

JAPAN PREVIEW

September 2022



WILEY

PICK OF THE MONTH ~ 今月のお勧めタイトル

A Companion to the Archaeology of the Roman Empire (再掲載) / BARBARA BURRELL →P 12

Chemistry : The Molecular Nature of Matter, 8th Edition, International Adaptation

NEIL D. JESPERSEN, JAMES E. BRADY & ALISON HYSLOP →P 24

Organic Syntheses, Volume 98 / EDITOR CHRIS H. SENANAYAKE →P 32

Asymmetric Synthesis of Natural Products, 3rd Edition / ARI M. P. KOSKINEN →P 32

Machine Learning and Data Science: Fundamentals and Applications

EDITOR PRATEEK AGRAWAL, EDITOR CHARU GUPTA, EDITOR ANAND SHARMA, EDITOR VISHU MADHAN & EDITOR NISHEETH JOSHI →P 34

A Companion to Experimental Cinema / EDITOR FEDERICO WINDHAUSEN →P 41

COVID-19: The Postgenomic Pandemic / HUGH PENNINGTON →P 58

Physics: 12th Edition, International Adaptation

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Essentials of Semiconductor Device Physics / EMILIANO MARTINS →P80

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The R Book, 3rd Edition / ELINOR JONES, SIMON HARDEN & MICHAEL J. CRAWLEY →P96

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JAPAN PREVIEW

- ◆ 毎月 1 日発行
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European Distribution Centre
New Era Estate
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T: +44 (0) 01243 843291
F: +44 (0) 01243 843303
keyaccounts@wiley.com

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Tel: 03-4520-9060(部署代表) Fax: 03-4520-9059 E-mail: edu-japan@wiley.com

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芸術

The Sistine Chapel

History of a Masterpiece

ANTONIO FORCELLINO & TRANSLATED BY LUCINDA BYATT

La Terza University

READERSHIP: General readers interested in art and art history; historians of art and of the Renaissance.

SEPTEMBER 2022 250PP
978-1-5095-4923-8 CL \$29.95 (Japan)
Art History & Criticism

農業

Knott's Handbook for Vegetable Growers

6th Edition

GEORGE J. HOCHMUTH & REBECCA G. SIDEMAN

University of Florida, Gainesville

Knott's Handbook for Vegetable Growers is a compact compendium of factual data for commercial vegetable growers, with most of the data presented in the form of tables and charts. It is a ready reference work, filled with information such as transplant production, planting rates and spacing, methods for controlling diseases, insect pest identification, and even a multilanguage vegetable dictionary. It includes information on such topics as composting, fresh cut vegetable products, GMO, organic growing and federal regulations, BMP information, environmentally friendly pest management, food safety, and sustainable growing and production. New to this edition --Computer-based crop monitoring technologies; robotic disease control and harvesting systems; new protected-ag production systems including vertical systems, and indoor production. Updates to this edition -- New production systems including protected organic agriculture, soil moisture sensing, environmental monitoring, soil health, soil conservation.- Advances in food safety regulations, new invasive pests.- New technologies including satellite-based decision-making, robotics, UAVs for increasing production efficiency. For more than 65 years, *Knott's Handbook for Vegetable Growers* has provided generations of commercial growers with the most timely, accessible, and useful information available on the subject, containing key guidance on transplant production, planting rates and spacing, irrigation, fertilization, methods for controlling diseases, and insect pest identification, plus important information on topics such as composting, post-harvest storage and processing, genetically-engineered crops, organic growing, federal regulations and best management practices, environmentally friendly pest management, and food safety.

SEPTEMBER 2022 528PP
978-1-119-81107-7 PB \$115.95 (Japan)
GENERAL & INTRODUCTORY AGRICULTURE

Modeling Processes and Their Interactions in Cropping Systems

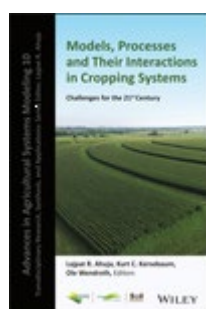
Challenges for the 21st Century

EDITOR LAJPAT R. AHUJA, EDITOR CLAUDIO O. STOCKLE & EDITOR OLE WENDROTH

USDA, Fort Collins, CO

A complete discussion of soil-plant-climate-management processes

In *Models, Processes and Their Interactions in Cropping Systems: Challenges for the 21st Century*, a team of distinguished researchers delivers a comprehensive and up-to-date scientific textbook devoted to teaching the modeling of soil-plant-climate-management processes at the upper undergraduate and graduate levels. The book emphasizes the new opportunities and paradigms available to modern lab and field researchers and aims to improve their understanding and quantification of individual processes and their interactions.



The book helps readers quantify field research results in terms of the fundamental theory and concepts broadly generalizable beyond specific sites, as well as predict experimental results from knowledge of the fundamental factors that determine the environment and plant growth in different climates.

Perfect for upper-level undergraduate and graduate students studying the modeling of soil-plant-climate-management processes, *The book will also be essential reading for anyone interested in the 2030 breakthroughs in agriculture identified by the National Academies of Sciences, Engineering, and Medicine.*

Volume 10 in the series, *Advances in Agricultural Systems Modeling: Transdisciplinary Research, Synthesis, and Applications*

SERIES: ADVANCES IN AGRICULTURAL SYSTEMS MODELING

SEPTEMBER 2022 448PP
978-0-89118-385-3 CL \$195.00 (Japan)
Sustainable & Organic Agriculture

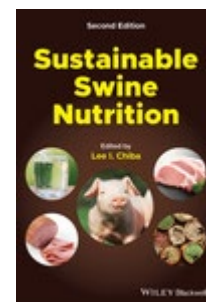
Sustainable Swine Nutrition

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.

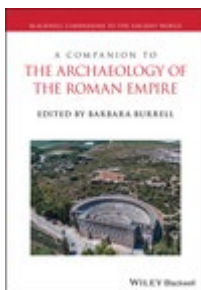
SEPTEMBER 2022 752PP
978-1-119-58389-9 CL \$199.95 (Japan)
ANIMAL AGRICULTURE

人類学

A Companion to the Archaeology of the Roman Empire (再掲載)

BARBARA BURRELL

Discover the latest developments in the archaeological scholarship concerning the Roman empire. In *A Companion to the Archaeology of the Roman Empire*, renowned scholar Barbara Burrell delivers an authoritative and insightful exploration of the archaeology of ancient Rome. Part of the Blackwell Companions to the Ancient World series, this robust and scholarly work offers interested academics and laypersons an expertly curated collection of illuminating research and discusses the latest developments in the literature.



SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

SEPTEMBER 2022 Unknown PP
978-1-118-62031-1 CL \$395.00 (Japan)
Greek & Roman Archaeology

建築学

Carbon

A Field Manual for Building Designers

MATTI KUITTINEN, ALAN ORGANSCHI & ANDREW RUFF

A comprehensive approach to design that integrates sustainable principles and design strategies for decarbonized construction



Representing an international collaboration between academics and architects in the United States and Europe, *Carbon: A Field Manual for Designers and Builders* offers professionals in the field an approach to sustainable design that embraces building science principles, life-cycle analysis, and design strategies in carbon neutral construction. The book also contains background information on carbon in construction materials and in the building design process.

This book is filled with illustrative diagrams and drawings that help evaluate the potential impact of design decisions for creating carbon emissions. Written by and for designers and builders, the book includes a compelling pair of case studies that explore carbon-reducing strategies, suggests steps for assessing a building's carbon footprint, and reviews carbon storages and circulation of materials. The guidelines detailed in the book can be adopted, replicated, and deployed to reduce carbon emissions and create more sustainable buildings.

Written for practicing professionals in architecture and construction, *Carbon: A Field Guide for Designers and Builders* is a must-have resource for professionals who are dedicated to creating sustainable projects.

SEPTEMBER 2022 272 PP
978-1-119-72076-8 CL \$60.00 (Japan)
Building Design

The Architect's Studio Companion

Rules of Thumb for Preliminary Design

7th Edition

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 updated with new 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.

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

Voices of Design Leadership

Insights from Top Collaborative Design Firms

KEN SANDERS

Provides inspiration to architecture and design students and professionals through the insights, stories, and projects of successful design leaders

Voices of Design Leadership seeks to educate, inform, and inspire a new generation of diverse design leaders. The work includes sixteen profiles of design leaders in architecture, interior design, planning, and research, many of whom are leaders at firms that have earned the AIA's national Architecture Firm Award. The stories and projects from their own professional journeys illustrate multiple paths to design leadership success.



Individually, each person stands on their own as an inspiring and influential design leader. Collectively, they express what design leadership can and should look like. Representing a broad diversity of expertise and demographics—including nine women, seven people of color, and five first-generation immigrants—they bring a variety of life experiences and cultural backgrounds to their award-winning work.

Sample topics discussed in the work include:

- The power of diversity
- Finding and developing design talent
- Design philosophy and research investments
- Coaching, mentoring, team collaboration, and community engagement
- Advice for emerging design leaders

Students of architecture, engineering, construction, and real estate will find value and inspiration from *Voices of Design Leadership* and gain insight into the thought processes of established leaders in their fields. The work also appeals to young and mid-career professionals, clients, and educators exploring the next steps of their own career journeys.

SEPTEMBER 2022 256PP
978-1-119-84732-8 CL \$49.95 (Japan)
Professional Practice

ビジネス

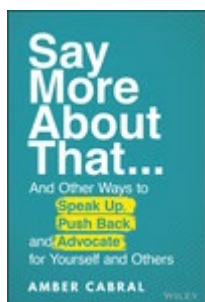
Say More About That

...And Other Ways to Speak Up, Push Back, and Advocate for Yourself and Others

AMBER CABRAL

Concrete strategies to call out wrongdoing at home, at work, at school, and elsewhere

In *Say More About That*, veteran inclusion strategist, coach, writer, and speaker Amber Cabral delivers an incisive and practical guide to assertively addressing inequitable treatment you see at home, work, school, and other settings. The book offers a complete communications toolkit for equity advocacy you can deploy on your own behalf and on behalf of others.



You'll get the tactics, context, and tools that make being brave and speaking up a lot easier. You'll also find:

- A thorough discussion of the fundamentals of inclusion and equity, including concepts of advocacy and allyship, privilege, and identity
- An examination of the social landscape that makes speaking up so daunting
- Explorations of the most effective language and tactics you can use when you make a stand for yourself or others

The perfect resource for underrepresented professionals, allies, advocates, and people seeking to make a positive difference in the world, *Say More About That* is the assertiveness manual you need if you've been meaning to speak up but are worried about being drowned out.

SEPTEMBER 2022 240PP
978-1-119-83932-3 CL \$25.00 (Japan)
Business Self-Help

Stop Talking, Start Doing

A Kick in the Pants in Six Parts, 2nd Edition

SHAA WASMUND & RICHARD NEWTON

Have you got an itch to start your own business, go to the North Pole, retrain, lose weight, get promoted, learn to play the ukulele? Or do you just have a nagging sense that there must be more to life? If there is something you really want to do, but secretly fear you'll never do it, then you need this.

This is your kick in the pants!

To make your thing happen, you have to climb into the ring. You have to face your fears and move from talking to doing. In this special 10th year edition of the bestselling *Stop Talking, Start Doing*, Shaa Wasmund will introduce new topics such as:

- How the world changed in 2020 and what that means for the future
- 10 years on, what's still stopping people?
- Healthy mindset and mental health
- Even more exercises included
- Habits - how small daily habits can help people move from procrastination to action.

SEPTEMBER 2022 208PP
978-0-85708-926-7 PB \$13.99 (Japan)
BUSINESS SELF-HELP

Superpower

An Inspiring Story to Overcome Self-Doubt and Unleash Your Authentic Greatness

KATE LEAVELL

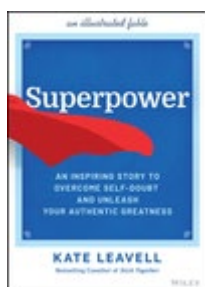
Learn to find your own superpowers with this inspiring journey of self-acceptance

In *Superpower*, bestselling author Kate Leavell delivers a compelling story of self-love, appreciation, and the power of sharing and connecting with those around us through vulnerability and understanding. In the book, a soccer coach tells his players about the adventures of "the new kid" at school who's afraid of being teased and bullied. Through the help of a special teacher, he and his classmates learn to overcome challenges and harness the power of seeking to understand new perspectives and viewpoints. The class experiences the power of connection inside the activities during puzzle week, and along with their new student, finds the confidence to embrace their unique traits and appreciate and celebrate the uniqueness in each other.

In *Superpower*, you'll find:

- Games to help you discover common interests and get to know those around you on a deeper level
- Exercises to learn about what it means to have different perspectives and learn from the stories of others
- Discussion questions for deeper reflection and for group book studies

An eye-opening and thought-provoking journey through difference, self-acceptance, and understanding, *Superpower* shows us how to impact the world for good using our very own, built-in superpowers.



SEPTEMBER 2022 192PP
978-1-119-89043-0 CL \$20.00 (Japan)
Business Self-Help

Unashamedly Superhuman

Harness Your Inner Power and Achieve Your Greatest Professional and Personal Goals

JIM STEELE

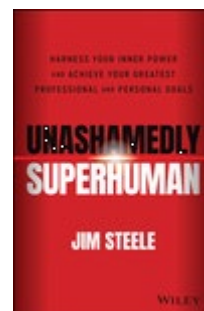
Tap into pools of pure potential you didn't even know you had

In *Unashamedly Superhuman: Harness Your Inner Power and Achieve Your Greatest Professional and Personal Goals*, celebrated speaker, strategist, executive coach, and author Jim Steele delivers an incisive and eye-opening guide to unlocking the hidden wells of potential in each of us. Grounded in the latest neuroscience research and some of the best executive coaching techniques on the market today, the book shows you how to minimize distraction, eliminate unnecessary uncertainty and indecision, and reveal what you're truly capable of.

In the book, you'll discover how to realize your wildest professional and personal goals by:

- Harnessing the power of flow to increase your productivity beyond what you thought possible
- Tap into mindfulness to uncover what your mind is really capable of
- Meaningfully challenge yourself -- without creating intolerable frustration -- by leading yourself and others on adventures

An indispensable resource for executives, managers, and other business leaders, *Unashamedly Superhuman* is the can't-miss guide to peak performance you've been waiting for.



SEPTEMBER 2022 272PP
978-1-119-82851-8 PB \$22.50 (Japan)
Business Self-Help

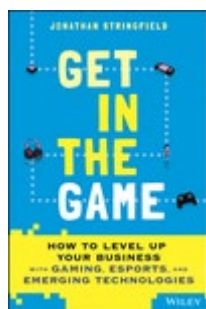
Get in the Game

How to Level Up Your Business with Gaming, Esports, and Emerging Technologies

JONATHAN STRINGFIELD

An essential guide for marketers and execs wishing to integrate their brands with modern games and esports

In *Get in the Game: How to Level Up Your Business with Gaming, Esports, and Emerging Technologies*, decorated gaming and social media research and marketing executive Jonathan Stringfield delivers a roadmap to understanding and navigating marketing and business integrations into the gaming ecosystem: who plays games (and why), how modern games are created and oriented around the world of esports, and where brands can get involved with modern games.



This book explains the breadth and depth of the gaming audience, describing the rapidly changing demographics of modern games and the various motivations gamers have for playing games. It also unpacks the history of gaming and how it has impacted the creative processes and output from the industry. Finally, it offers a practical guide for brands wishing to integrate themselves into new gaming environments, with an emphasis on maximizing success for marketers, developers, content creators, and fans.

Perfect for marketing strategists, brand managers, and Chief Marketing Officers, *Get in the Game* will also earn a place in the libraries of executives seeking to connect with the misunderstood yet largest segment in consumer entertainment.

SEPTEMBER 2022 224PP
978-1-119-85536-1 CL \$28.00 (Japan)
Business Technology

At the Speed of Irrelevance

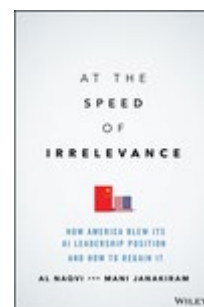
How America Blew Its AI Leadership Position and How to Regain It

AL NAQVI & MANI JANAKIRAM

American Institute of Artificial Intelligence

Get the inside story of American Artificial Intelligence (AI) failure and fall: Learn how to reassume American AI leadership and win against China

On the eve of the Sino-American great power competition General Mattis challenged America to move forward at *the speed of relevance*. To compete effectively America needed to excel in its AI capacity. The call fell on deaf ears - and years later the nation found itself sliding towards a state of irrelevance on the global stage. A series of blunders contributed to what President Biden calls American AI's "failing and falling behind."



This is the story of American AI's fall from grace. Capturing the live moments of American excitement and mastery of AI to the tragedy of ending up behind China, the authors give a behind the scenes account of what transpired. Get an inside view on who dropped the ball at a time when America needed its best leadership. As the mystery unravels, it shows the great misses and deceptions, colossal mistakes, policy failures, and negligence that cost America its leadership position.

