap that exists between optical spectroscopists and laser systems developers

Physics, Optics, and Spectroscopy of Materials provides professionals and students in materials science and engineering, optics, and spectroscopy a basic understanding and tools for stimulating current research, as well as developing and implementing new laser devices in optical spectroscopy. The author--a noted expert on that subject matter--covers a wide range of topics including: effects of light and matter interaction such as light absorption, emission and scattering by atoms and molecules; energy levels in hydrogen, hydrogen-like atoms, and many electron atoms; electronic structure of molecules, classification of vibrational and rotational motions of molecules, wave propagation and oscillations in dielectric solids, light propagation in isotropic and anisotropic solids, including frequency doubling dividing and shifting, solid materials optics, and lasers.



The book provides a basic overview of the laser and its comprising components. For example, the text describes methods for achieving fast Q-switching in laser cavities and illustrates examples of several specific laser systems used in industry and scientific research.

Written for research scientists and students in the fields of laser science and technology and materials optical spectroscopy, *Physics, Optics, and Spectroscopy of Materials* covers knowledge gaps for concepts including oscillator strength, allowed and forbidden transitions between electronic and vibrational states, Raman scattering, and group-theoretical states nomenclature.

AUGUST 2022 544PP
978-1-119-76873-9 CL \$185.00 (Japan)
Optical and Non-Linear Optical Materials

Laser-Based Additive Manufacturing

Modeling, Simulation, and Experiments

NARENDRA B. DAHOTRE, MANGESH V. PANTAWANE &
SHASHANK SHARMA

University of Tennessee, Laser Materials Processing Group,
Knoxville, USA

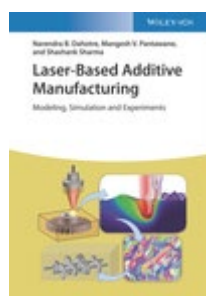
Explore laser-based additive manufacturing processes via multi-scale modeling and computer simulation

In *Laser-Based Additive Manufacturing: Modeling, Simulation and Experiments*, a distinguished team of researchers delivers an incisive framework for understanding materials processing using laser-based additive manufacturing (LAM). The book describes the use of computational modeling and simulation to explore and describe the LAM technique, to improve the compositional, phase, and microstructural evolution of the material, and to enhance the mechanical, chemical, and functional properties of the manufactured components.

The accomplished authors combine a comprehensive overview of multi-scale modeling and simulation with experimental and practical observations, offering a systematic review of laser-material interactions in advanced LAM processes. They also describe the real-world applications of LAM, including component processing and surface functionalization.

Perfect for materials scientists, mechanical engineers, and physicists, *Laser-Based Additive Manufacturing: Modeling, Simulation and Experiments* is perfect for anyone seeking an insightful treatment of this cutting-edge technology in the areas of alloys, ceramics, and composites.

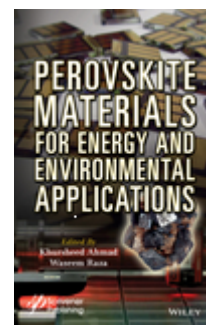
AUGUST 2022 320PP
978-3-527-34791-9 CL \$155.00 (Japan)
Materials Processing



Perovskite Materials for Energy and Environmental Applications

EDITOR KHURSHEED AHMAD & EDITOR WASEEM RAZA

Among all 3rd generation solar cells, perovskite solar cells have recently been attracting much attention and have also emerged as a hot research area of competing materials for silicon PV due to their easy fabrication, long charge-carrier lifetime, low binding energy, low defect density, and low cost. This book focuses primarily on the perovskite structures and utilizes them in modern technologies of photovoltaics and environmental applications. It will be unique in terms of the use of perovskite structures in solar cell applications. This book also discusses the type of perovskites, their synthetic approach, environmental and solar cell applications. The book also covers how perovskite solar cells originated and the recent advances in perovskite solar cells.



AUGUST 2022 336PP
978-1-119-76027-6 CL \$195.00 (Japan)
Materials for Energy Systems

Sodium-Ion Batteries

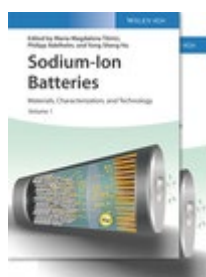
Materials, Characterization, and Technology, 2
Volumes

EDITOR MARIA-MAGDALENA TITIRICI, EDITOR PHILIPP
ADELHELM & EDITOR YONG SHENG HU

Queen Mary, University of London, School of Engineering and
Materials Science, London, UK

**Presents unparalleled coverage of
Na-ion battery technology, including
the most recent research and
emerging applications**

Na-ion battery technologies have emerged as cost-effective, environmentally friendly alternatives to Li-ion batteries, particularly for large-scale storage applications where battery size is less of a concern than in portable electronics or electric vehicles. Scientists and engineers involved in developing commercially viable Na-ion batteries need to understand the state-of-the-art in constituent materials, electrodes, and electrolytes to meet both performance metrics and economic requirements.