This story could become the story of America's own decline and fall. But there is hope. In the past America has shown resilience to bounce back from the agony of defeat to win in the long run. This book gives a path to rebuild American AI and secure such a victory.

Whether you are a business leader or a policy analyst, a supply chain expert or an academic, a congressman or an agency head *At the Speed of Irrelevance: How America Blew Its AI Leadership Position and How to Regain It* will change your thinking about your responsibility to your firms, agencies, and the country. This will be the most timely and patriotic book you will ever read.

SEPTEMBER 2022 256PP
978-1-119-86127-0 CL \$35.00 (Japan)
Strategic Management

Digital Operating Model

The Future of Business

RAJESH SINHA

Build your company's next-generation growth strategy by using emerging technologies to disrupt your field and energize your business

In *Digital Operating Model: The Future of Business*, digital strategist and execution expert Rajesh Sinha delivers a robust and practical operating blueprint for digital transformation.

Applicable to any industry, any size company, this playbook helps executives, professionals, managers, founders, owners, and other business leaders understand the importance and realize the benefits of a digital future for their companies—all without having to spend massive amounts of money in the process.

The author explores effective methods to create multiple digital accelerators, develop cultural alignment that fosters innovation and delivers rapid solutions, and shares insights into the new mantras of our goods-and-services on-demand economy. Readers will also find:

- Step-by-step guidance to implementing a digital platform strategy that leads to exponential business growth
- Methods for designing and applying new businesses processes that create better experiences internally for your teams and externally for your customers and customers' customers, which also leads to exponential business growth
- Real-life examples and case studies of businesses that have achieved successful digital acceleration and grown dramatically in the process

Digital Operating Model shows readers how to meet their professional objectives while realizing profound transformation that offers innovative and durable differentiation both in terms of purpose and profits.



Driving Results

Six Lessons Learned from Transforming An Iconic Company

GARY A. GARFIELD

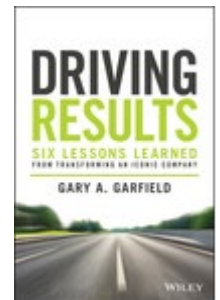
Discover the keys to effective organizational transformation from an author who did it as the CEO of an iconic company

In *Driving Results: Six Lessons Learned from Transforming an Iconic Company*, now-retired Chief Executive Officer Gary Garfield delivers an incisive and eye-opening road map of how to transform any organization, department, or group. Through a series of massive changes, Garfield drove record results while the CEO. By sharing his learnings on driving change in this insightful book, you'll learn how you can use the six essential elements to drive results through change at your organization or with your team.

In the book, the celebrated author presents:

- Startling insights into the symptoms of a dysfunctional organization or group—and how to turn it around
- Comprehensive explanations of each of the six keys to transformation and how to implement them in any company or team
- Strategies for selling change throughout your organization or group to ensure its success
- The hallmarks of successful change leaders
- The importance of culture and how to change it
- Critical people issues that so often arise during transformation efforts and how to deal with those issues

A must-read collection of thought-provoking, practical, and hands-on methods for delivering impactful and quantifiable change in any environment, *Driving Results* is the blueprint for transforming any organization or group into a high-performing and culturally healthy powerhouse.



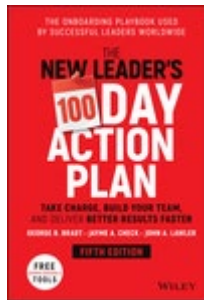
The New Leader's 100-Day Action Plan

Take Charge, Build Your Team, and Deliver Better Results Faster, 5th Edition

GEORGE B. BRADT, STAMFORD, JAYME A. CHECK, SANTA MONICA
& JOHN A. LAWLER, BUCK HILL FALLS

Maximize your remote and in-person leadership impact in your first 100 days

The New Leader's 100-Day Action Plan has sold over 100,000 copies because it's so practical. The author team of accomplished private equity/M&A transition leaders explains in great detail, how to succeed in new leadership roles, build high-performance teams, execute winning strategies, and achieve organizational goals. The heavily revised 5th edition explains how to your due diligence before accepting a new role, and how to lead in remote or hybrid environments and how to leverage diversity, equity, and inclusion to meet team goals, drive growth and enhance any organization.



Readers will also find:

- Roadmaps, tools and tips to understanding, improving, and leading organizational change, including digital initiatives
- New chapters focused on crisis situations, post-M&A integrations, turnarounds, and transformations
- Practical counsel on managing your Board

A critical resource for leaders in any industry, *The New Leader's 100-Day Action Plan* walks you through your first days, weeks, and months in any new leadership role, when stakes are high and time is of the essence.

SEPTEMBER 2022 272PP
978-1-119-88453-8 CL \$32.00 (Japan)
MANAGEMENT / LEADERSHIP

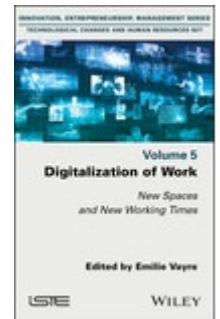
Digitalization of Work

New Spaces and New Working Times

EDITOR EMILIE VAYRE

Digitalization of Work brings together researchers and international experts whose work and practices are based on a variety of disciplines such as work and organizational psychology, social psychology, ergonomics, communication and information sciences, and management sciences.

This book closely examines the challenges associated with recent or emerging ways of working related to the digitalization of work. It acts as a directory of contributions that enrich recent thought and approaches to the deployment and accompaniment of the ways in which work is organized, including practices and environments likely to gain relevance in coming years (remote working and management, coworking for salaried employees, flexible office spaces, working from home and nomadism).



SEPTEMBER 2022 240PP
978-1-78630-789-7 CL \$165.00 (Japan)
Creativity & Innovation Management

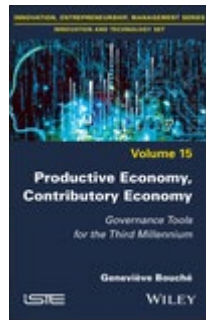
Productive Economy, Contributory Economy

Governance Tools for the Third Millennium

GENEVIEVE BOUCHE

The increasing urgency of environmental issues necessitates the rethinking of our societal model. This book explores this assertion by going back in time and pinpointing the turning points in the evolution of European society that we are currently experiencing.

Productive Economy, Contributory Economy presents an analysis of the factors affecting the evolution of our societal model, emerging from sedentarism, which culminated in the industrial age. To further this evolution, we must allow the common good to prosper: family, knowledge, innovation, democracy and spirituality. This book presents a dual contributory and productive economy to be put into place, as well as the synergy that can be established between these two spaces of human contribution. It also studies the instruments of governance that we will need, such as smart money, as well as the conditions of their success.



SEPTEMBER 2022 304PP
978-1-78630-751-4 CL \$165.00 (Japan)
Creativity & Innovation Management

Ethical Data

ANNIE MACHON

The subject of data ethics has never been more urgent. This is no longer an academic or niche geek issue as it has been since the inception of the internet and the world wide web. Data ethics is an issue that affects all our lives as we have been forced by covid to live increasingly online. Who controls access to the hardware, who runs the software, who can spy on us, hack us, data farm us? What are the threats that we need to mitigate against democratically, societally and personally? How can corporations protect us rather than predate on us, and how can that help their bottom line? In this book I aim to summarise both the overarching concepts and principles about why this is important, and offer practical solutions for companies, policy makers, academia and individuals to push back against these known threats and also try to future proof themselves going forward. This is information we all need to know and apply as technology accelerates exponentially.

SEPTEMBER 2022 256PP
978-1-119-90696-4 CL \$45.00 (Japan)
Business Ethics

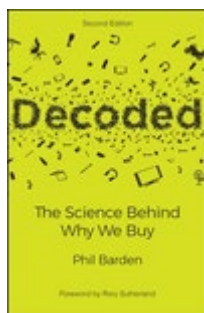
Decoded

The Science Behind Why We Buy, 2nd Edition

PHIL P. BARDEN & FOREWORD BY RORY SUTHERLAND

A groundbreaking exploration of purchasing behaviour and its essential role in smarter marketing practices to benefit your organization.

If you understand why people buy, you are already one step ahead in reaching out to them effectively with your products and services. *Decoded: The Science Behind Why We Buy, 2nd Edition* offers a groundbreaking exploration into the science of purchasing. The book specifically demonstrates why decision science has proven invaluable to the field of marketing by helping to explain purchasing behaviours.



Decoded delivers a practical framework and guidelines for applying science to the marketing practices you use every day. As a marketing professional, you can look to this second edition for behavioural knowledge, timely case studies, and an understanding of methodologies. You'll gain advice on how to employ knowledge about behaviours for more effective brand management, from strategy to implementation to new product development.

You'll also gain useful insight into the latest research on consumer motivations that lead to purchasing decisions. Learn more about what happens in the human brain as buyers make their choices. The revised edition provides new material that marketers can apply to informed, successful practices.

SEPTEMBER 2022 336PP
978-1-119-67308-8 PB \$18.99
MARKETING & SALES

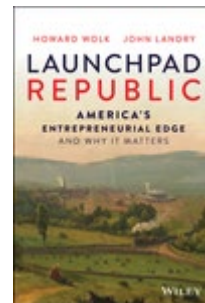
Launchpad Republic

America's Entrepreneurial Edge and Why It Matters

HOWARD WOLK, WESTON, UNITED STATES & JOHN LANDRY,
PROVIDENCE, UNITED STATES

Will America's entrepreneurial spirit continue to define its destiny? What can the rest of the world learn from America's experience?

In *Launchpad Republic: America's Entrepreneurial Edge and Why it Matters to All of Us*, Howard Wolk and John Landry provide an insightful and thought-provoking history of entrepreneurship in the United States, with a focus on the political, legal, and cultural forces that have sustained "creative destruction" and propelled the country forward for more than 200 years. In telling this story, the book highlights the critical features that have set America apart from other countries and identifies the key attributes necessary for it to maintain leadership for years to come.



Entrepreneurship is a rebellious act, and America's democratic system is unique in enabling new companies to challenge established ones. As a result, the country enjoys not just more robust start-up activity, but also a dynamism that forces big companies to improve--or face the consequences. It protects both property rights and the right to compete in ways not enjoyed elsewhere, encouraging investment and innovation. Aside from assessing how American entrepreneurial capitalism unfolded, the authors address current challenges such as the rise of the "Big Tech", concerns about inequality, inclusivity and sustainability, and the evolution toward stakeholder capitalism. They compare the American approach to both Continental Europe's consensus-oriented framework and China's authoritarian model.

A book that covers important topics in an easy to read style, *Launchpad Republic* belongs in the library of every policy wonk, capitalist, entrepreneur, founder, business leader, amateur historian, and technologist with an interest in how America's relentless entrepreneurial spirit has influenced--and will influence--its destiny.

SEPTEMBER 2022 256PP
978-1-119-90005-4 CL \$29.95 (Japan)
Small Business & Entrepreneurship

土木工学

The Soul of Startups

The Untold Stories of How Founders Affect Culture

SOPHIE THEEN

Discover how a founder's personality can impact the culture of a startup

In *The Soul of Startups: The Untold Stories of How Founders Affect Culture*, award-winning HR and diversity and inclusion professional Sophie Theen delivers an insightful and eye-opening discussion of the importance of culture in the vibrant and, sometimes, chaotic world of startup enterprise. In the book, you'll hear from a people management expert who has sat alongside those who launch exciting new ventures.



The author describes company founders who lacked the emotional maturity and intelligence to start an organization on which an entire team would rely for their wellbeing, as well as those who excelled at creating environments that allowed their team members to thrive, personally and professionally. You'll also find:

- Unvarnished truths from people who have lived through the ups and downs of the startup experience
- Celebrations of the people who have worked for--and with--the celebrity CEOs to help them realize their vision
- Illuminating stories of the journeys of startup operators, including the good, the bad, and the ugly

A can't-miss resource for company founders, entrepreneurs, managers, executives, and startup professionals, *The Soul of Startups* also belongs in the libraries of human resources and people management professionals seeking unique insights into how the personalities of startup founders shape the structures, processes, and realities of working in a fast-growing company.

SEPTEMBER 2022 240PP
978-1-119-88559-7 CL \$29.95 (Japan)
Small Business & Entrepreneurship

Computational Fluid Dynamics for Wind Engineering

R. PANNEER SELVAM

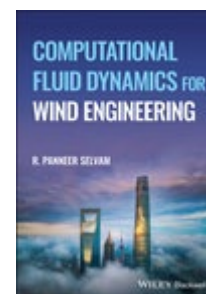
An intuitive and comprehensive exploration of computational fluid dynamics in the study of wind engineering

Computational Fluid Dynamics for Wind Engineering provides readers with a

detailed understanding of the use of computational fluid dynamics (CFD) in understanding wind loading on structures, a problem becoming more pronounced as urban density increases and buildings become larger. The work emphasizes the application of CFD to practical problems in wind loading and helps readers understand important associated factors such as turbulent flow around buildings and bridges.

Written by a highly qualified professor with extensive research experience in related fields, the book includes accessible summaries at the end of each chapter. Every chapter also offers relevant and engaging practice material to help students learn and retain the concepts discussed within, and the use of the OpenFOAM tool--an open-source wind engineering application--is explored as well.

Providing comprehensive coverage of how CFD can explain wind load on structures and helpful examples of practical applications, *Computational Fluid Dynamics for Wind Engineering* serves as an invaluable resource for senior undergraduate students, graduate students, and researchers and practitioners of civil and structural engineering.



SEPTEMBER 2022 272PP
978-1-119-84505-8 CL \$135.00 (Japan)
Structures

Designing Intelligent Construction Projects

MICHAEL FRAHM & CAROLA ROLL

Written in a simple, accessible style, the book explains the basics of management cybernetics, lean construction and construction oriented digital tools, and how these disciplines combine to achieve a successful transformation of construction projects. The fundamental principles of management cybernetics and lean management are discussed initially, showing how these concepts can be adapted to the management of construction projects. The connections between management cybernetics and digitisation are fully explored and the authors describe in an accessible but rigorous way the impacts that digitisation could have on the construction industry and construction projects. Fully supported by case study material, the authors show how a combination of change management methodologies, game theory and collaborative contractual design can deliver construction organisations that are lean, viable and digitally oriented, fit for the future construction market.



SEPTEMBER 2022 272PP
978-1-119-69082-5 PB \$70.00 (Japan)
Construction Management

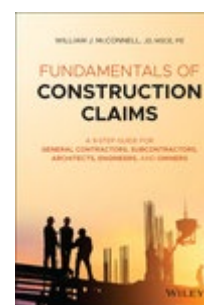
Fundamentals of Construction Claims

A 10-Step Guide for General Contractors, Subcontractors, Architects and Engineers

WILLIAM J. MCCONNELL

Demystify complicated construction claims with this indispensable guide

Given how common complex claims have become in the modern built environment, *Fundamentals of Construction Claims: A 10-Step Guide for General Contractors, Subcontractors, Architects and Engineers* is an absolutely critical addition to the library of any construction professional.



Written by William J. McConnell, PE, JD, MSCE, CDT, a celebrated, lawyer, author, engineer, and expert witness, *Fundamentals of Construction Claims* sets out clear and concrete strategies for developing a construction claim from beginning to end. The author's straightforward 10-Step method helps readers avoid costly dispute resolution fees by:

- Explaining entitlement requirements for various types of claims, including differing site conditions, added scope, and weather delays
- Offering procedures for calculating delay impacts through forensic scheduling analysis
- Defining, in detail, four simple ways to prove damages

Throughout, relevant case studies are used to illuminate the principles found within and bring life to the concepts the author introduces.

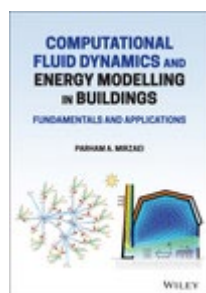
SEPTEMBER 2022 256PP
978-1-119-67990-5 CL \$120.00 (Japan)
Construction Management

Computational Fluid Dynamics and Energy Modelling in Buildings

Fundamentals and Applications

PARHAM A. MIRZAEI

This book will explain how heat and mass transport in buildings can be modelled using commercial and educational tools, with a focus on helping those who want to use those tools to understand and predict the performance of buildings, but who may not be experts in CFD. The fundamentals of modelling will be fully covered and then extended to show how those models can be used to simulate the behaviour of buildings. The aim is to ensure the reader understands the essentials of modelling and can use the existing tools effectively and knowledgeably. Modelling and simulation involve many assumptions and simplifications, so the book covers these topics fully, ensuring the reader understands and can justify those assumptions and simplifications. In addition, it addresses uncertainties in the selection of possible options to ensure the reader can get the most from existing heat and mass transport modelling tools.



SEPTEMBER 2022 642PP
978-1-119-74351-4 PB \$80.00 (Japan)
Building Maintenance & Services

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

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

化学

Two - Dimensional - Materials - Based Membranes

Preparation, Characterization, and Applications

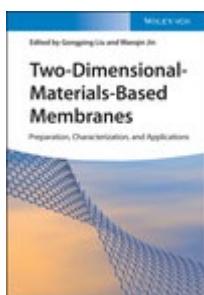
EDITOR GONGPING LIU & EDITOR WANQIN JIN

An authoritative and up to date discussion of two-dimensional materials and membranes

In *Two-Dimensional-Materials-Based Membranes: Preparation, Characterization, and Applications*, a team of distinguished chemical engineers delivers a comprehensive exploration of the latest advances in design principles, synthesis approaches, and applications of two-dimensional materials--like graphene, metal-organic frameworks (MOFs), 2D layered double hydroxides, and MXene--and highlights the significance and development of these membranes. In the book, the authors discuss the use of membranes to achieve high-efficiency separation and to address the challenges posed in the field.

The book also discusses potential challenges and benefits in the future development of advanced 2D nanostructures, as well as their impending implementation in applications in the fields of energy, sustainability, catalysis, electronics, and biotechnology.

Perfect for membrane scientists, inorganic chemists, and materials scientists, *Two-Dimensional-Materials-Based Membranes* will also earn a place in the libraries of chemical and process engineers in industrial environments.



SEPTEMBER 2022 400PP
978-3-527-34848-0 CL \$185.00 (Japan)
Separations

Chemistry

The Molecular Nature of Matter

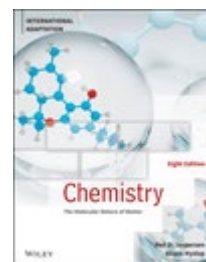
8th Edition, International Adaptation

NEIL D. JESPERSEN, JAMES E. BRADY & ALISON HYSLOP

St. John's University; St. John's University, New York; St. John's University

Chemistry: The Molecular Nature of Matter, International Adaptation

continues to emphasize the importance of applying concepts to problem-solving to achieve high-level learning and increase retention of chemistry knowledge. The inclusion of more, and updated, real-world examples provide students with a significant relationship of their experiences with the science of chemistry. Additionally, end-of-chapter review questions integrating scientific practices, cross-cutting concepts, and chemistry core ideas to relate the ideas presented in each chapter to the wider fields of science have been updated to align them with career concepts relevant to the environment, engineering, biological, pharmaceutical, and medical sciences. Problems have been arranged in a confidence-building order.



SEPTEMBER 2022 1232PP
978-1-119-82064-2 PB \$66.99 (Japan)
GENERAL CHEMISTRY

Chemometrics and Numerical Methods in LIBS

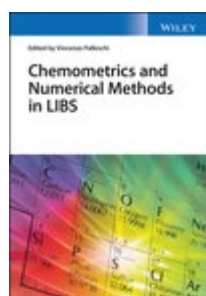
EDITOR VINCENZO PALLESCHI

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.



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

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems

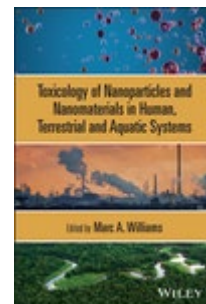
MARC A. WILLIAMS

An indispensable compendium detailing the toxicology of nanoparticles with a focus on mechanisms, emerging issues, and new approaches

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems provides authoritative information on the toxicology of ultrafine and nanoparticulate matter that contaminate terrestrial or aquatic environments and present unique challenges in applied public health and toxicological research. Detailed chapters by a panel of world-renowned experts examine the complementary and dynamic interdependence of aquatic, terrestrial, and human systems and the toxicological impacts on exposure to engineered and manufactured nanoparticles and nanomaterials.

Organized into four sections, the book opens with a thorough overview of the field, including known challenges and the necessity for current research activity. The second section describes terrestrial and aquatic systems and the ecotoxicological impact of nanomaterials, followed by critical analysis of the many human health effects of nanomaterials. The book concludes with an in-depth discussion of current gaps in knowledge, future directions, new approach methodologies, alternatives to animal models, and the emerging environmental threat from nanoplastics.

Toxicology of Nanoparticles and Nanomaterials in Human, Terrestrial and Aquatic Systems is essential reading for toxicologists, applied biologists, ecotoxicologists, research scientists, medical professionals, regulators, and advanced students in fields such as public health, environmental ecotoxicology and medicine, immunotoxicology, neurotoxicology, cardiovascular and systems biology, hazard identification, and risk assessment.



SEPTEMBER 2022 496PP
978-1-119-31633-6 CL \$225.00 (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

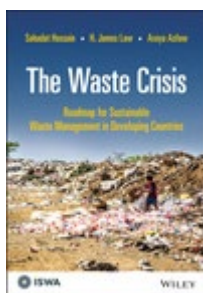
In A Roadmap for Sustainable Waste Management, an accomplished team of sustainability researchers deliver a concise insight of modern waste management practices that acts as a handbook for waste management professionals. Along with flow charts and example problems, the authors offer readers the information 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

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



Sustainable Water Treatment

Advances and Interventions

ANIRBAN ROY, ADITI MULLICK & SIDDHARTHA MOULIK

This outstanding new volume is a compendium of reference material which will cover most of the relevant and "state-of-art" approaches in the field of water treatment, focusing on technological advances for water treatment in four categories: advanced oxidation technologies, nanoparticles for water treatment, membrane separations, and other emerging technologies or processes. Apart from this perspective, fundamental discussions on a wide variety of pollutants have also been included, such as acidic wastewater treatment, metallurgical wastewater, textile wastewater as well as groundwater. The editors have not only covered a wide range of water treatment techniques, but also focuses on their applications, offering a holistic perspective on water treatment in general.

Covering all of the latest advances, innovations, and developments in practical applications for sustainable water treatment, this volume represents the most comprehensive, up-to-date coverage of the issues of the day and state of the art. Whether for the veteran engineer or scientist or a student, this volume is a must-have for any library.

SEPTEMBER 2022 688PP
978-1-119-47998-7 CL \$275.00 (Japan)
Water Chemistry

Sustainable Plastics

Environmental Assessments of Biobased, Biodegradable, and Recycled Plastics, 2nd Edition

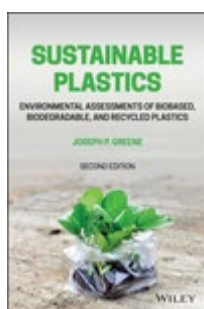
JOSEPH P. GREENE

Enables Readers to Understand the What, Why, and How Behind Using Sustainable Plastics in Manufacturing Operations

The impact of 50 years of unbridled plastics production, use, and disposal is now becoming well known and documented. Plastics made from non-renewable petroleum and natural gas resources threaten the environment, human health, species maintenance, and the very life of the ocean. This book helps readers understand the ability of plastics to be sustainable and goes over the plastic products which have a lower carbon footprint, lower waste, and lower pollution.

The well-qualified author's unique perspective puts a special focus on comprehensive coverage of environmental impacts of plastics including Life Cycle Assessments (LCA) and sustainability strategies related to biobased plastics (e.g., corn), recycled plastics, and petroleum-based plastics.

The book serves as an invaluable resource for plastics engineers, materials engineers, and all professionals in related disciplines looking to understand and apply the usage of sustainable plastics in many different types of manufacturing operations.



SEPTEMBER 2022 UnknownPP
978-1-119-88206-0 CL \$185.00 (Japan)
INDUSTRIAL CHEMISTRY

Lignocellulose Bioconversion Through White Biotechnology

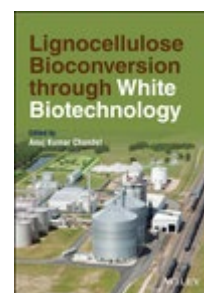
EDITOR ANUJ KUMAR CHANDEL

Comprehensive resource summarizing the recent technological advancements in white biotechnology and biomass conversion into fuels, chemicals, food, and more

Lignocellulose Bioconversion Through White Biotechnology presents

cutting-edge information on lignocellulose biomass conversion, detailing how white biotechnology can develop sustainable biomass pretreatment methods, effective plant cell wall degrading enzymes to yield high quality cellulosic sugars, and the eventual conversion of these sugars into fuels, chemicals, and other materials. To provide comprehensive coverage of the subject, the work offers in-depth critical analysis into both techno-economic and life cycle analysis of lignocellulose-based products.

Each of the 16 chapters, written by a well-qualified and established researchers, academics, and engineers, presents key information on a specific facet of lignocellulose-based products. Students, academics, researchers, bio-business analysts, and policy makers working on sustainable fuels, chemicals, materials, and renewable fuels can use *Lignocellulose Bioconversion Through White Biotechnology* to gain invaluable expert insight into the subject, its current state of the art, and potential exciting future avenues to explore.



SEPTEMBER 2022 416PP
978-1-119-73595-3 CL \$200.00 (Japan)
Biotechnology (Chemistry)

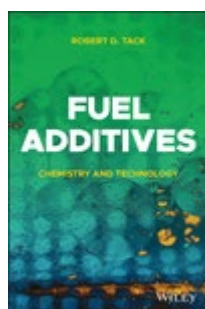
Fuel Additives

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.

SEPTEMBER 2022 368PP
978-1-119-70741-7 CL \$165.00 (Japan)
Petrochemistry / Fuel

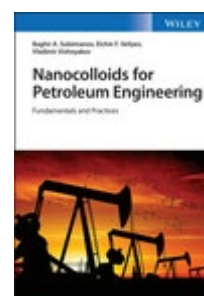
Nanocolloids for Petroleum Engineering

Fundamentals and Practices

BAGHIR SULEIMANOV, ELCHIN VELIYEV & VLADIMIR VISHNYAKOV

Enables readers to understand nanocolloids in upstream operations in the oil industry from an applied and theoretical point of view

Nanocolloids for Petroleum Engineering brings together the background, latest advances, and practical and theoretical information about nanocolloids for petroleum engineering in one comprehensive volume. The text is structured in such a way to allow readers to easily distinguish key points and quickly gain the expertise they need to become more effective in their respective disciplines. For practical purposes and to aid in seamless reader comprehension, experiences of service companies, general guidance, and problem solving exercises are included throughout the text.



The highly qualified authors specifically present the subject as petroleum experts and use a niche industry point of view, which means petroleum, reservoir, and drilling engineers will be able to quickly understand and digest the information contained within.

Nanocolloids for Petroleum Engineering serves as a comprehensive reference work and standalone guide for petroleum engineers who are interested in gaining knowledge surrounding nanocolloids and harnessing that knowledge to aid in solving a wide variety of conventional challenges in the field.

SEPTEMBER 2022 312PP
978-1-119-88959-5 CL \$165.00 (Japan)
Petrochemistry / Fuel

System Safety for the 21st Century

2nd Edition

RICHARD A. STEPHANS

ARES Corporation, USA

Explore an authoritative and complete exploration of basic and advanced concepts in system safety engineering

The Second Edition of *System Safety for the 21st Century* delivers an authoritative primer on the identification, evaluation, analysis, and control of hazards to people, components, sub-systems, systems, processes, and facilities. The book offers readers a complete discussion on techniques within system safety, the discipline on process safety, as well as a comprehensive treatment on professionalism within the safety industry.



This new edition applies the concepts of system safety to medical disciplines and medical devices, offering readers the potential to have a significantly positive impact on the standing of American medical safety in the world. The latest edition also includes:

- A brand-new chapter on the risk management with current international and U.S. government standards
- New material on process safety including EPA and OSHA implementation and external reviews
- An Instructor Solutions Manual that includes course content and 30 chapters of review questions and answers
- Further clarifications on difficult concepts from the First Edition with updated appendices and references

Relevant to academia, industry, and government, *System Safety for the 21st Century* is an essential resource for anyone studying or implementing and managing proactive hazard identification and risk control techniques and procedures.

SEPTEMBER 2022 416PP
978-1-119-63475-1 CL \$149.95 (Japan)
CHEMICAL AND ENVIRONMENTAL HEALTH AND SAFETY

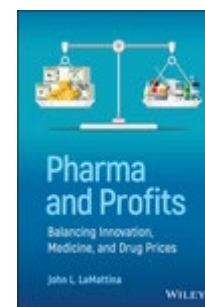
Pharma and Profits

Balancing Innovation, Medicine, and Drug Prices

JOHN L. LAMATTINA

High-level commentary on various facets of the pharmaceutical industry from a key leader in the field

This book clearly explains the value that the pharmaceutical industry offers to society which is often underreported against the more negative topic of high drug prices. It also offers an overview for drug discovery and development professionals, highlighting the challenges that such drug hunters should be aware of when developing new drugs. Case studies to illustrate topics like hepatitis C, mRNA vaccines, insulin, and price controls are included to aid in seamless reader comprehension.



Written by John LaMattina, former president of Pfizer Global Research and Development and well-known speaker and writer for the pharma industry, sample topics covered and questions explored within the work include:

- Fiscal consequences of curing hepatitis C
- mRNA vaccines and the race for a cure
- Why the government does not deserve a piece of Biopharma's profits
- Paying for drugs whose ultimate value is unknown
- The impact of reduced revenues on R&D

This book is a must-read for biopharmaceutical professionals and executives who wish to gain high-level insight into key challenges that must be first understood, then overcome, within the pharmaceutical industry.

SEPTEMBER 2022 112PP
978-1-119-88133-9 PB \$29.95 (Japan)
Pharmaceutical & Medicinal Chemistry

Drug Development for Malaria

Novel Approaches for Prevention and Treatment

EDITOR PRAVIN KENDREKAR

Provides readers with first-hand advice for the development of novel antimalarial drugs

This book provides a systematic overview of antimalarial drug development and presents a wealth of data and insight from drug developers across three continents, including many from countries where the disease is endemic. Throughout, the contributions have been written with the drug developer in mind, highlighting challenges but also opportunities for the successful development of effective antimalarial drugs. Case studies and method-oriented chapters provide an abundance of practical first-hand advice on how to successfully develop an antimalarial drug.

To aid in reader comprehension, the editor has broken the work down into three core sections. Key topics covered in the book include:

- The performance of current drugs and therapies, the influence of formulation and targeted delivery, and strategies to overcome drug resistance.
- Technologies and approaches for development of novel drugs, such as assays, computer-aided drug design, known and potential drug targets, and natural sources for novel antimalarial compounds
- Vaccination as an alternative to drug therapy

For chemists and other professionals working in industries related to medicine and pharmaceuticals, this book provides a completely comprehensive overview of the current state of novel antimalarial drugs and how they can be developed in an efficient and cost-effective manner.



SEPTEMBER 2022 384PP
978-3-527-34860-2 CL \$170.00 (Japan)
Drug Discovery & Development

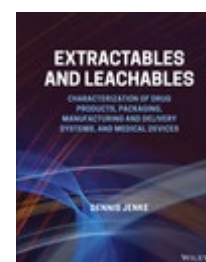
Extractables and Leachables

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

DENNIS JENKE

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.



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

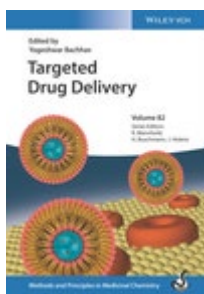
Targeted Drug Delivery

EDITOR YOGESHWAR BACHHAV, SERIES EDITOR RAIMUND MANNHOLD, SERIES EDITOR HELMUT BUSCHMANN & SERIES EDITOR J&OUM;RG HOLENZ

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

Novel approaches in targeted drug delivery for both small molecule and biopharmaceutical drugs

Targeted Drug Delivery explores a new frontier in drug research that has become a focus for developing novel medications. The work discusses a wide range of approaches for targeting small molecules as well as peptide and macromolecular drugs, from prodrugs to drug conjugates to drug carriers and devices, helping readers to stay up to date on the latest developments in the field.



The following key topics are addressed:

- Antibody conjugates, prodrugs, and suicide therapeutics
- Protac technology for selectively degrading target proteins
- Delivery of nucleic acid drugs
- Novel drug carriers, such as liposomes, vesicles, and nanoparticles
- Unmet medical needs for which there is a large market potential, such as viral infections and cancer

For chemists, pharmacologists, and professionals in the wider pharmaceutical industry, *Targeted Drug Delivery* is a comprehensive guide on how to solve the greatest challenge in treating many diseases: delivering a pharmaceutically active substance to the target tissue in the body.

SERIES: METHODS & PRINCIPLES IN MEDICINAL CHEMISTRY

SEPTEMBER 2022 448PP
978-3-527-34781-0 CL \$175.00 (Japan)
Drug Formulation & Delivery

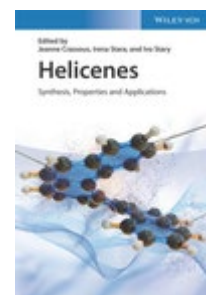
Helicenes

Synthesis, Properties, and Applications

EDITOR JEANNE CRASSOUS, EDITOR IRENA STARA & EDITOR IVO STARY

A thorough introduction to everything there is to know about this fascinating compound class

The intriguing nature of this highly interesting compound class has inspired much research over the last decade, and much of what has been produced is highly interdisciplinary, with applications found in catalysis, material science, and spectroscopy. Indeed, the field has reached maturity such that elegant synthetic methods are now available and novel applications in arenas such as enantioselective catalysis and optoelectronics are appearing.