Sodium-Ion Batteries: Materials, Characterization, and Technology provides in-depth coverage of the material constituents, characterization, applications, upscaling, and commercialization of Na-ion batteries. Contributions by international experts discuss the development and performance of cathode and anode materials and their characterization - using methods such as NMR spectroscopy, magnetic resonance imaging (MRI), and computational studies - as well as ceramics, ionic liquids, and other solid and liquid electrolytes.

The handbook *Sodium-Ion Batteries: Materials, Characterization, and Technology* is an indispensable reference for researchers and development engineers, materials scientists, electrochemists, and engineering scientists in both academia and industry.

AUGUST 2022 736PP
978-3-527-34709-4 CL \$235.00 (Japan)
Materials for Energy Systems

Nanocomposites

Preparation, Characterisation and Modeling

JINBO BAI

AUGUST 2022 260PP
978-1-78945-031-6 CL \$165.00 (Japan)
Nanotechnology General

ナーシング

The Nurse's Essential Bundle: The Royal Marsden Student Manual, 10e; Nursing Practice, 3e; Anatomy and Physiology, 3e

EDITOR SARA LISTER, EDITOR JUSTINE HOFLAND, EDITOR HAYLEY GRAFTON, EDITOR CATHERINE WILSON, EDITOR IAN PEATE, GIBRALTAR, EDITOR ABY MITCHELL & EDITOR SUZANNE EVANS, AUSTRALIA

Bundle includes:

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The student edition of *The Royal Marsden Manual of Clinical Nursing Procedures* has been the definitive, market-leading textbook of clinical nursing skills for over fifteen years. This internationally best-selling title sets the gold standard for nursing care, providing the procedures, rationale, and guidance required by pre-registration students to deliver clinically effective, patient-focused care with expertise and confidence.

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Nursing Practice is the definitive nursing textbook, designed to support the student throughout the entire nursing degree. Structured around the Nursing and Midwifery Council Code of Conduct and the latest Standards for Education, it explores a range of clinical and professional issues that the student will need to know in one complete and accessible volume.

9781119576488 Fundamentals of Anatomy and Physiology: For Nursing and Healthcare Students, 3rd Edition

Fundamentals of Anatomy and Physiology is a concise yet comprehensive introduction to the structure and function of the human body. Written with the needs of nursing and healthcare students in mind, this bestselling textbook presents clinical scenarios and hundreds of colourful illustrations to demonstrate how the topics covered are applied in practice.

AUGUST 2022 136PP
978-1-119-98407-8 PB \$100.95 (Japan)
Nursing General

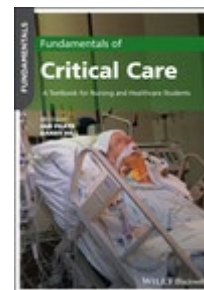
Fundamentals of Critical Care

A Textbook for Nursing and Healthcare Students

EDITOR IAN PEATE, GIBRALTAR & EDITOR BARRY HILL

University of Hertfordshire, UK; Northumbria University, UK

In *Fundamentals of Critical Care: A Textbook for Nursing and Healthcare Students*, a team of clinicians and health educators deliver an accessible, timely, and evidence-based introduction to the role of nurses and healthcare practitioners in critical care. The book explores fundamental concepts in critical care and their implications for practice. Each chapter outlines essential knowledge necessary to understand key concepts and includes high quality, full colour artwork to enhance learning and recall.



Readers are also provided with clinical scenarios with practice questions and red and orange flags to indicate physiological and psychological alerts respectively. Covering a range of common and specialized disease processes and treatments requiring critical care, the book provides:

- A thorough introduction to the critical care unit, including philosophies of care, ways of working, humanization, and outreach
- Comprehensive exploration of organizational influences, including political, local, national, and international influences
- Practical discussion of legal, ethical, and professional issues, as well as evidence-based approaches to critical care
- In-depth examination of nursing care assessment tools, nursing communication, cognition, pharmacology, and more

Perfect for nursing students and trainee nursing associates, *Fundamentals of Critical Care: A Textbook for Nursing and Healthcare Students* will also earn a place in the libraries of healthcare students in physiotherapy, paramedicine, medicine, and those returning to practice.

SERIES: FUNDAMENTALS

AUGUST 2022 528PP
978-1-119-78325-1 PB \$44.95 (Japan)
General Clinical Nursing

物理学

Physics I: 501 Practice Problems For Dummies (+ Free Online Practice)

THE EXPERTS AT DUMMIES, HOBOKEN, UNITED STATES

Wiley

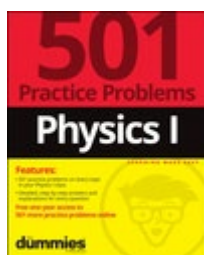
Overcome your study inertia and polish your knowledge of physics

Physics I: 501 Practice Problems For Dummies gives you 501 opportunities to practice solving problems from all the major topics covered in your Physics I class—in the book and online! Get extra help with tricky subjects, solidify what you've already learned, and get in-depth walk-throughs for every problem with this useful book. These practice problems and detailed answer explanations will help you succeed in this tough-but-required class, no matter what your skill level. Thanks to Dummies, you have a resource to help you put key concepts into practice.

- Work through practice problems on all Physics I topics covered in school classes
- Step through detailed solutions to build your understanding
- Access practice questions online to study anywhere, any time
- Improve your grade and up your study game with practice, practice, practice

The material presented in *Physics I: 501 Practice Problems For Dummies* is an excellent resource for students, as well as parents and tutors looking to help supplement Physics I instruction.

Physics I: 501 Practice Problems For Dummies (9781119883715) was previously published as *Physics I Practice Problems For Dummies* (9781118853153). 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.

**Quantum Mechanics**

Concepts and Applications, 3rd Edition

NOUREDINE ZETTLI

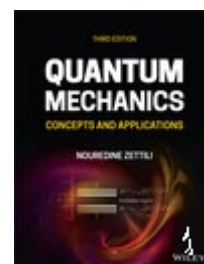
Jacksonville State University, USA

An innovative approach to quantum mechanics that seamlessly combines textbook and problem-solving book into one

Quantum Mechanics: Concepts and Applications provides an in-depth treatment of this fundamental theory, combining detailed formalism with straightforward practice. Thoroughly integrating close to seven hundred examples, solved problems, and exercises into a well-structured and concise text, the textbook offers instructors a pedagogically sound teaching tool, students a clear, balanced and modern approach to the subject, and researchers a quick practical guide.

The book begins with a thorough description of the origins of quantum physics before discussing the mathematical tools required in the field and the postulates upon which it is founded. *Quantum Mechanics* is broad in scope, covering such aspects as one-dimensional and three-dimensional potentials, angular momentum, rotations and addition of angular momenta, identical particles, time-independent and -dependent approximation methods, scattering theory, relativistic quantum mechanics, and classical field theory among others. Each of these diverse areas are enhanced with a rich collection of illustrative examples and fully-solved problems to ensure complete understanding of this complex topic.

Quantum Mechanics is a comprehensive textbook which is most useful to senior undergraduate and first-year graduate students seeking mastery of the field, as well as to researchers in need of a quick, practical reference for the various techniques necessary for optimal performance in the subject.



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GENERAL PHYSICS

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QUANTUM PHYSICS & FIELD THEORY

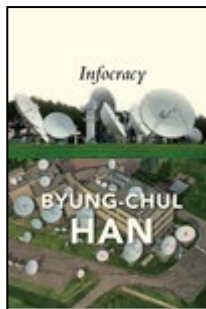
哲学

Infocracy

Digitization and the Crisis of Democracy

BYUNG-CHUL HAN & TRANSLATED BY DANIEL STEUER

READERSHIP: Students and scholars in philosophy, critical theory, social and political theory, media and communications, and the humanities and social sciences generally; general readers interested in contemporary politics.



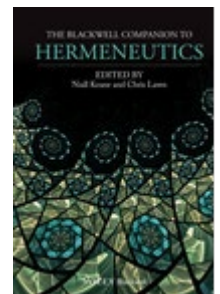
AUGUST 2022 80PP
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978-1-5095-5298-6 PB \$16.95 (Japan)
General Philosophy

The Blackwell Companion to Hermeneutics

EDITOR NIALL KEANE & EDITOR CHRIS LAWN

Mary Immaculate College, University of Limerick, Ireland;
Mary Immaculate College, University of Limerick, Ireland

A Companion to Hermeneutics is a collection of original essays from leading international scholars that provide a definitive historical and critical compendium of philosophical hermeneutics.



- Offers a definitive historical, systematic, and critical compendium of hermeneutics
- Represents state-of-the-art thinking on the major themes, topics, concepts and figures of the hermeneutic tradition in philosophy and those who have influenced hermeneutic thought, including Kant, Hegel, Schleiermacher, Dilthey, Heidegger, Gadamer, Ricoeur, Foucault, Habermas, and Rorty
- Explores the art and theory of interpretation as it intersects with a number of philosophical and inter-disciplinary areas, including humanism, theology, literature, politics, education and law
- Features contributions from an international cast of leading and upcoming scholars, who offer historically informed, philosophically comprehensive, and critically astute contributions in their individual fields of expertise
- Written to be accessible to interested non-specialists, as well as professional philosophers

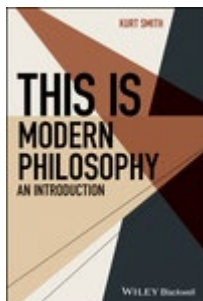
AUGUST 2022 640PP
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9781118529638 CL \$202.75 (Japan) Published, Jan 2016
Continental Philosophy

This Is Modern Philosophy

An Introduction

KURT SMITH

Explore essential contributions to modern philosophy In *This Is Modern Philosophy: An Introduction*, renowned philosopher and author Kurt Smith delivers a startlingly insightful and comprehensive exploration of the issues, debates, and discussions animating modern philosophy. Thought provoking commentary accompanies carefully curated selections from influential philosophers who represent the best that contemporary philosophy has to offer.