Helicenes provides not only an introduction to the synthesis of the fascinating compound class of helicenes, but also describes the properties and, most importantly, their applications. The book thoroughly explains several synthetic routes from classical to state-of-the-art methods. In addition, the different classes of helicene-based molecules--organic, organometallic, oligomeric, and multidimensional--are covered.

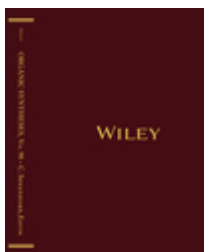
Helicenes is an essential reference for organic chemists, materials scientists, spectroscopists, polymer chemists, inorganic chemists, and catalytic chemists, as well as students in these fields and libraries supplying them.

SEPTEMBER 2022 544PP
978-3-527-34810-7 CL \$195.00 (Japan)
Organic Chemistry

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.



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

Asymmetric Synthesis of Natural Products

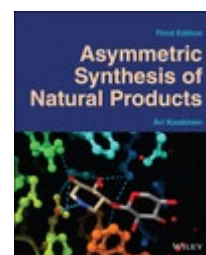
3rd Edition

ARI M. P. KOSKINEN

University of Oulu, Finland

Fully updated textbook learning resource covering the concept of using natural product chemistry for strategies in asymmetric synthesis

The third edition of *Asymmetric Synthesis of Natural Products* introduces students to the rapidly growing field of natural products in organic chemistry, discussing the practical, mainly pharmacological, importance of selected compounds and emphasizing the target-oriented approach of organic synthesis which is key in industrial strategies. To aid in reader comprehension, the text includes key references and an Index of Compounds.



The textbook is based on two lecture courses (Asymmetric Synthesis and Asymmetric Synthesis of Natural products), which the author has delivered more than 50 times over the past 20 years in Finland, the UK, Italy, and Greece. This third edition is fully updated from the earlier versions (published by Wiley in 1993 and 2012). The importance of natural products as truly renewable raw materials in sustainable chemistry and circular economy is illustrated through applications of e.g. organocatalysis, organometallic catalysis, and biocatalysis. The contents consist of traditional text supplemented with illustrations (such as chemical drawings and structural formulae). Three dimensional aspects are also discussed with the use of 3D renderings of structures for both reaction mechanisms (molecular modeling) and crystallographic data.

Asymmetric Synthesis of Natural Products is a comprehensive, authoritative, and up-to-date learning resource on the subject for advanced level undergraduate or early-stage graduate students. It is also useful for specialists already working in synthesis who wish to learn about asymmetric synthesis.

SEPTEMBER 2022 384PP
978-1-119-70702-8 PB \$89.95 (Japan)
NATURAL PRODUCTS

コンピューティング

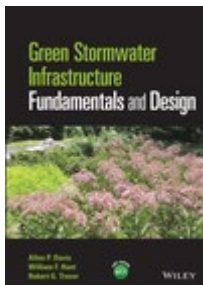
Green Stormwater Infrastructure Fundamentals and Design

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

Discover novel stormwater control measures to make for a greener tomorrow!

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.



SEPTEMBER 2022 512PP
978-1-118-59019-5 CL \$160.00 (Japan)
Sustainable Chemistry & Green Chemistry

CompTIA Linux+ Certification Kit

Exam XK0-005, 2nd Edition

RICHARD BLUM, INDIANAPOLIS, UNITED STATES, CHRISTINE BRESNAHAN, INDIANAPOLIS & STEVE SUEHRING

STUDY, PRACTICE, REVIEW!

This complete Certification Kit includes:

CompTIA Linux+ Study Guide: Exam XK0-005, Fifth Edition

Building on the popular Sybex Study Guide approach, this book provides 100% coverage of the NEW Linux+ Exam XK0-005 objectives. The book contains clear and concise information on all Linux administration topics. It includes practical examples and insights drawn from real-world experience. It also provides authoritative coverage of key exam topics, including:

- Configuring, managing, operating, and troubleshooting Linux, on-premises and cloud-based server environments
- Using security best practices
- Scripting, containerization, and automation



CompTIA Linux+ Practice Tests: Exam XK0-005, Third Edition

CompTIA Linux+ Practice Tests: Exam XK0-005, Third Edition, helps you gain the confidence you need for taking the NEW CompTIA Linux+ exam. The hundreds of domain-by-domain practice questions prepare you for test success, focusing on:

- System Management
- Security
- Scripting, Containers, and Automation
- Troubleshooting

You'll also get access to the online test bank, including bonus practice exams, electronic flashcards, and a searchable PDF of key terms.

SEPTEMBER 2022 UnknownPP
978-1-119-88060-8 PB \$90.00 (Japan)
OPERATING SYSTEMS / LINUX & UNIX

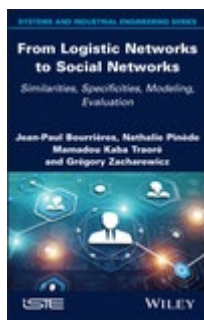
コンピュータサイエンス

From Logistic Networks to Social Networks

Similarities, Specificities, Modeling, Evaluation

JEAN-PAUL BOURRIERES, NATHALIE PINEDE, MAMADOU
KABA TRAORE & GREGORY ZACHAREWICZ

As a result of its widespread implementation in economic and social structures, the network concept appears to be a paradigm of the contemporary world. The need for various services -- transport, energy, consumption of manufacturing goods, provision of care, information and communication, etc. -- draws users into interwoven networks which are meshes of material and immaterial flows. In this context, the user is a consumer of goods and services from industries and administrations, or they themselves are part of the organization (digital social networks).



This book examines the invariants that unify networks in their diversity, as well as the specificities that differentiate them. It provides a reading grid that distinguishes a generic level where these systems find a common interpretation, and a specific level where appropriate analytical methods are used. Three case studies from different fields are presented to illustrate the purpose of the book in detail.

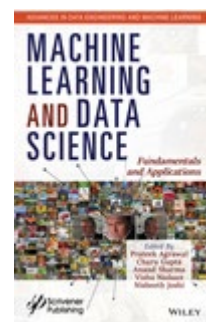
SEPTEMBER 2022 208PP
978-1-78630-657-9 CL \$165.00 (Japan)
Information Technologies

Machine Learning and Data Science

Fundamentals and Applications

EDITOR PRATEEK AGRAWAL, EDITOR CHARU GUPTA, EDITOR
ANAND SHARMA, EDITOR VISHU MADAN & EDITOR NISHEETH
JOSHI

Machine learning (ML) and data science (DS) are very active topics with an extensive scope, both in terms of theory and applications. They have been established as an important emergent scientific field and paradigm driving research evolution in such disciplines as statistics, computing science and intelligence science, and practical transformation in such domains as science, engineering, the public sector, business, social science, and lifestyle. Simultaneously, their applications provide important challenges that can often be addressed only with innovative machine learning and data science algorithms.



The outstanding new volume focuses on the latest developments in machine learning and data science, as well as on the synergy between data science and machine learning. This book explores new developments in statistics, mathematics and computing that are relevant for data science from a machine learning perspective, including foundations, systems, innovative applications and other research contributions related to the overall design of machine learning and models and algorithms that are relevant for data science.

The book encompasses all aspects of research and development in ML and DS, including but not limited to data discovery, computer vision, natural language processing (NLP), intelligent systems, neural networks, AI-based software engineering, bioinformatics and their applications in the areas of engineering, business and social sciences. It covers a broad spectrum of applications in the community, from industry, government, and academia. 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.

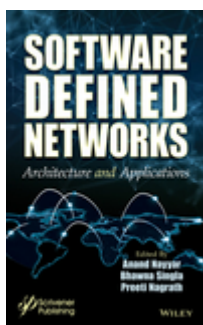
SEPTEMBER 2022 467PP
978-1-119-77561-4 CL \$225.00 (Japan)
Information Technologies

Software Defined Networking

Architecture and Applications

EDITOR ANAND NAYYAR, EDITOR PREETI NAGRATH & EDITOR
BHAWNA SINGLA

Software defined networking (SDN) is an architecture designed to make a network more flexible and easier to manage and has seen wide adoption across data centers, WANs, and access networks. This book provides an in-depth understanding of an SDN-based network as a scalable distributed system running on a commodity hardware.



It comprises 14 Chapters all providing an in-depth comprehensive information to each and every aspect of SDN including intelligent SDNs, high performance SDNs, automated network monitoring using SDNs. The book will also include the improvements in terms of security and efficiency for SDN-based network management, additional SDN protocol models, additional SDN controller model. It will also include the use cases on the following topics:

1. Traffic engineering
2. Mobility and Wireless
3. Security
4. Data center networking

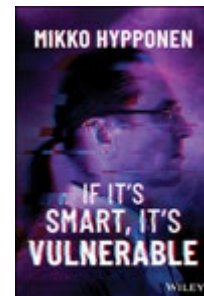
SEPTEMBER 2022 576PP
978-1-119-85730-3 CL \$225.00 (Japan)
Networking

If It's Smart, It's Vulnerable

MIKKO HYPPONEN, FINLAND

Reimagine the future of the internet

All our devices and gadgets--from our refrigerators to our home security systems, vacuum cleaners, and stereos--are going online, just like our computers did. But once we've successfully connected our devices to the internet, do we have any hope of keeping them, and ourselves, safe from the dangers that lurk beneath the digital waters?



In *If It's Smart, It's Vulnerable*, veteran cybersecurity professional Mikko Hypponen delivers an eye-opening exploration of the best--and worst--things the internet has given us. From instant connectivity between any two points on the globe to organized ransomware gangs, the net truly has been a mixed blessing. In this book, the author explores the transformative potential of the future of the internet, as well as those things that threaten its continued existence: government surveillance, censorship, organized crime, and more.

Readers will also find:

- Insightful discussions of how law enforcement and intelligence agencies operate on the internet
- Fulsome treatments of how money became data and the impact of the widespread use of mobile supercomputing technology
- Explorations of how the internet has changed the world, for better and for worse
- Engaging stories from Mikko's 30-year career in infosec

Perfect for anyone seeking a thought-provoking presentation of some of the most pressing issues in cybersecurity and technology, *If It's Smart, It's Vulnerable* will also earn a place in the libraries of anyone interested in the future of the internet.

SEPTEMBER 2022 UnknownPP
978-1-119-89518-3 CL \$28.00 (Japan)
Networking / Security

Mastering Microsoft Teams

Creating a Hub for Successful Teamwork in Office 365

CHRISTINA WHEELER & JOHNNY LOPEZ

Get the most out of Microsoft Teams with this comprehensive and insightful resource

Mastering Microsoft Teams: Creating a Hub for Successful Teamwork in Office 365 shows readers how to communicate intelligently and effectively within Microsoft's powerful Office 365. This book covers all the topics required for a full and comprehensive understanding of collaborating within the Microsoft suite of software, including:

- Architecture
- Implementing Teams
- Teams and Channels
- Chats, Calls and Meetings
- Extending Teams with Custom Apps
- Conferencing
- Security and Compliance
- Best Practices for Organizational Success

Written for IT administrators, managers, supervisors, and team members who participate or want to participate in a Microsoft Teams environment, *Mastering Microsoft Teams* introduces readers to the architecture and structure of the software before showing, in a straightforward and simple way, how to optimize the collaboration experience.

SEPTEMBER 2022 UnknownPP
978-1-119-69788-6 PB \$45.00 (Japan)
Networking / Windows NT & Windows 2000



CompTIA Linux+ Study Guide

Exam XK0-005, 5th Edition

RICHARD BLUM, INDIANAPOLIS, UNITED STATES & CHRISTINE BRESNAHAN, INDIANAPOLIS

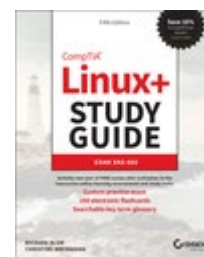
The best-selling, hands-on roadmap to acing the new Linux+ exam

In the newly updated Fifth Edition of *CompTIA Linux+ Study Guide: Exam XK0-005*, IT industry veterans and tech education gurus Richard Blum and Christine Bresnahan deliver a concise and practical blueprint to success on the CompTIA Linux+ exam and in your first role as a Linux network or system administrator.

In the book, you'll find concrete strategies and proven techniques to master Linux system management, security, scripting, containers, automation, and troubleshooting. Every competency tested on the Linux+ exam is discussed here. You'll also get:

- Hands-on Linux advice that ensures you're job-ready on the first day of your new network or sysadmin role
- Test-taking tips and tactics that decrease exam anxiety and get you ready for the challenging Linux+ exam
- Complimentary access to the Sybex learning environment, complete with online test bank, bonus practice exams, electronic flashcards, and a searchable glossary

Perfect for practicing network and system admins seeking an in-demand and valuable credential for working with Linux servers and computers, *CompTIA Linux+ Study Guide: Exam XK0-005, Fifth Edition*, will also earn a place in the libraries of people looking to change careers and start down an exciting new path in tech.



SEPTEMBER 2022 992PP
978-1-119-87894-0 PB \$60.00 (Japan)
NETWORKING / LINUX

Coding All-in-One For Dummies

2nd Edition

CHRIS MINNICK, SACRAMENTO, UNITED STATES

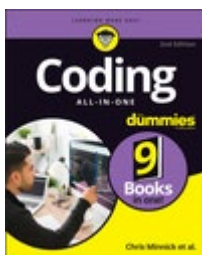
The go-to guide for learning coding from the ground-up

Adding some coding know-how to your skills can help launch a new career or bolster an old one. *Coding All-in-One For Dummies* offers an ideal starting place for learning the languages that make technology go. This edition gets you started with a helpful explanation of how coding works and how it's applied in the real-world before setting you on a path toward writing code for web building, mobile application development, and data analysis. Add coding to your skillset for your existing career, or begin the exciting transition into life as a professional developer--Dummies makes it easy.

- Learn coding basics and how to apply them
- Analyze data and automate routine tasks on the job
- Get the foundation you need to launch a career as a coder
- Add HTML, JavaScript, and Python know-how to your resume

This book serves up insight on the basics of coding, designed to be easy to follow, even if you've never written a line of code in your life. You can do this.

SEPTEMBER 2022 UnknownPP
978-1-119-88956-4 PB \$39.99 (Japan)
PROGRAMMING & SOFTWARE DEVELOPMENT



Advances in Artificial Intelligence and Computational Methods for Transportation Safety

NAGA SWETHA PASUPULETI, NAVEEN CHILAMKURTHI, S. BALAMURUGAN & T. POONGODI

SERIES: ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING FOR INDUSTRIAL TRANSFORMATION

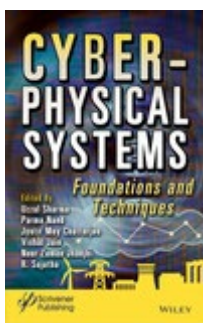
SEPTEMBER 2022 UnknownPP
978-1-119-76170-9 CL \$225.00 (Japan)
Artificial Intelligence

Cyber-Physical Systems

Foundations and Techniques

EDITOR UZZAL SHARMA, EDITOR PARMA NAND, EDITOR JYOTIR MOY CHATTERJEE, EDITOR VISHAL JAIN, EDITOR NOOR ZAMAN JHANJHI & EDITOR R. SUJATHA

Cyber-Physical Systems (CPS) is the interconnection of the virtual or cyber and the physical system. It is realized by combining three well-known technologies namely "Embedded Systems", "Sensors and actuators" and "Network and communication System" or IoT. These technologies are combined to form a system known as CPS. In CPS the physical process and information processing are so tightly connected that it is hard to distinguish the individual contribution of each process from the output. Some of the exciting innovations such as Autonomous cars, Quadcopter, space ships, sophisticated medical machinery fall under CPS. The scope of CPS is tremendous. In CPS, we can see the applications of various emerging technologies such as Artificial Intelligence, Internet of Things (IoT), Machine Learning (ML), Deep Learning (DL), Big Data (BD), Robotics, Quantum Technology, etc. Almost in all the sectors whether it is education, health, human resource development, skill improvement, Startup strategy up-gradation, etc., we see an enhancement in the quality output, which is because of the emergence of CPS into the field. The CPS is considered the upcoming Industry revolution. The book covers the different aspects associated with the CPS, such as algorithm, application areas, improvement of existing technology to name a few.



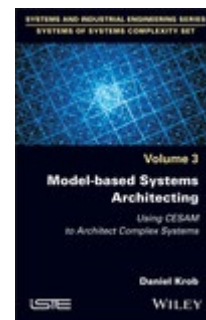
SEPTEMBER 2022 336PP
978-1-119-83619-3 CL \$225.00 (Japan)
Artificial Intelligence

Model-based Systems Architecting

Using CESAM to Architect Complex Systems

DANIEL KROB

Model-based Systems Architecting is a key tool for designing complex industrial systems. It is dedicated to the working systems architects, engineers and modelers, in order to help them master the complex integrated systems that they are dealing with in their day-to-day professional lives.