SERIES: THIS IS PHILOSOPHY

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Interpreting Kant for Education

Dissolving Dualisms and Embodying Mind

SHEILA WEBB

Through a spiralling series of arguments, Sheila Webb dismantles the sclerotic dualisms of fact and value, subject and object, and body and mind that have done so much to hamper appreciation of Immanuel Kant and to harm education.

- A ground-breaking work in the philosophy of education that allows a reappraisal of Kant - it plays its part in the reengagement with Kant in the wider analytic tradition and provides a secure footing for better research and practice in education
- Demonstrates how no thinker in the modern world has laid the way for the development of philosophy so influentially as Immanuel Kant, and it is hard to think of the philosophy of education without some sense of Kant in the background
- Explores how simplified exegeses and synoptic accounts have made a 'Kantian' picture that readily succumbs to caricature - and how *Interpreting Kant for Education* exposes the errors in this picture
- An original theoretical engagement with Kant, providing new ways to understand his insights and offering a secure theoretical footing for better educational research

SERIES: JOURNAL OF PHILOSOPHY OF EDUCATION

AUGUST 2022 200PP
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Philosophy of Education

政治学

Consciousness

EDITOR JOSH WEISBERG, EDITOR DAVID ROSENTHAL & SERIES
EDITOR STEVEN M. CAHN

University of Houston; City University; CUNY Graduate Centre

An incisive and thought-provoking collection of philosophical literature on consciousness, featuring contemporary work in the field

Consciousness is a compilation of many of the most important philosophical writings on consciousness, integrating influential scholarship from the past four decades and the work of emerging thought leaders in the field. Providing an overview of key philosophical debates within consciousness studies, this carefully balanced reader brings together classic work by seminal figures including Nagel, Lewis, Block, and Dennett, as well as innovative papers from contemporary philosophers like Schellenberg, Chalmers, and Montague.



Editors Josh Weisberg and David Rosenthal include discussions that highlight modern debates and connect consciousness to broader philosophical topics. Divided into five parts, this volume addresses problems in consciousness, consciousness and knowledge, qualitative consciousness, and theories of consciousness. A brief final section on agency and physicalism features work by Galen Strawson and an original article by Myrto Mylopoulos.

Combining new and classic material, *Consciousness* is an ideal reader for advanced undergraduate and graduate courses in consciousness, a useful supplementary text for general classes in philosophy, and a valuable reference work for philosophers of mind, cognitive scientists, and psychologists.

SERIES: WILEY BLACKWELL READINGS IN PHILOSOPHY

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Philosophy of Mind

U.S. Citizenship For Dummies

2nd Edition

JENNIFER GAGLIARDI, SAN JOSE, UNITED STATES

Become a U.S. immigration wiz with this hands-on and practical guide to U.S. citizenship

In *U.S. Citizenship For Dummies*, expert citizenship and ESL instructor Jennifer Gagliardi walks you through the ins and outs of the complicated process of obtaining citizenship in the United States. From preparing for test day to understanding the interview process and learning about recent changes to immigration laws, this book demystifies the legal process of transforming a foreign national into a citizen of the U.S.



In this book, you'll get:

- Up-to-date info on the various application and immigration forms you'll need to complete to become a citizen
- Needed preparation for the all-important interview
- Complete coverage of the different visas and green cards available to foreign nationals and how you can qualify for them

Whether you're an immigrant-to-be who's interested in becoming an American citizen, or you're already a citizen but you want to bone up on U.S. history, government, and civics knowledge, *U.S. Citizenship For Dummies* is the perfect guide to the procedural and substantive knowledge you need to understand the American immigration system.

AUGUST 2022 UnknownPP
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CONSTITUTION, GOVERNMENT & THE STATE

心理学

Diversity and Satire

Laughing at Processes of Marginalization

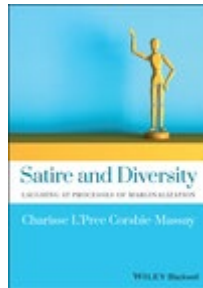
CHARISSE L'PREE CORSBIE-MASSAY

The first textbook to explore diversity by demonstrating how satirical content can advance the discussion and change attitudes

Engaging in diversity and promoting inclusion means working to remove institutional inequities and actively assist those who have suffered from these inequities. In our changing media and cultural environment, satire has emerged as an increasingly popular approach for promoting diversity and inclusion. Effective satire highlights the absurdity of marginalization processes, but misinterpretation can potentially reinforce historical power dynamics and perpetuate marginalization.

Diversity and Satire examines how satire in both traditional media and new spaces reinforces or disrupts issues of marginalization in the United States. Critically analyzing many different forms of satire, this innovative textbook helps students understand what makes effective satire, describe the value of satirical content to others, and recognize how satirical artifacts advance or hinder efforts to diversify institutions. Beginning with an introduction to satire and how it can drive conversations about diversity, the text addresses how satire can be used to address historical discriminatory practices. Each chapter features satirical artifacts that contextualize the material as well as practical advice and tips to consider when engaging with satirical content and distinguishing satire.

Based on the author's popular course at the S.I. Newhouse School of Public Communications at Syracuse University, *Diversity and Satire: Laughing at Processes of Marginalization* is an important resource for students, instructors, and general readers looking to explore disparities related to Class, Gender, Sexuality, and Race through the lens of satire.



AUGUST 2022 224PP
978-1-119-65197-0 PB \$59.95 (Japan)
Diversity, Culture & Ethnicity

Cognitive-Behavioural Therapy for Insomnia (CBT-I) Across the Life Span

Guidelines and Clinical Protocols for Health Professionals

DIETER RIEMANN, COLIN A ESPIE & CHIARA BAGLIONI

A comprehensive presentation of the use of CBT in patients experiencing insomnia

In *Cognitive-Behavioural Therapy for Insomnia (CBT-I) Across the Life Span: Guidelines and Clinical Protocols for Health Professionals*, a team of distinguished medical researchers delivers a comprehensive exploration of various treatment protocols used by health professionals treating patients with insomnia from several different populations. The included treatment protocols are written by members of the European Academy for Cognitive-Behaviour Treatment for Insomnia and reflect the most current practice and theoretical models.

The editors have included contributions from leading scholars throughout Europe, as well as up-and-coming researchers with new and exciting data and conclusions to share with the community of health practitioners treating patients experiencing insomnia. In the book, readers will find discussions of the presentation of insomnia in different professional populations-including healthcare workers and shift workers- as well as the presence of common comorbidities.

Perfect for psychologists, psychiatrists, social workers, and other clinicians engaged in the treatment of insomnia, *Cognitive-Behavioural Therapy for Insomnia (CBT-I) Across the Life Span* will also earn a place in the libraries of medical researchers with a professional interest in CBT, insomnia and other sleep disorders.

AUGUST 2022 272PP
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Cognitive Behavioral Therapy (CBT)

危機管理

Intelligent Security Management and Control in the IoT

MOHAMED-AYMEN CHALOUF

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General & Introductory Security Management

社会学

The Culture of Democracy

A Sociological Approach to Civil Society

BIN XU

READERSHIP: upper-level undergraduates, graduate students, and scholars of cultural sociology, political sociology, social theory, and political science.



SERIES: CULTURAL SOCIOLOGY

AUGUST 2022 200PP
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978-1-5095-4399-1 PB \$24.95 (Japan)
Political Sociology

統計学

Community**Seeking Safety in an Insecure World**

CRAIG CALHOUN

New York University

'Community' is one of those words that feels good: it is good 'to have a community', 'to be in a community'. And 'community' feels good because of the meanings which the word conveys, all of them promising pleasures, and more often than not the kind of pleasures which we would like to experience but seem to miss.

'Community' conveys the image of a warm and comfortable place, like a fireplace at which we warm our hands on a frosty day. Out there, in the street, all sorts of dangers lie in ambush; in here, in the community, we can relax and feel safe. 'Community' stands for the kind of world which we long to inhabit but which is not, regrettably, available to us. Today 'community' is another name for paradise lost - but for a paradise which we still hope to find, as we feverishly search for the roads that may lead us there.

But there is a price to be paid for the privilege of being in a community. Community promises security but seems to deprive us of freedom, of the right to be ourselves. Security and freedom are two equally precious and coveted values which could be balanced to some degree, but hardly ever fully reconciled. The tension between security and freedom, and between community and individuality, is unlikely ever to be resolved. We cannot escape the dilemma but we can take stock of the opportunities and the dangers, and at least try to avoid repeating past errors.

In this important new book, Zygmunt Bauman takes stock of these opportunities and dangers and, in his distinctive and brilliant fashion, offers a much-needed reappraisal of a concept that has become central to current debates about the nature and future of our societies.

SERIES: KEY CONCEPTS

AUGUST 2022 250PP
978-0-7456-2783-0 CL \$105.00 (Japan)
Social Identity

Design of Experiments for Reliability AchievementSTEVEN E. RIGDON, RONG PAN, DOUGLAS C. MONTGOMERY,
UNITED STATES & CONNIE M. BORRORSouthern Illinois University; Georgia Institute of Technology;
Arizona State University

This book illustrates how experimental design and life testing can be used to understand product reliability in order to enable reliability improvements. The book is divided into four sections. The first section focuses on statistical distributions and methods for modeling reliability data. The second section provides an overview of design of experiments including response surface methodology and optimal designs. The third section describes regression models for reliability analysis focused on lifetime data. This section provides the methods for how data collected in a designed experiment can be properly analyzed. The final section of the book pulls together all of the prior sections with customized experiments that are uniquely suited for reliability testing. Throughout the text, there is a focus on reliability applications and methods. It addresses both optimal and robust design with censored data.