It presents the CESAMES Systems Architecting Method (CESAM), a systems architecting and modeling framework which has been developed since 2003 in close interaction with many leading industrial companies, providing rigorous and unambiguous semantics for all classical systems architecture concepts. This approach is practically robust and easy-to-use: during the last decade, it was deployed in more than 2,000 real system development projects within the industry, and distributed to around 10,000 engineers around the globe.

SEPTEMBER 2022 272PP
978-1-78630-820-7 CL \$165.00 (Japan)
Computer Architecture

コミュニケーション

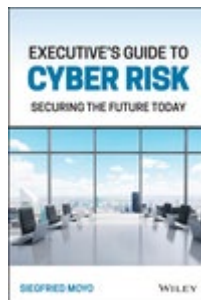
Executive's Guide to Cyber Risk

Securing the Future Today

SIEGFRIED MOYO

A solid, non-technical foundation to help executives and board members understand cyber risk

In the *Executive's Guide to Cyber Risk: Securing the Future Today*, distinguished information security and data privacy expert Siegfried Moyo delivers an incisive and foundational guidance for executives tasked with making sound decisions regarding cyber risk management. The book offers non-technical, business-side executives with the key information they need to understand the nature of cyber risk and its impact on organizations and their growth.



In the book, readers will find:

- Strategies for leading with foresight (as opposed to hindsight) while maintaining the company's vision and objectives
- Focused, jargon-free explanations of cyber risk that liken it to any other business risk
- Comprehensive discussions of the fundamentals of cyber risk that enable executive leadership to make well-informed choices

Perfect for chief executives in any functional area, the *Executive's Guide to Cyber Risk* also belongs in the libraries of board members, directors, managers, and other business leaders seeking to mitigate the risks posed by malicious actors or from the failure of its information systems.

SEPTEMBER 2022 208PP
978-1-119-86311-3 CL \$39.95 (Japan)
Computer Security & Cryptography

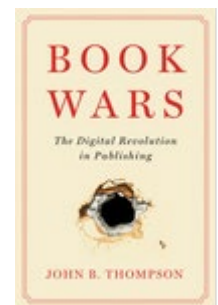
Book Wars

The Digital Revolution in Publishing

JOHN B. THOMPSON

University of Cambridge; Fellow of Jesus College, Cambridge

READERSHIP: Students on relevant courses in sociology, media and cultural studies and publishing studies, and interested general readers.



SEPTEMBER 2022 528PP
978-1-5095-5493-5 PB \$26.95 (Japan)
9781509546787 CL \$35.00 (Japan) Published, Mar 2021
Media Studies

Media and Events in History

ESPEN YTREBERG

READERSHIP: Advanced undergraduates, postgraduates and scholars in Media Studies and History.

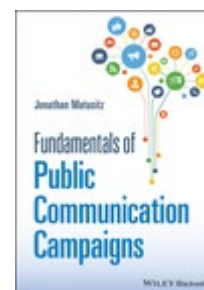


SEPTEMBER 2022 208PP
978-1-5095-4540-7 CL \$69.95 (Japan)
978-1-5095-4541-4 PB \$24.95 (Japan)
Media Studies

Fundamentals of Public Communication Campaigns

JONATHAN MATUSITZ

The most comprehensive and up-to-date textbook on public communication campaigns currently available



Fundamentals of Public Communication Campaigns provides students and practitioners with the theoretical and practical knowledge needed to create and implement effective messaging campaigns for an array of real-world scenarios. Assuming no prior expertise in the subject, this easily accessible textbook clearly describes more than 700 essential concepts of public communication campaigns. Numerous case studies illustrate real-world media campaigns, such as those promoting COVID--19 vaccinations and social distancing, campaigns raising awareness of LGBTQ+ issues, entertainment and Hollywood celebrity campaigns, and social activist initiatives including the #MeToo movement and Black Lives Matter (BLM).

Opening with a thorough introduction to the fundamentals of public communication campaigns, the text examines a wide array of different health communication campaigns, social justice and social change campaigns, and counter-radicalization campaigns. Readers learn about the theoretical foundations of public communication campaigns, the roles of persuasion and provocation, how people's attitudes can be changed through fear appeals, the use of ethnographic research in designing campaigns, the ethical principles of public communication campaigns, the potential negative effects of public messaging, and much more.

Fundamentals of Public Communication Campaigns is the perfect textbook for undergraduate students across the social sciences and the humanities, and a valuable resource for general readers with interest in the subject.

SEPTEMBER 2022 550PP
978-1-119-87807-0 PB \$55.95 (Japan)
Communication Studies

文化研究

A Companion to Experimental Cinema

EDITOR FEDERICO WINDHAUSEN

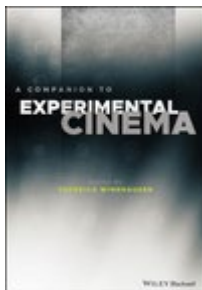
An exploration of what experimental cinema was, is, and might become

A Companion to Experimental Cinema is a collection of original essays organized around both theoretical and historical issues of concern to film scholars, programmers, filmmakers, and viewers. Newly-commissioned essays written by specialists in the field, along with

dialogues conducted with a diverse range of practitioners, focus on core subjects to present an international array of overlapping and contrasting perspectives. This unique text not only provides detailed accounts of particular films and filmmakers, but also discusses new approaches of understanding, characterizing, and shaping experimental cinema.

The *Companion* offers readers an accessible point of entry to the material while seeking to contribute to scholarly debates. Essays explore a wide range of topics within the realm of experimental film, including the shift from traditional biography to broader contexts, the increased attention afforded to local and transnational circuits of exchange, and the deepening of theoretical considerations regarding cultural identity and cinematic aesthetics. Key themes and concepts are inter-woven throughout the text, offering fresh perspectives on experimental cinema's dialogues with other modes and practices of film and video, its interactions with the non-cinematic arts, its responses to changing technological landscapes, and more.

A Companion to Experimental Cinema is a valuable resource for scholars of film studies and art history, curators and programmers, critics and bloggers, filmmakers and artists, and anyone interested in exploring experimental or avant-garde cinema.



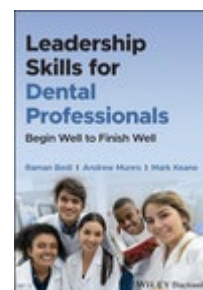
歯学

Leadership Skills for Dental Professionals

Begin Well to Finish Well

RAMAN BEDI, ANDREW MUNRO & MARK KEANE

SEPTEMBER 2022 128PP
978-1-119-87009-8 PB \$70.00 (Japan)
General Dentistry

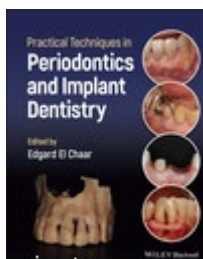


SEPTEMBER 2022 496PP
978-1-119-10790-3 CL \$195.00 (Japan)
FILM STUDIES

Practical Techniques in Periodontics and Implant Dentistry

EDITOR EDGARD EL CHAAR

In *Practical Techniques in Periodontics and Implant Dentistry*, distinguished periodontist Dr. Edgard El Chaar delivers a comprehensive quick reference to key information on periodontics and implant dentistry. The book takes a concise and technique-based approach to the subject, a design that allows clinicians to rapidly find and apply important information in seeing cases. It provides brief chapters with plentiful and instructive images.



This manual is precise, offers quick access to the fundamentals of each of the pertinent topics in the field, and provides practitioners the ability to refer to an authoritative and straightforward resource in their daily clinical practice. It includes radiographs, histological images, clinical photographs, and line drawings.

Readers will also find:

- A thorough introduction to the anatomy and physiology of the periodontium, including an overview of gingival tissue, embryonic development, and soft tissue physiology
- Comprehensive explorations of wound healing, pathology of periodontal disease, and oral medicine and pathology
- In-depth discussions of patient examination and initial therapy, surgical anatomy and local anesthesia, and suturing techniques
- Fulsome presentations of osseous surgery, clinical crown lengthening, and the principles of implant dentistry

Perfect for general practitioners, periodontists, and implant dentists, *Practical Techniques in Periodontics and Implant Dentistry* will also earn a place in the libraries of dental students with an interest in periodontics.

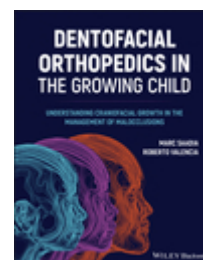
SEPTEMBER 2022 UnknownPP
978-1-119-79355-7 CL \$139.99 (Japan)
Periodontology

Dentofacial Orthopedics in the Growing Child

Understanding Craniofacial Growth in the Management of Malocclusions

MARC SAADIA & ROBERTO VALENCIA

A clinical guide to understanding why malocclusions occur in children and how to diagnose and correct them early to reestablish normal growth using dentofacial orthopedics



Dentofacial Orthopedics in the Growing Child: Understanding Craniofacial Growth and the Management of Malocclusion provides step-by-step guidance on diagnosing and treating malocclusions in young patients.

The book addresses both class I, II and III malocclusions, and more complicated cases such as facial asymmetries and temporomandibular problems that develop in the primary dentition. Concise, highly illustrated chapters describe normal and abnormal craniofacial development, and how and why environmental factors can affect the growth pattern. Early diagnosis and treatment planning, long-term case resolution, complementary methods of diagnosis such as occlusion and cephalometric, and more are discussed.

Children are not young adults so diagnostic methods which are regularly used can often misguide the clinician. *Dentofacial Orthopedics in the Growing Child* is an invaluable reference that guides pediatric dentists, orthodontists, general dentists, and maxillofacial and craniofacial surgeons with treating children.

SEPTEMBER 2022 832PP
978-1-119-72018-8 CL \$199.99 (Japan)
Orthodontics

経済学

The Red Dream

The Chinese Communist Party and the Financial Deterioration of China

CARL E. WALTER

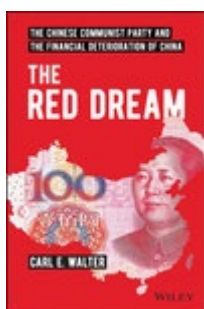
An eye-opening deep dive into the sources and consequences of how China has financed its rise to global economic prominence

In *The Red Dream: The Chinese Communist Party and the Financial Deterioration of China*, veteran finance executive Carl Walter uses his unique experience in Chinese finance to deepen his exploration of how the Chinese Communist Party finances its obsession with GDP growth and social control. Overwhelmingly debt-funded, the party's financial strategy has driven an unsustainable growth in banking and state enterprise assets. Inevitably the party's own financial health is being severely weakened and China's future over the next decades put in doubt. You'll also find:

- A discussion of the financial power of local governments and the Ponzi scheme created by their sale of land use rights
- How China's entry into the World Trade Organization gave rise to today's China
- How the party and China's regulators enable banks to present outstanding performance metrics
- An exploration of the party's financial assets and liabilities since 1979
- Examples of financial crisis management and related costs incurred by China and the US
- A look at Japan's experience as a potential guide for China future development

An essential read for anyone interested in international economics, geopolitics, and finance, *The Red Dream* will also earn a place in the hands of finance professionals, bankers, policymakers, corporate strategists, and investors.

SEPTEMBER 2022 256PP
978-1-119-89615-9 CL \$29.95 (Japan)
International Economics & Trade

**Democracy at Work**

Contract, Status and Post-Industrial Justice

RUTH DUKES & WOLFGANG STREECK

READERSHIP: Students and scholars interested in political economy, the politics, sociology and anthropology of work, industrial relations and labour law, as well as general readers interested in the political economy of capitalism and the thought of Wolfgang Streeck.



SEPTEMBER 2022 180PP
978-1-5095-4898-9 CL \$59.95 (Japan)
978-1-5095-4899-6 PB \$18.99 (Japan)
Political Economics

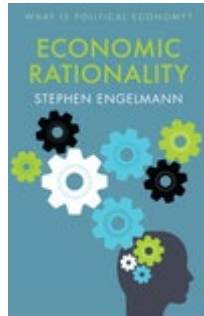
Economic Rationality

STEPHEN G. ENGELMANN

READERSHIP: Students and scholars in political economy, economics, particularly the philosophy of economics, ethics, economics and politics and similar.

SERIES: WHAT IS POLITICAL ECONOMY?

SEPTEMBER 2022 140PP
978-1-5095-3810-2 CL \$59.95 (Japan)
978-1-5095-3811-9 PB \$19.95 (Japan)
Political Economics



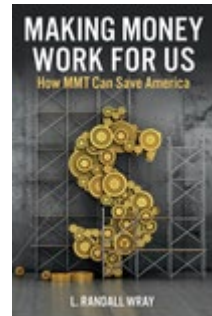
Making Money Work for Us

How MMT Can Save America

RANDALL WRAY

READERSHIP: General readers and students interested in Modern Monetary Theory, monetary economics, and political economy.

SEPTEMBER 2022 224PP
978-1-5095-5425-6 CL \$59.95 (Japan)
978-1-5095-5426-3 PB \$19.95 (Japan)
Political Economics



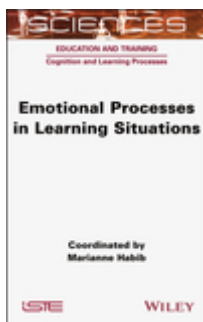
教育

Emotional Processes in Learning Situations

MARIANNE HABIB

Emotional processes are increasingly studied in psychology, whether through their modes of expression or through their effect on cognitive processes. While the theorization of the link between emotional and cognitive processes has varied over the centuries, the impact of emotions on cognitive functions is now undeniable and is supported by experimental arguments. Psychological processes are currently considered necessary for, or influenced by, the emergence of emotions. Learning is at the heart of individual development and involves different cognitive processes; the study of the emotional processes at work in a learning situation must of course not be overlooked.

This book presents the contributions of different disciplines of psychology in understanding the role of emotional processes in learning situations, from a developmental and whole-life perspective.



SEPTEMBER 2022 272PP
978-1-78945-042-2 CL \$165.00 (Japan)
General & Introductory Education

From Reopen to Reinvent

(Re)Creating School for Every Child

MICHAEL B. HORN

A practical blueprint to rebuilding an education system that is no longer working for its students

In *From Reopen to Reinvent*, distinguished education strategist Michael B. Horn delivers a provocative and eye-opening call to action for the overthrow of an education system that is not working well for any of its students. Grounded in what educators should build in its place to address the challenges that stem from widespread unmet learning needs, the book walks readers through the design of a better path forward.



Using time-tested leadership and innovation frameworks like Jobs to Be Done, "Begin with the End," tools of cooperation, threat-rigidity, and discovery-driven planning, *From Reopen to Reinvent* offers a prescriptive and holistic approach to the purpose of schooling, the importance of focusing on mastery for each student, and the ideal use of technology. It also provides readers with:

- A set of processes and ideals that schools should implement to deal with the challenges they presently face
- A way to transform threats into opportunities using threat-rigidity research
- A discussion of how the COVID-19 pandemic revealed that schools are not as flexible and equitable as we need them to be

Perfect for K-12 educators and parents and school board members involved in the school community, *From Reopen to Reinvent* is also an essential resource for professionals working in education-related non-profits and state education agencies.

SEPTEMBER 2022 352PP
978-1-119-86302-1 CL \$32.00 (Japan)
Education & Public Policy

Culture to the Max!

Culturally Responsive Teaching and Practice

DAVID MCDONALD, DANIELLE ROSS, ANDRE ROSS &
SHONTORIA WALKER

**Transform your classroom and school
and create opportunities for students
from all cultural backgrounds**

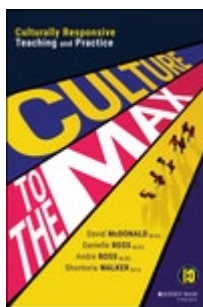
Culture to the Max!: Culturally Responsive Teaching and Practice presents readers with a powerful new set of Culturally Responsive Teaching standards that can be used by teachers and administrators to counter institutionalized racism and white supremacy. The book offers an in-depth look into the practice and implementation of Culturally Responsive Teaching that can inform curriculum development, teacher evaluation, and classroom and culture evaluation.

In this book, readers will find:

- The criteria necessary to apply consistent reliability and efficacy guidelines to culturally responsive practices
- A seven-pillar Culturally Responsive Teaching framework that includes essential skills development, experiential learning, leadership development, identity development, restorative justice, social and emotional learning, and sociopolitical consciousness
- Expert opinions, practice tips, and personal anecdotes that address the challenges and triumphs of the implementation of culturally responsive classroom behaviors

Perfect for K-12 educators and administrators, *Culture to the Max!* also belongs in the libraries of teachers-in-training and higher education professionals who seek to acknowledge, respond to, and celebrate the right of all students to enjoy full and equitable access to education.

SEPTEMBER 2022 240PP
978-1-119-83241-6 PB \$30.00 (Japan)
Teacher Education (K-12)



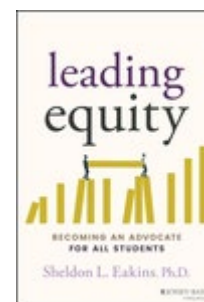
Leading Equity

Becoming an Advocate for All Students

SHELDON L. EAKINS

**Transform your school and your
classroom with these best practices
in equity**

That the typical modern classroom lacks equity will come as no surprise to many educators. But few resources explain how to remedy that situation in the here and now.



Leading Equity delivers an eye-opening and actionable discussion of how to transform a classroom or school into a more equitable place. Through explorations of ten concrete steps that you can take right now, Dr. Sheldon L. Eakins offers you the skills, resources, and concepts you'll need to address common equity deficiencies in education. You'll learn about:

- Things you can do today to advance the cause of equity in your classroom, from reconsidering your language choices to getting to know yourself and your students
- Using social justice as the basis for your advocacy for equity
- How to promote a decolonial atmosphere and model vulnerability and humility for your students and colleagues

Ideal for educators and educational leaders at all stages of their careers, *Leading Equity* will help you improve your ability to offer an equitable environment to all of your students.

SEPTEMBER 2022 256PP
978-1-119-84097-8 PB \$27.00 (Japan)
Teacher Education (K-12)

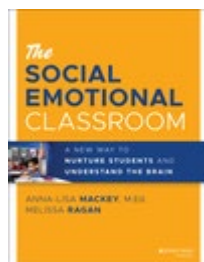
The Social Emotional Classroom

A New Way to Nurture Students and Understand the Brain

ANNA-LISA MACKEY & MELISSA RAGAN

Learn to implement powerful new learning techniques in your classroom experience

In *The Social Emotional Classroom*, celebrated educators and authors Anna-Lisa Mackey and Melissa Ragan deliver an insightful, rigorous, and accessible treatment of social emotional learning in education. Using research from the Theory of Constructed Emotion, the authors highlight the relationship between the new view of neurobiology and Social Emotional Learning.



The book connects five key competencies, including self-awareness, social awareness, self-management, responsible decision-making, and relationship skills, to this new understanding of the brain. You'll also learn from:

- Teacher stories included in each chapter
- The inclusion of over two decades worth of experience and research in the field of social and emotional learning
- Instructions and guides for educators to embed social and emotional learning into their everyday practices

Perfect for K-12 educators, principals, superintendents, and other education leaders, *The Social Emotional Classroom* will also earn a place in the libraries of parents and caregivers who are responsible for young people's day-to-day learning.

SEPTEMBER 2022 224PP
978-1-119-81432-0 PB \$32.00 (Japan)
Teacher Education (K-12)

Becoming a Student-Ready College

A New Culture of Leadership for Student Success

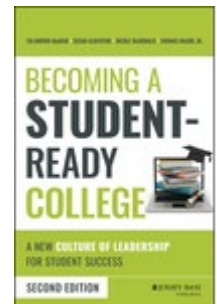
2nd Edition

TIA BROWN MCNAIR, SUSAN ALBERTINE, MICHELLE ASHA COOPER, NICOLE MCDONALD & THOMAS MAJOR, JR.

AAC&U; Institute for Higher Education Policy; Lumina Foundation; Lumina Foundation

Reimagining the Culture of Leadership for Student Success

A revision to the practical and popular guide, this book asks the crucial question within today's environment, "What's a student-ready college?" Higher education leaders are responsible for preparing their institutions to serve the students they admit in the best way possible. By asking ourselves how we can transform our institutions into student-ready colleges to create a new culture of leadership that is responsive to current challenges and focuses on understanding and utilizing student assets and social capital to achieve shared goals for student success. *Becoming a Student-Ready College* shows you how.



Conversations in higher education tend to focus on defining college readiness for students. Too often, we forget to ask the question from the other side, and we miss important opportunities to develop institutions in ways that can help students thrive. Higher education leaders and educators can better serve today's college students through responsive and redesigned practices and policies. This updated edition features revisions and new material that speak to the social realities of today's incoming students and cover the latest strategies and techniques for connecting with learners to foster equity and success.

Becoming a Student-Ready College explores leaders' shared responsibilities in advancing student success and provides practical recommendations for educators at all levels.

SEPTEMBER 2022 224PP
978-1-119-82419-0 CL \$42.00 (Japan)
LEADERSHIP, ADMINISTRATION & POLICY (HIGHER EDUCATION)

If Science is to Save Us

MARTIN REES

READERSHIP: general readers interested in the role of science in society and the role of science and technology in safeguarding our future against existential risks



SEPTEMBER 2022 200PP
978-1-5095-5420-1 CL \$25.00 (Japan)
Science

Psychology

Why It Matters

RICHARD WISEMAN

READERSHIP: Undergraduates starting a psychology course, A Level students thinking about studying psychology at university/college and anyone who wants to know what psychology really is.



SERIES: WHY IT MATTERS

SEPTEMBER 2022 176PP
978-1-5095-5042-5 CL \$45.00 (Japan)
978-1-5095-5043-2 PB \$12.95 (Japan)
Psychology

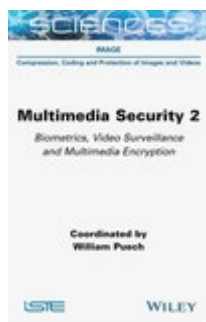
電気電子工学

Multimedia Security 2

Biometrics, Video Surveillance and Multimedia Encryption

WILLIAM PUECH

Today, more than 80% of the data transmitted over networks and archived on our computers, tablets, cell phones or clouds is multimedia data -- images, videos, audio, 3D data. The applications of this data range from video games to healthcare, and include computer-aided design, video surveillance and biometrics. It is becoming increasingly urgent to secure this data, not only during transmission and archiving, but also during its retrieval and use. Indeed, in today's "all-digital" world, it is becoming ever-easier to copy data, view it unrightfully, steal it or falsify it.



Multimedia Security 2 analyzes issues relating to biometrics, protection, integrity and encryption of multimedia data. It also covers aspects such as crypto-compression of images and videos, homomorphic encryption, data hiding in the encrypted domain and secret sharing.

SEPTEMBER 2022 320PP
978-1-78945-027-9 CL \$165.00 (Japan)
Communication System Security

Trust-Based Communication Systems for IoT Applications

EDITOR PRATEEK AGRAWAL, EDITOR VISHU MADHAN, EDITOR ANAND SHARMA, EDITOR DILIP KUMAR SHARMA, EDITOR AKSHAT AGRAWAL & EDITOR SANDEEP KAUTISH

With an enormous range of applications, Internet of Things (IoT) has magnetized industries and academics from everywhere. IoT facilitates communication and operations through Internet access to all the devices with computing capabilities. Many applications can be applied in IoT, such as intelligent transportation systems, real-time medical monitoring, intelligent appliances and intelligent agriculture and smart grid. Internet of Things makes a smart communication process between objects and their environment over the internet. IoT creates a world where smart objects and services interact autonomously, and, therefore, a central issue is whether the service provided by a selected IoT device is trustworthy. Further, most IoT devices are mobile and will connect to the Internet on and off, depending on the location they roam into as well as the energy status of individual IoT devices. Taking into account the dynamic heterogeneous characteristic of interconnected devices in IoT, it demands for an effective and efficient trust-based IoT communication system that can scale to a large number of heterogeneous devices in IoT systems. In heterogeneous and complex environments, those resources must trust each other. On-Off attacks threaten the IoT trust security through nodes performing good and bad behaviors randomly, to avoid being rated as a menace.

The Major objective of this edited book is to deliver technologies to improve trust and eliminate malicious actors in participatory exchanges throughout communication using IOT devices such that these methods should not only be able to identify bad actors but also to improve communication and trust in the environment without violating object privacy. Whether as a reference for the engineer or scientist or a textbook for the student, this is a must-have for any library.

SEPTEMBER 2022 336PP
978-1-119-89633-3 CL \$195.00 (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

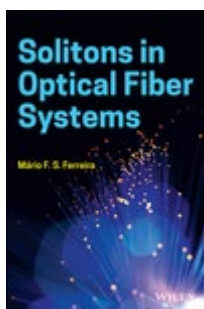
In *Solitons in Optical Fiber Systems*, distinguished researcher Dr. Mário F. S. Ferreira delivers a thorough treatment of the main characteristics of solitons in optical fiber communication systems and fiber devices, paying special attention to stationary and pulsating dissipative soliton pulses. The 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.

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



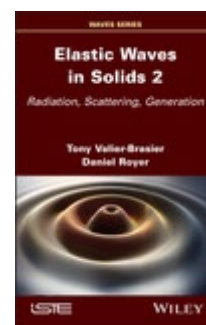
Elastic Waves in Solids, Volume 2

Radiation, Scattering, Generation

TONY VALIER-BRASIER & DANIEL ROYER

Elastic waves are used in fields as diverse as the non-destructive evaluation of materials, medicine, seismology and telecommunications.

Elastic Waves in Solids 2 analyzes the radiation, scattering and generation of these waves. It studies the emission of bulk or surface waves from sources localized on the surface of an isotropic or anisotropic solid. It then examines the scattering of a longitudinal or transverse elastic wave by one or more cylindrical or spherical heterogeneities. Finally, it explores the methods and devices used to generate and detect elastic waves, using the piezoelectric effect or the interaction with a laser beam. Accompanying figures illustrate these properties, and the text provides the orders of magnitude of some characteristic parameters. This book is intended for students completing a master's degree in acoustics, mechanics, geophysics or engineering, as well as teachers and researchers in these disciplines.



SEPTEMBER 2022 240PP
978-1-78630-815-3 CL \$165.00 (Japan)
Noise in Electronic Systems

Automation and Computational Intelligence for Road Maintenance and Management

Advances and Applications

HAMZEH ZAKERI, FEREIDOON MOGHADAS NEJAD & AMIR H. GANDOMI

A comprehensive computational intelligence toolbox for solving problems in infrastructure management

In *Automation and Computational Intelligence in Infrastructure Management*, a team of accomplished researchers delivers an incisive reference that covers the latest developments in computer technology infrastructure management. The book contains overview of foundational and emerging technologies and methods in both automation and computational intelligence, as well as detailed presentations of specific methodologies.

The distinguished authors emphasize the most recent advances in the maintenance and management of infrastructure robotics, automated inspection, remote sensing, and the applications of new and emerging computing technologies, including artificial intelligence, evolutionary computing, fuzzy logic, genetic algorithms, knowledge discovery and engineering, and more.

Perfect for postgraduate students in road and transportation engineering, evaluation, and assessment, *Automation and Computational Intelligence in Infrastructure Management* will also earn a place in the libraries of researchers interested in or working with the evaluation and assessment of infrastructure.



SEPTEMBER 2022 544PP
978-1-119-80064-4 CL \$145.00 (Japan)
Systems Engineering & Management

E-Paper Displays

EDITOR BO RU YANG

An in-depth introduction to a promising technology, curated by one of its pioneering inventors

Electronic paper (e-paper) has one of the most promising futures in technology. E-paper's potential is unlimited, as the displays require extremely low power and imitate the aesthetic of ink on the page. This allows e-paper devices to have a wider range of viewing angles than traditional LED products and are capable of being viewed in direct sunlight--and without any additional power. As a result, e-paper displays create less eye strain and have a greater flexibility in their use and have the potential to be used in place of paper for billboard advertising, educational applications, transport signage, amongst others.

In *E-Paper Displays*, editor Bo-Ru Yang and his team of experts present a detailed view into the important technologies involved in e-paper displays. With a particular emphasis on how this technology's unique properties make possible a wide range of personal and professional electronic products. As climate change makes efficient energy use more important than ever, e-paper can become an essential tool for future products on a large scale. As we rely more and more on technology, having lightweight devices with long battery life will become critical. This book provides engineers and innovators with an introduction to this important technology and shows new pathways for development.

As we enter a new stage in our industrial development, *E-Paper Displays* is an essential reference for computer engineers and developers, as well as innovators and scientists, and their students.



SERIES: WILEY SERIES IN DISPLAY TECHNOLOGY

SEPTEMBER 2022 320PP
978-1-119-74558-7 CL \$145.00 (Japan)
Electrical Engineering - Displays

エネルギー

Image Segmentation

Principles, Techniques, and Applications

TAO LEI & ASOKE K. NANDI

Brunel University London, UK

Summarizes and improves new theory, methods, and applications of current image segmentation approaches, written by leaders in the field

The process of image segmentation divides an image into different regions based on the characteristics of pixels, resulting in a simplified image that can be more efficiently analyzed. Image segmentation has wide applications in numerous fields ranging from industry detection and bio-medicine to intelligent transportation and architecture.

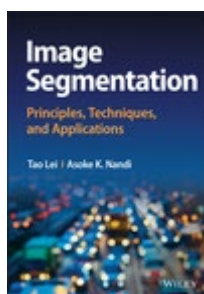


Image Segmentation: Principles, Techniques, and Applications is an up-to-date collection of recent techniques and methods devoted to the field of computer vision. Covering fundamental concepts, new theories and approaches, and a variety of practical applications including medical imaging, remote sensing, fuzzy clustering, and watershed transform. In-depth chapters present innovative methods developed by the authors--such as convolutional neural networks, graph convolutional networks, deformable convolution, and model compression--to assist graduate students and researchers apply and improve image segmentation in their work.

Image Segmentation: Principles, Techniques, and Applications is an essential resource for undergraduate and graduate courses such as image and video processing, computer vision, and digital signal processing, as well as researchers working in computer vision and image analysis looking to improve their techniques and methods.

SEPTEMBER 2022 368PP
978-1-119-85900-0 CL \$145.00 (Japan)
Image and Video Processing

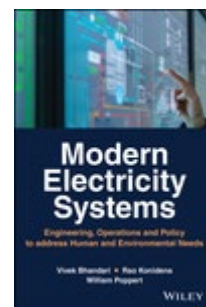
Modern Electricity Systems

Engineering, Operations, and Policy

VIVEK BHANDARI, RAO KONIDENA & WILLIAM POPPERT

A welcome textbook instructing on many current aspects of energy generation, transmission, distribution, and consumption

The importance of a well-informed group of individuals in charge of energy production and use is essential to create a sustainable and greener tomorrow. Technologies and costs are rapidly changing, and environmental goals widely debated in this book. The future of energy is at a crossroads. In addition, energy and technology poverty affects as much as 25% of the world's population. Having the correct set of "tools"--a basic understanding of modern electrical systems--is essential, not just for engineers but for our leaders and decision-makers.



With decades of experience in industry and academia behind them, the team of authors in *Modern Electricity Systems* offers a "toolbox" from which the reader will learn what is essential to make informed decisions. As such, this textbook provides an introduction to the fundamentals of how electricity is generated, financed, regulated, rationed, and stored -- with consideration not just of the current status of these issues but a glance at what the next decade may hold. Without this basic level of comprehension, the growing global impact and social issues can be discussed and advocated for, but real change in this sector can only be achieved through understanding the systems.

Modern Electricity Systems is a helpful reference for graduate and advanced undergraduate students and researchers, policymakers, environmentalists, humanitarians, business leaders, and decision-makers in all three sectors of electricity operations, engineering, and policy matters.

SEPTEMBER 2022 350PP
978-1-119-79349-6 CL \$150.00 (Japan)
Energy Economics & Policy

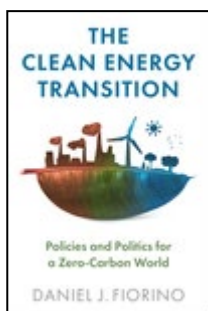
地球科学

The Clean Energy Transition

Policies and Politics for a Zero-Carbon World

DANIEL J. FIORINO

READERSHIP: Students of energy and environmental policy, public policy and global energy politics.



SEPTEMBER 2022 272PP
978-1-5095-4486-8 CL \$69.95 (Japan)
978-1-5095-4487-5 PB \$26.95 (Japan)
Renewable Energy

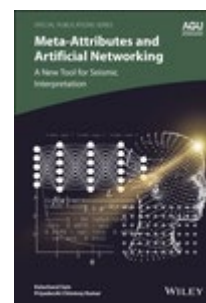
Meta-attributes and Artificial Networking

A New Tool for Seismic Interpretation

KALACHAND SAIN & PRIYADARSHI CHINMOY KUMAR

CSIR-National Geophysical Research Group, Hyderabad, India

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

SEPTEMBER 2022 288PP
978-1-119-48200-0 CL \$169.95 (Japan)
Geology & Geophysics

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

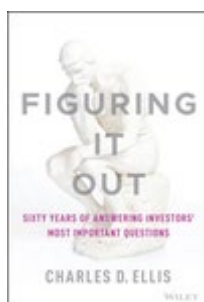
An indispensable collection of essays from one of the investment world's leading lights

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.