To aid in reader comprehension, examples and case studies are included throughout the text to illustrate the key factors in designing experiments and emphasize how experiments involving life testing are inherently different. The book provides numerous state-of-the-art exercises and solutions to help readers better understand the real-world applications of experimental design and reliability. The authors utilize R and JMP® software throughout as appropriate, and a supplemental website contains the related data sets.

This book is a key reference for statistical researchers, reliability engineers, quality engineers, and professionals in applied statistics and engineering. It is a comprehensive textbook for upper-undergraduate and graduate-level courses in statistics and engineering.

SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

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Experimental Design

テストプレップ

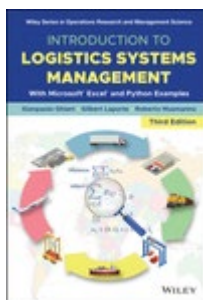
Introduction to Logistics Systems Management

With Microsoft® Excel® and Python examples
3rd Edition

GIANPAOLO GHIANI, GILBERT LAPORTE & ROBERTO MUSMANNO

University of Lecce, Italy; HEC Montréal, Canada; University of Calabria, Italy

Introduction to Logistics Systems Management provides an in-depth introduction to the methodological aspects of planning, organization, and control of logistics for organizations in the private, public and non-profit sectors. Based on the authors' extensive teaching, research, and industrial consulting experience, this classic textbook is used in universities worldwide to teach students the use of quantitative methods for solving complex logistics problems.



Fully updated and revised, the third edition places increased emphasis on the complexity and flexibility required by modern logistics systems. In this context, the extensive use of data, descriptive analytics, predictive models, and optimization techniques will be invaluable to support the decisions and actions of logistics and supply chain managers. Throughout the book, brand-new case studies and numerical examples illustrate how various methods can be used in industrial and service logistics to reduce costs and improve service levels.

Introduction to Logistics Systems Management, Third Edition remains an essential textbook for senior undergraduate and graduate students in engineering, computer science, and management science courses. It is also a highly useful reference for academic researchers and industry practitioners alike.

SERIES: WILEY SERIES IN OPERATIONS RESEARCH AND MANAGEMENT SCIENCE

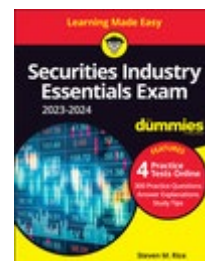
AUGUST 2022 544PP
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QUALITY, PRODUCTIVITY & RELIABILITY

Securities Industry Essentials Exam 2023-2024 For Dummies with Online Practice

STEVEN M. RICE, HAUPPAUGE

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Securities Industry Essentials Exam 2023-2024 For Dummies is this year's definitive study guide for prospective securities industry professionals--that means you! FINRA administers this notoriously difficult exam as a prerequisite to the Series 7 and other series level exams, so you'll need to know your stuff in order to get where you're going. Securities professionals are in high demand, and this study guide can help you become one of them. You'll have access to two complete practice tests, plus two more online!



With this trusted *Dummies* guide, you have everything you need to get a high score on the SIE. Hundreds of practice questions help you internalize the must-know info, and we explain the content in a way you can easily grasp. You'll go into your securities exam feeling, well, secure!

- Review all the content tested on the Security Industry Professionals exam
- Get prepared with two in-book practice tests and two more online tests
- Launch your dream career in the growing field of securities, commodities, and financial services
- Take an in-depth look at how the SIE exam is structured and how you can improve your score

Let employers see how well you know your stuff--this friendly study guide is your ticket to passing the SIE.

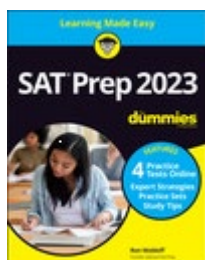
AUGUST 2022 384PP
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TEST PREP GENERAL

SAT Prep 2023 For Dummies with Online Practice

RON WOLDOFF, PHOENIX, UNITED STATES

Dummies helps you nail it on test day

We don't need to tell you what the SAT is, because you already know that a high score on this college entrance exam can put you on the road to admission or even a scholarship at the school of your dreams. If you're one of the over 2 million students taking the SAT this year, you need *SAT Prep 2023 For Dummies with Online Practice* to help you perform your best. Inside, you'll find everything you need to know about the test itself--what's on it, how to manage your time, and proven strategies to get your best possible score. Plus, we'll walk you through all the crucial content in each subject area, so you'll roll into the test room with confidence.



- Work through practice SAT tests
- Show college admissions committees that you have what it takes to succeed
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- Boost your chances of getting into your top choice school, maybe even with a scholarship

With an extensively updated math section and revisions to keep things current, *SAT Prep 2023 For Dummies with Online Practice* is your ticket to a higher score on this year's test.