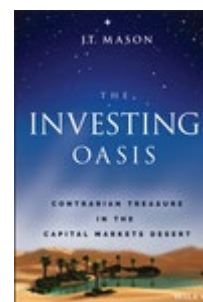
SEPTEMBER 2022 352PP
978-1-119-89895-5 CL \$29.95 (Japan)
General Finance & Investments

The Investing Oasis**Contrarian Treasures in the Capital Markets Desert**

J. T. MASON

A guided journey revealing hidden values and buried treasures amidst the dangers facing DIY investors.

A metaphorical journey through the hot, shifting sands of the capital markets desert to awaken readers to the urgency of the "Behavior Gap"—a chronic gap of under-performance relative to the markets experienced by investors worldwide.



This is a roadmap of portfolio management concepts and contrarian tactics that can turn misbehaviors, undue risks, and short-term gambles into longer-term strengths. Through 30 chapters and four tiers, the author progressively introduces more powerful tools & techniques used in the founding and successful management of the Oasis Growth Fund, a North American Hedge Fund.

No matter the complexities, the material is purposeful, transparent and allows flexibility for the reader to pursue the adventure as long as the rewards justify the sacrifices. With pragmatic advice, insights and tomes for the ages, *The Investing Oasis* is a compelling resource for new and experienced investors, alike.

Value your time at the Oasis to prepare for the adventures ahead.

SEPTEMBER 2022 384PP
978-1-119-87108-8 CL \$27.95 (Japan)
General Finance & Investments

The Win-Win Wealth Strategy

7 Investments the Government Will Pay You to Make

TOM WHEELWRIGHT

Build the financial future you deserve with tax-effective investing

The government wants your help, and it's willing to pay handsomely.

You just need to know what to do.

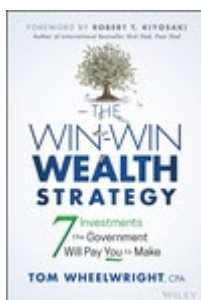
In *The Win-Win Wealth Strategy: 7 Investments the Government Will Pay You to Make*, celebrated entrepreneur, investor, and bestselling author Tom Wheelwright, CPA transforms the way you think about building wealth and challenges the paradigm that tax incentives are immoral loopholes. Backed by deep research in 15 countries, he identifies seven investing strategies that are A-OK with governments worldwide and will fatten your wallet while making the world a better place.

You'll learn:

- How to tax-effectively invest in business, technology, energy, real estate, insurance, agriculture, and retirement accounts
- How to use tax incentives to help pay for your next car, house, or tuition bill
- Why "the rich" are not "a drain on society" and, more importantly, how to become one of them

An indispensable and startlingly insightful exploration of straightforward investing strategies, *The Win-Win Wealth Strategy* improves your confidence in tax-effective investing, so you make better decisions with your money and supercharge your family's generational wealth while creating jobs, developing technology and improving access to food, energy and housing.

SEPTEMBER 2022 256PP
978-1-119-91154-8 CL \$25.00 (Japan)
General Finance & Investments



2023 CFA Program Curriculum Level II Box Set

CFA INSTITUTE

Effectively prepare for the challenging CFA Level II exam. The 2023 CFA Program Curriculum Level II Box Set provides readers with coverage of every tested domain on the challenging Chartered Financial Analyst Level II exam. You'll explore portfolio management and wealth planning, ethical standards, quantitative methods, economics, financial statement analysis, corporate issuers, derivatives, and equity, alternative, and fixed income investments. Filled with instructive practice questions and answers, key concepts, terms, and formulas, as well as market-leading instruction from financial thought leaders, the 2023 CFA Program Curriculum Level II Box Set is a must-have study aid for every aspiring Chartered Financial Analyst.

SEPTEMBER 2022 UnknownPP
978-1-953337-18-4 PB \$250.00 (Japan)
INVESTMENTS & SECURITIES

Cryptocurrency Mining For Dummies

2nd Edition

PETER KENT, DENVER, UNITED STATES & TYLER BAIN, BRIGHTON, UNITED STATES

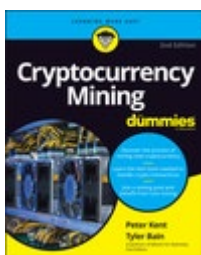
Consultant

Untangle the steps to mine crypto, including new coins and services

The cryptocurrency market moves quickly and miners and investors need the latest information to stay ahead of the game. This edition of *Cryptocurrency Mining For Dummies* has the insight you need to get started with mining. You'll learn what goes into building a mining rig that can complete cryptocurrency transactions and reap the rewards in the form of new coin. You also discover how to join existing mining programs. Whatever your crypto goals, *Dummies* will make it easy for you to understand, engage in, and invest in mining. You'll even get an up-to-date primer on the evolving legal situation and an idea of what to expect in the future of crypto.

- Understand the basics of mining cryptocurrency and get started with your own mining operation
- Explore the latest cryptocurrencies and mining services so you can mine your own or invest wisely
- Get involved in crypto mining with the hardware you already have, or build a new, powerful mining machine
- Become an expert on the latest mining trends so you can identify new ways to profit in the crypto space

With this book, you've got insider advice on choosing which cryptos to mine, riding out market fluctuations, creating pool accounts, and more. There's no time like the present to get started with crypto mining.

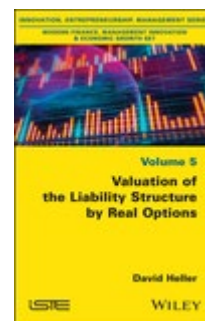


SEPTEMBER 2022 352PP
978-1-119-88536-8 PB \$29.99 (Japan)
INVESTMENTS & SECURITIES

Valuation of the Liability Structure by Real Options

DAVID HELLER

The valuation of the liability structure can be determined by real options because the shares of a company can be regarded as similar to the purchase of a financial call option. Therefore, from this perspective, debt can be viewed as the sale of a financial put option. As a result, financial analysts are able to establish different valuations of a company, according to these two financing methods.



Valuation of the Liability Structure by Real Options explains how the real options method works in conjunction with traditional methods. This innovative approach is particularly suited to the valuation of companies in industries where an underlying asset has high volatility (such as the mining or oil industries) or where research and development costs are high (for example, the pharmaceutical industry). Integration of the economic value of net debt (rather than the accounting value) and integration of the asset volatility are the main advantages of this approach.

SEPTEMBER 2022 208PP
978-1-78630-734-7 CL \$165.00 (Japan)
Business & Finance

外国語

Brazilian Portuguese For Dummies

3rd Edition

KAREN JACOBSON-SIVE, NEWTON, UNITED STATES

Language learning is easy with Dummies

Brazilian Portuguese For Dummies can help you achieve your goals of learning another language. Traveling to Brazil? Taking a class in school? Want to meet people and pick up a new hobby? Just curious about the sixth most spoken language in the world? We've got you covered, with easy-to-follow lessons on the basics, plus phrases and topics you need to know, like greetings, travel phrases, business phrases, numbers and measurements, and social media. Add speaking Portuguese to the long list of cool things you can do--with the help of *Brazilian Portuguese For Dummies*.



- Start from the beginning and learn the very basics of Brazilian Portuguese
- Practice authentic phrases for travel, business, and communicating online
- Perfect your pronunciation with bonus audio tracks, and discover fun facts about Brazilian culture
- Get recommendations for movies, travel tips, and more

Whether you're studying Portuguese for business, school, or pleasure, Dummies is the best guide for getting started with this beautiful language.

SEPTEMBER 2022 400PP
978-1-119-89465-0 PB \$24.99 (Japan)
OTHER LANGUAGES

食品科学

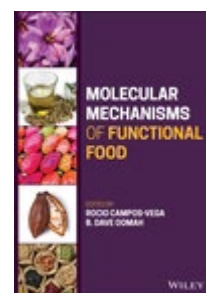
Molecular Mechanisms of Functional Food

EDITOR ROCIO CAMPOS-VEGA & EDITOR B. DAVE OOMAH

Universidad Autonoma de Queretaro, Mexico

Comprehensive resource for understanding state-of-the-art mechanisms behind food health effects

This book provides information on functional foods development and validation towards their market and industrial application. It covers the available information on developments, efficacy, and testing and safety while demonstrating the proven or potential effects of food on health and disease.



With contributions from foremost experts in the field, this book will bring readers up to speed on the state of the art in the mechanisms behind food health effects, from their physiological bases to their conception, current uses, and future developments. Sample topics covered by the authors include:

- The molecular mechanisms of action of antioxidant fibers, prebiotics, ginger, and cinnamon
- Saffron, a functional food with potential molecular effects
- Pseudocereals, ancestral grains that can serve as source of bioactive compounds for functional foods
- Molecular effects of future functional foods -- psychobiotics, chronobiotics, hempseed, opuntia, common and carioca beans, coffee and cocoa by-products

Food industry professionals, government workers involved in projects related to food, and students in programs of study related to food can use this book as an up-to-date reference to fully understand the effects that many common and uncommon foods have on humans.

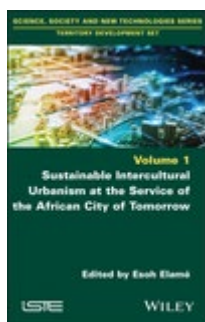
SEPTEMBER 2022 624PP
978-1-119-80402-4 CL \$200.00 (Japan)
Functional Foods & Nutraceuticals

地理学

Sustainable Intercultural Urbanism at the Service of the African City of Tomorrow

EDITOR ESOH ELAME

Most African cities are human settlements that lack the systems needed for effective land use planning. In fact, the disorganization that prevails has become so complex that the concept of urbanism itself has been called into question. This book highlights the need to restore urban planning in African cities through sustainable development and interculturality. Furthermore, it addresses the balance of power between urban planning and sustainable development and explores the historical and postcolonial aspects of urban planning in African cities.



A case study focusing on the development of sustainable cities and neighborhoods in the M'Zab Valley is also included, as well as topics such as urban greening, climatic threats and the problem of state agro_industrial land transactions, which compete with sustainable urban planning. Sustainable Intercultural Urbanism at the Service of the African City of Tomorrow is a valuable reference for researchers and practitioners interested in urban issues in African cities. These cities, in particular sub Saharan cities, have long been excluded from any discourse on sustainable cities and urban planning; this book places the focus on these cities and acknowledges their varied urban realities. The intention is to spark a new debate on sustainable urban planning in African cities based on intercultural sustainable urbanism, which is key to thinking about and building ecological, intercultural, compact, intelligent and postcolonial cities.

SEPTEMBER 2022 224PP
978-1-78630-759-0 CL \$165.00 (Japan)
Urban Geography

公衆衛生

COVID-19

The Postgenomic Pandemic

HUGH PENNINGTON

READERSHIP: Medical and health professionals, policy-makers, and general readers interested in the COVID-19 pandemic, science and public health.



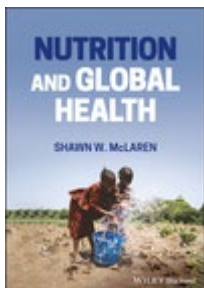
SEPTEMBER 2022 140PP
978-1-5095-5214-6 CL \$59.95 (Japan)
978-1-5095-5215-3 PB \$16.95 (Japan)
Health & Social Care

歴史

Nutrition and Global Health

SHAWN W. MCLAREN

Nutrition and Global Health began as a series of short literature reviews, since then, the work has become an authoritative and highly accessible resource on the vast and nuanced subject matter covered within. One of the major themes of the work is integrating nutrition into other disciplines: with its basis in biochemistry, human physiology, behavioural science, and even political studies, nutrition is a vital component in the success of interventions.



This book will provide students and practitioners with a roadmap for interpreting the global health landscape and create links between nutritional physiology, policy, and action. Readers will find it easy to develop analytical skills throughout this book, which is based on widely used practices in global health.

Topics covered in *Nutrition and Global Health* include:

- Assessing nutritional status, nutrition surveillance, nutrition and infectious disease, and maternal and child nutrition
- Micronutrient deficiencies (including but not limited to iron, iodine, vitamin A, zinc, and folate), plus the nutritional double burden of disease
- Food security, sustainable food and agriculture, working in the global health environment, and nutrition in emergencies
- Answers to the questions "How do I design an effective intervention?" and "How can I decide whether or not my intervention has done what I intended it to do?"

Unlike long and complex policy documents which rely on a solid foundation in more basic sciences, *Nutrition and Global Health* is an accessible resource that allows clinicians, policy makers, and planners to better understand the global health landscape and stage better interventions.

SEPTEMBER 2022 240PP
978-1-119-77982-7 PB \$59.95 (Japan)
Nutrition & Dietetics General

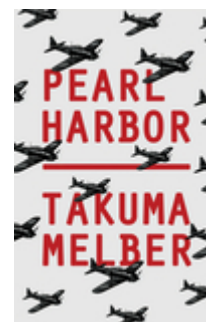
Pearl Harbor

Japan's Attack and America's Entry into World War II

TAKUMA MELBER & TRANSLATOR NICK SOMERS

Heidelberg University

READERSHIP: A wide general readership with an interest in WWII



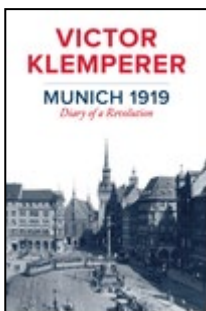
SEPTEMBER 2022 240PP
978-1-5095-5491-1 PB \$16.95 (Japan)
9781509537204 CL \$25.00 (Japan) Published, Oct 2020
Twentieth Century & Contemporary History

Munich 1919

Diary of a Revolution

VICTOR KLEMPERER & TRANSLATOR JESSICA SPENGLER

READERSHIP: Students and scholars of history as well as the general readership interested in 20th century German history.



SEPTEMBER 2022 224PP
978-1-5095-1059-7 PB \$16.95 (Japan)
9781509510580 CL \$25.00 (Japan) Published June 2017
20th Century & Contemporary European History

The Scent of Empires

Chanel No. 5 and Red Moscow

KARL SCHLÖGEL & TRANSLATED BY JESSICA SPENGLER

European University Viadrina, Frankfurt

READERSHIP: A wide general readership interested in modern history



SEPTEMBER 2022 224PP
978-1-5095-5492-8 PB \$16.95 (Japan)
9781509546596 CL \$25.00 (Japan) Published, May 2021
20th Century & Contemporary European History

War and Conflict in the Middle Ages

STEPHEN MORILLO

Wabash College, Crawfordsville

READERSHIP: Students of military history, medieval history and global history



SERIES: WAR AND CONFLICT
THROUGH THE AGES

SEPTEMBER 2022 280PP
978-1-5095-2977-3 CL \$69.95 (Japan)
978-1-5095-2978-0 PB \$26.95 (Japan)
History Special Topics

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.

In addition to the perspectives of several global commercial organizations on the project management industry's future, readers will find:

- Thorough introductions to project management as a strategic competency and corporate project management cultures
- Comprehensive explorations of workforce upskilling and defining project success
- Practical discussions of flexible project management frameworks and flexible life cycle phases and project governance
- In-depth examinations of value-driven project management and metrics, as well as metrics for intangible assets, and strategic metrics

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.

SEPTEMBER 2022 512PP
978-1-119-83227-0 CL \$80.00 (Japan)
Industrial Engineering / Project Management

ライフスタイル

Fantasy Football For Dummies

2nd Edition

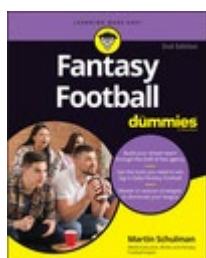
MARTIN A. SCHULMAN, JERSEY CITY, UNITED STATES

Get in the game and start building your dream team

Millions of people worldwide play fantasy football, and you can join the fun with *Fantasy Football For Dummies*. We'll teach you the basics and give you the skills you need to create and manage your ultimate fantasy team. Learn how to scout and draft players, use the best strategies to compete against other fantasy owners, and win your fantasy league championship. You can easily manage your team and stay up to date on player stats with the how-tos and insider tips in this book. Check out this fun and entertaining guide to fantasy football and you'll be on your way to becoming a successful fantasy team owner, manager, and coach.

- Understand how fantasy football works
- Learn about the various fantasy league options
- Draft and manage your fantasy team, and change your roster effectively week to week
- Maximize your chances of winning with effective tips and strategies

This Dummies guide--updated with the latest apps and rule changes--is for the millions of people who are already playing fantasy football today and want to improve their fantasy league performance, and it's perfect for beginners interested in joining a league and learning the basics. Yes--that means you!