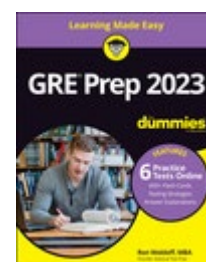
AUGUST 2022 400PP
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SAT, ACT PREP

GRE Prep 2023 For Dummies with Online Practice

RON WOLDOFF, PHOENIX, UNITED STATES

Prepare efficiently and effectively for the Graduate Record Examination

The Graduate Record Examination (GRE) is the most widely accepted graduate-school admissions test in the world. Over half a million people take the test every year. *GRE Prep 2023 For Dummies with Online Practice* is filled with useful, hands-on practice materials to help you reach your goals on this standardized test. The book teaches the verbal reasoning, quantitative reasoning, critical thinking, and analytical writing skills required in graduate school and on the exam, so that you can get into the school of your choice -- even with a scholarship -- and start your journey towards the career that you want.



In the book, you'll find:

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- Proven strategies for acing the math sections
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Perfect for prospective graduate students seeking to take the GRE, *GRE Prep 2023 For Dummies with Online Practice* is a must-read handbook containing detailed content information, strategies for improving your score and testing well, along with plenty of opportunities to practice what you've learned.

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GRE PREP

GMAT Prep 2023 For Dummies with Online Practice

SCOTT A. HATCH, GOLDEN & LISA ZIMMER HATCH, GOLDEN

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- Learn proven tips and tricks for maximizing your score on all sections of the GMAT
- Figure out where you need to study the most and create a targeted study plan
- Take seven full-length practice tests, so you'll be an old pro by the time test day rolls around
- Get practice questions, flashcards, and review activities that make studying hands-on and help you remember

This edition, specific to the 2023 GMAT test, covers updates to the verbal section of the exam. We've got even better, clearer explanations, plus coverage of all the changes in the Official Guide to GMAT. If you're ready to kick butt on the GMAT, this is your book!

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GMAT, LSAT PREP



CompTIA A+ Complete Deluxe Study Guide with Online Labs

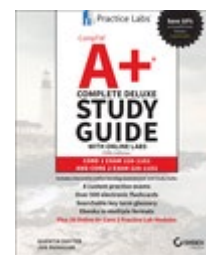
Core 1 Exam 220-1101 and Core 2 Exam 220-1102

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QUENTIN DOCTER & JON BUHAGIAR

The ultimate resource for successful certification and IT skillset enhancement

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The book also includes:

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A+ CERTIFICATION

獣医学

BSAVA Manual of Canine and Feline Endocrinology

5th Edition

EDITOR CARMEL T. MOONEY & EDITOR MARK E. PETERSON

University College, Dublin; The Animal Medical Centre

AUGUST 2022 350PP
 978-1-910443-85-9 PB \$115.00 (Japan)
 VETERINARY INTERNAL MEDICINE

Feline Emergency and Critical Care Medicine

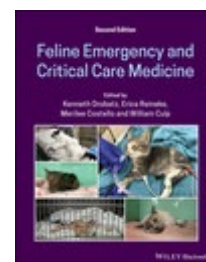
2nd Edition

KENNETH J. DROBATZ, ERICA REINEKE, MERILEE F. COSTELLO & WILLIAM T. N. CULP

University of Pennsylvania, Philadelphia, PA ; University of Pennsylvania, Philadelphia, PA

The updated Second Edition of *Feline Emergency and Critical Care Medicine* delivers a practical guide for veterinary practitioners dealing with injured or ill cats.

The book focuses on clinically oriented information tailored to a fast-paced emergency setting. Perfect as a quick reference--with a concise outline format designed to facilitate immediate access to critical information--this edition of the popular book emphasizes the skillful and informed management of feline veterinary emergencies.



The new edition of *Feline Emergency and Critical Care Medicine* also includes:

- A thorough introduction to veterinary approaches to the care of critically ill cat, cardiopulmonary-cerebral resuscitation, shock, and trauma
- Comprehensive explorations of anesthetic protocols for systemically healthy cats and pain management in critically ill feline patients
- Practical discussions of general approaches to neurologic emergencies, including those involving the brain, spinal cord, and peripheral organs
- In-depth examinations of a wide variety of emergency surgical procedures, including gastrointestinal, urinary, and other surgeries

Feline Emergency and Critical Care Medicine Second Edition is an invaluable resource for feline and small animal veterinary practitioners and emergency and critical care specialists.

AUGUST 2022 UnknownPP
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 VETERINARY EMERGENCY & CRITICAL CARE

Veterinary Microbiology

4th Edition

EDITOR D. SCOTT MCVEY, EDITOR MELISSA KENNEDY, EDITOR M. M. CHENGAPPA & EDITOR REBECCA WILKES

UNL Veterinary Diagnostic Center; University of Tennessee;
College of Veterinary Medicine at Kansas State University,
Manhattan, Kansas

Veterinary Microbiology, Fourth Edition presents comprehensive information based on the most recent research, diagnostic, and clinical publications for bacterial, fungal, and viral animal diseases. The information provided is intended to be most relevant for veterinary students and practitioners.



The text is supported throughout by high-quality and full-color images to aid learning. A companion website offers chapter content, supplemental information, and figures from the book in PowerPoint format. Sample topics discussed within the book include:

- Pathogenic bacteriology: includes major classifications and genera of bacteria associated with veterinary infectious disease
- Pathogenic mycology: dermatophytes, agents of subcutaneous mycoses, and agents of systemic mycoses
- Pathogenic virology: includes RNA and DNA viruses as well as prions associated with veterinary infectious disease

AUGUST 2022 UnknownPP
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VETERINARY MICROBIOLOGY, PARASITOLOGY, INFECTIOUS DISEASES &
IMMUN

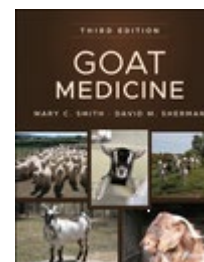
Goat Medicine

3rd Edition

MARY C. SMITH & DAVID M. SHERMAN

Department of Population Medicine and Diagnostic Sciences,
College of Veterinary Medicine, Cornell University, Ithaca,
New York; Cummings School of Veterinary Medicine, Tufts
University, North Grafton, Massachusetts

Provides readers with an in depth understanding of the full range of diseases potentially occurring by goats across the wide spectrum of geographic and management conditions in which goats are kept, from extensive grazing to intensive dairy production to backyard pet.



Goat Medicine, Third Edition is a complete resource for understanding caprine diseases worldwide. Covering the latest advances on diagnostic and therapeutic techniques, the two authors, board certified veterinarians with a global experience in goat health and production, offer a comprehensive examination of all important diseases encountered in the goat. The book offers authoritative and clinically relevant information on recognizing, diagnosing, treating, controlling and preventing goat disease at the individual, herd and national levels.

To aid in reader comprehension and promote seamless assimilation of the knowledge contained within, the book is logically organized by body system and includes full color images throughout.

Scientists, researchers, government veterinarians, laboratory diagnosticians, industry veterinarians, veterinary technicians and veterinary practitioners around the world can confidently consult this book time and again as an all-in-one, complete resource for all topics pertaining to goat health and disease.

AUGUST 2022 928PP
978-1-119-38273-7 CL \$224.99 (Japan)
VETERINARY MEDICINE - FARM ANIMALS

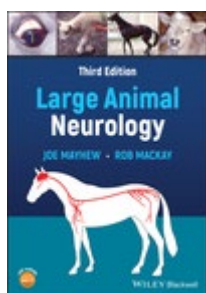
Large Animal Neurology

3rd Edition

I. G. JOE MAYHEW & ROB MACKAY

A comprehensive and authoritative guide to neurologic disease in large domestic animals, world-wide.

The newly revised Third Edition of *Large Animal Neurology* delivers a practical and complete reference for veterinarians, veterinary trainees and scientists dealing with large animal neurology. The book is vividly illustrated in full colour and contains many clinical photographs and detailed line drawings to highlight the concepts discussed within.



Organised into three parts, *Large Animal Neurology* offers practitioners and students straightforward guides on how to perform neurologic examinations for domestic large animal species, including neonates. It also discusses the presenting clinical syndromes caused by common nervous system diseases, as well as giving details of the specific neurologic diseases of large domestic animals.

Perfect for all equine and farm animal veterinarians, veterinary neurologists, as well as trainees in the field, *Large Animal Neurology, Third Edition* is also an ideal resource for undergraduate veterinary students, animal pathologists, and neuroscience researchers.

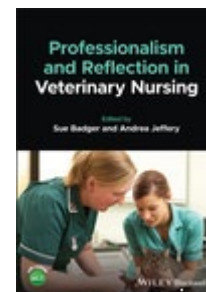
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VETERINARY MEDICINE - EQUINE

Professionalism and Reflection in Veterinary Nursing

EDITOR SUSAN F. BADGER & EDITOR ANDREA JEFFERY

Understand and advance the practice of modern veterinary nursing In *Professionalism and Reflection in Veterinary Nursing*, a team of accomplished veterinary professionals delivers an insightful discussion of the role of veterinary nurses in 21st century practice. The book facilitates a deeper understanding of the theory behind clinical nursing practice and covers the

core issues, themes, and principles that explain the function and purpose of veterinary nursing. Readers will explore the role of registered veterinary nurses, their responsibilities to patients, how to evaluate and implement evidence-based practices. The book also points readers to additional nurse trainer and educator resources. *Professionalism and Reflection in Veterinary Nursing* is an invaluable guide for veterinary student nurses and experienced nurses already in practice.



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