SEPTEMBER 2022 UnknownPP
978-1-119-88332-6 PB \$24.99 (Japan)
SPORTS & GAMES (GENERAL)

Soccer For Dummies

3rd Edition

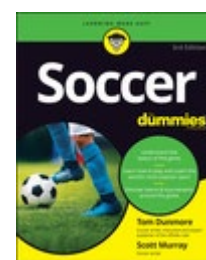
THOMAS DUNMORE, INDIANAPOLIS, UNITED KINGDOM & SCOTT MURRAY

Flick, fake, and dribble your way to soccer mastery

Prepare for the World Cup or learn the rules for your own indoor or outdoor league, with *Soccer For Dummies*. We cover the world's most popular sport from one end of the field to the other, starting with the history of soccer and the basics of the game. Discover the positions on the field, the best tactics for winning, and the skills the players (including you!) need in order to dominate. This update to the comprehensive guide introduces you to all the greats--Ronaldo, Messi, Neymar, and up-and-comers whose moves you'll want to know. You'll also get descriptions of various leagues around the globe, and the lowdown on where you can find soccer games and resources, online and elsewhere.

- Learn how soccer got to be the #1 most popular sport in the world
- Get up to speed on the world's best leagues, teams, and players, so you can follow and enjoy the World Cup
- Discover tips on playing and coaching, plus fun soccer facts and resources for learning more
- Become the ultimate soccer fan with your newfound knowledge of the game

Soccer For Dummies is for anyone who wants to learn more about soccer, the rules, how the game is played, how professional leagues operate around the world, and how to follow them.



SEPTEMBER 2022 UnknownPP
978-1-119-89365-3 PB \$24.99 (Japan)
SPORTS

ライフサイエンス

Biology Workbook For Dummies

2nd Edition

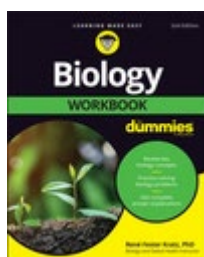
RENE FESTER KRATZ, LAKE STEVENS, UNITED STATES

Get a feel for biology with hands-on activities

Biology Workbook For Dummies is a practical resource that provides you with activities to help you better understand concepts in biology. Covering all the topics required in high school and college biology classes, this workbook gives you the confidence you need to ace the test and get the grade you need. Physiology, ecology, evolution, genetics, and cell biology are all covered, and you can work your way through each one or pick and choose the topics where you could use a little extra help. This updated edition is full of new workbook problems, updated study questions and exercises, and fresh real-world examples that bring even the tough concepts to life.

- Get extra practice in biology with activities, questions, and exercises
- Study evolution, genetics, cell biology, and other topics in required biology classes
- Pass your tests and improve your score in high school or college biology class
- Demystify confusing concepts and get clear explanations of every idea

Great as a companion to *Biology For Dummies* or all on its own, *Biology Workbook For Dummies* is your practice supplement of choice.



SEPTEMBER 2022 400PP
978-1-119-89481-0 PB \$24.99 (Japan)
GENERAL BIOLOGY

Basic Bioscience Laboratory Techniques

A Pocket Guide, 2nd Edition

PHILIP L.R. BONNER & ALAN J. HARGREAVES

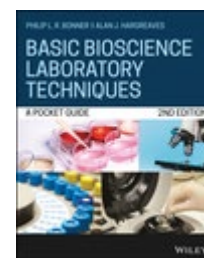
Nottingham Trent University; Nottingham Trent University

A portable and pocket-sized guide to foundational bioscience and biomedical science laboratory skills

The newly revised Second Edition of *Basic Bioscience Laboratory Techniques: A Pocket Guide* delivers a foundational and intuitive pocket reference text that contains essential information necessary to prepare reagents, perform fundamental laboratory techniques, and analyze and interpret data.

This latest edition brings new updates to health and safety considerations, points of good practice, and explains the basics of molecular work in the lab. Perfect for first year undergraduate students expected to possess or develop practical laboratory skills, this reference is intended to be accessed quickly and regularly and inform the reader's lab techniques and methods. It assumes no prior practical knowledge and offers additional material that can be found online.

Basic Bioscience Laboratory Techniques: A Pocket Guide is an indispensable reference for first year students at the BSc level, as well as year one HND/Foundation degree students. It's also a must-read resource for international masters' students with limited laboratory experience. In addition, it is a valuable aide-memoire to UG and PG students during their laboratory project module.



SEPTEMBER 2022 144PP
978-1-119-66335-5 PB \$44.95 (Japan)
MOLECULAR BIOLOGY (LIFE SCIENCES)

The Human Lineage

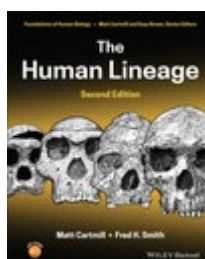
2nd Edition

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

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

To Catch A Virus

2nd Edition

JOHN BOOSS & MARIE LOUISE LANDRY

Trace the evolution of diagnostic virology from yellow fever to COVID-19

Join expert storytellers John Booss, Marilyn J. August, and Marie Louise Landry in a journey through the history of viral epidemics and the detective work of those determined to identify the culprits and treat the infected.



From the identification of the first virus in the late 1800s to the molecular techniques that enabled the rapid recognition of and vaccine development for the SARS-CoV-2 virus, viral diagnostic methods have progressed over the past century to become a formidable tool in human health care. This collection of gripping historical narratives covers a range of fascinating outbreaks and public health challenges, from yellow fever and smallpox to AIDS and COVID-19. This new edition chronicles the ongoing story of the COVID-19 pandemic, highlighting the people, the pathogen, and the progress in the diagnostic laboratory and clinical settings that has touched every aspect of global health.

The many photographs and rich biographical sketches of key figures, diagrams of diagnostic procedures, micrographs of virus-infected cells, timelines, and a new glossary of key terms for each viral story make *To Catch a Virus* compelling reading. This book serves as an excellent resource for courses in virology, immunology, microbiology, and public health.

SERIES: ASM BOOKS

SEPTEMBER 2022 392PP
978-1-68367-373-6 PB \$45.95 (Japan)
MICROBIOLOGY & VIROLOGY

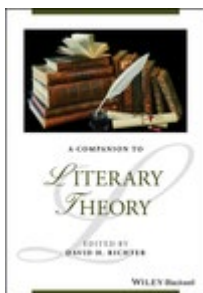
文学

A Companion to Literary Theory

EDITOR DAVID H. RICHTER

Queens College; Graduate Center, City University of New York,
USA**Introduces readers to the modes of literary and cultural study of the previous half century**

A Companion to Literary Theory is a collection of 36 original essays, all by noted scholars in their field, designed to introduce the modes and ideas of contemporary literary and cultural theory. Arranged by topic rather than chronology, in order to highlight the relationships between earlier and most recent theoretical developments, the book groups its chapters into seven convenient sections: I. Literary Form: Narrative and Poetry; II. The Task of Reading; III. Literary Locations and Cultural Studies; IV. The Politics of Literature; V. Identities; VI. Bodies and Their Minds; and VII. Scientific Inflections.



Allotting proper space to all areas of theory most relevant today, this comprehensive volume features three dozen masterfully written chapters covering such subjects as: Anglo-American New Criticism; Chicago Formalism; Russian Formalism; Derrida and Deconstruction; Empathy/Affect Studies; Foucault and Poststructuralism; Marx and Marxist Literary Theory; Postcolonial Studies; Ethnic Studies; Gender Theory; Freudian Psychoanalytic Criticism; Cognitive Literary Theory; Evolutionary Literary Theory; Cybernetics and Posthumanism; and much more.

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

SERIES: BLACKWELL COMPANIONS TO LITERATURE AND CULTURE

SEPTEMBER 2022 608PP
978-1-119-40690-7 PB \$45.00 (Japan)
9781118958674 CL \$170.95 (Japan) Published MAR 2018
General Literature

From Ashes to Text**Andean Literature of Sexual Dissidence in the 20th Century**

DIEGO FALCONI TRAVEZ & TRANSLATED BY CARRIE HAMILTON

Roehampton University, UK

READERSHIP: Students and scholars of Latin American studies, queer and gender studies, cultural and literary theory, philosophy

**SERIES: CRITICAL SOUTH**

SEPTEMBER 2022 280PP
978-1-5095-5015-9 CL \$69.95 (Japan)
978-1-5095-5016-6 PB \$24.95 (Japan)
Literary & Cultural Theory

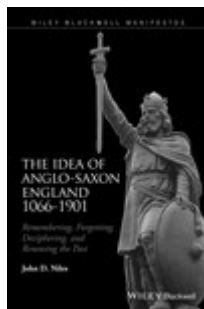
The Idea of Anglo-Saxon England 1066-1901

Remembering, Forgetting, Deciphering, and
Renewing the Past

JOHN D. NILES

University of Wisconsin-Madison, USA

- *The Idea of Anglo Saxon England, 1066-1901* presents the first systematic review of the ways in which Anglo-Saxon studies have evolved from their beginnings to the twentieth century
- Tells the story of how the *idea* of Anglo-Saxon England evolved from the Anglo-Saxons themselves to the Victorians, serving as a myth of origins for the English people, their language, and some of their most cherished institutions
- Combines original research with established scholarship to reveal how current conceptions of English identity might be very different if it were not for the discovery -- and invention-- of the Anglo-Saxon past
- Reveals how documents dating from the Anglo-Saxon era have greatly influenced modern attitudes toward nationhood, race, religious practice, and constitutional liberties
- Includes more than fifty images of manuscripts, early printed books, paintings, sculptures, and major historians of the era



SEPTEMBER 2022 448PP
978-1-119-07124-2 PB \$59.95 (Japan)
9781118943328 CL \$98.75 (Japan) SEPTEMBER 2015
Old, Middle & Medieval English Literature

Tomorrow is Here

Speeches

NAVID KERMANI & TRANSLATED BY TONY CRAWFORD

READERSHIP: A general readership interested in social and cultural issues, politics and religion; students and academics in literature and modern languages, especially German language and literature



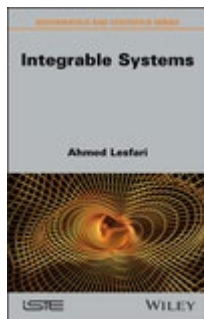
SEPTEMBER 2022 310PP
978-1-5095-5056-2 CL \$69.95 (Japan)
978-1-5095-5057-9 PB \$24.95 (Japan)
European Literature

数学

Integrable Systems

AHMED LESFARI

This book illustrates the powerful interplay between topological, algebraic and complex analytical methods, within the field of integrable systems, by addressing several theoretical and practical aspects. Contemporary integrability results, discovered in the last few decades, are used within different areas of mathematics and physics.



Integrable Systems incorporates numerous concrete examples and exercises, and covers a wealth of essential material, using a concise yet instructive approach. This book is intended for a broad audience, ranging from mathematicians and physicists to students pursuing graduate, Masters or further degrees in mathematics and mathematical physics. It also serves as an excellent guide to more advanced and detailed reading in this fundamental area of both classical and contemporary mathematics.

SEPTEMBER 2022 336PP
978-1-78630-827-6 CL \$165.00 (Japan)
Applied Mathematics

IGA

Non-conforming Coupling and Shape Optimization of Complex Multipatch Structures

ROBIN BOUCLIER & THIBAUT HIRSCHLER

Isogeometric analysis (IGA) consists of using the same higher-order and smooth spline functions for the representation of geometry in Computer Aided Design as for the approximation of solution fields in Finite Element Analysis. Now, about fifteen years after its creation, substantial works are being reported in IGA, which make it very competitive in scientific computing.



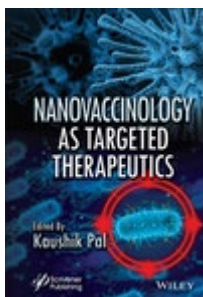
This book provides a contemporary vision of IGA by first discussing the current challenges in achieving a true bridge between design and analysis, then proposing original solutions that answer the issues from an analytical point of view, and, eventually, studying the shape optimization of structures, which is one of the greatest applications of IGA. To handle complex structures, a full analysis-to-optimization framework is developed, based on non-invasive coupling, parallel domain decomposition and immersed geometrical modeling. This seems to be very robust, taking on all of the attractive features of IGA (the design--analysis link, numerical efficiency and natural regularization), giving us the opportunity to explore new types of design.

SEPTEMBER 2022 256PP
978-1-78630-824-5 CL \$165.00 (Japan)
Numerical Methods

Nanovaccinology as Targeted Therapeutics

EDITOR KAUSHIK PAL

Nanovaccinology could potentially revolutionize conventional therapy and diagnostic methods due to their superior effectiveness over their macro-sized counterparts in almost all biomedical areas. Strong interests in this novel class of material have driven many studies to discover biogenic production methods and new areas of potential utilization in this area. The 19 chapters in this book written by subject matter experts, present the developments of these biomedical research aspects that will pave the way for the next-generation utilization techniques.



SEPTEMBER 2022 352PP
978-1-119-85734-1 CL \$195.00 (Japan)
Immunology

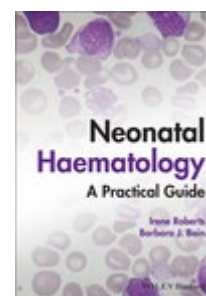
Neonatal Haematology

A Practical Guide

IRENE ROBERTS & BARBARA J. BAIN, LONDON, UNITED KINGDOM

St Mary's Hospital, London, UK

This unique handbook contains comprehensive coverage of neonatal haematology and aids diagnosis via high-quality images, diagnostic algorithms, case studies, and tables. With illustrations accompanying the diagnosis at each stage and clear explanations provided throughout, the book is ideal for trainees and experts alike.



Authored by two of the world's leading hematologists, Professor Irene Roberts and Professor Barbara Bain, the book provides a depth of knowledge that is unequalled in other texts. To aid in reader comprehension, it is neatly organised by clinical problems and covers sample topics such as:

- Red cells: morphology, membrane, enzymes, and changes over the first 4 weeks of life
- Haemolytic anaemias: causes of neonatal haemolysis, diagnostic clues, and immune haemolysis (haemolytic disease of the newborn)
- Neonatal anaemia due to blood loss: causes of blood loss, diagnostic clues, feto-maternal haemorrhage, and twin-to-twin transfusion
- Haematological signs of neonatal infection: causes of neutrophil left shift, leucoerythroblastosis, and toxic granulation

Paediatric haematologists, consultant haematologists, and trainees in haematology can use the succinct, well-written content in this book as a useful helping hand during consultation. Biomedical scientists will also derive value from the work in being able to use it as a laboratory reference.

SEPTEMBER 2022 304PP
978-1-119-37158-8 CL \$145.00 (Japan)
Hematology

Evidence-Based Nephrology

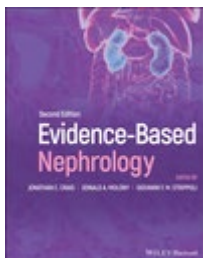
2nd Edition

DONALD A. MOLONY M.D., JONATHAN C. CRAIG & GIOVANNI STRIPPOLI

Evidence-based Nephrology provides students of nephrology and practicing clinicians with a convenient single source of clinical evidence that has been passed through an evidence-based filter. This fully revised second edition incorporates substantial new available data, updated methods of research synthesis, and a renewed focus on consumer engagement in the evaluation and management kidney disease. This updated textbook includes twenty new chapters and three new sections, covering supportive care and patient-centered care and outcomes. In addition, every chapter that was in the first edition has been extensively updated. This new edition covers epidemiology, acute kidney injury, primary diseases of the kidney, secondary diseases of the kidney, chronic kidney disease and complications, hemodialysis, chronic kidney disease stage 5, peritoneal dialysis, supportive care, transplantation, electrolytes and acid-base disorders, and patient-centered care and outcomes for both adult and for pediatric patients.

Boasting a new co-editor along with several new chapter authors and section editors, *Evidence-based Nephrology* is now an even better evidence-based nephrology tool, where each chapter provides a clear foundation of the topic that is supported by the best current evidence. This new edition includes broader coverage of the available evidence and addresses crucial clinical questions regarding the treatment and care of people with all stages of chronic kidney disease, including people undergoing any form of dialysis (hemodialysis or peritoneal dialysis), those requiring kidney transplantation and pediatric patients.

Evidence-based Nephrology, Second Edition, is a core resource for the evidence-based nephrology practitioner who is otherwise limited by time constraints from researching every question that may arise daily in the care of their patients.



Neurology

A Clinical Handbook

CHARLES CLARKE

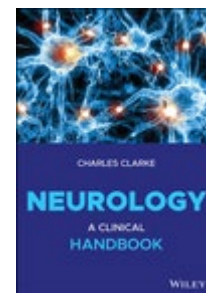
National Hospital For Neurology and Neurosurgery, University College Hospitals, London

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.



SEPTEMBER 2022 496PP
978-1-119-23572-9 PB \$65.00 (Japan)
Neurology

SERIES: EVIDENCE-BASED MEDICINE

SEPTEMBER 2022 1424PP
978-1-119-10592-3 CL \$355.00 (Japan)
NEPHROLOGY

Symptoms in the Pharmacy

A Guide to the Management of Common Illnesses

9th Edition

ALISON BLENKINSOPP, MARTIN DUERDEN & JOHN BLENKINSOPP

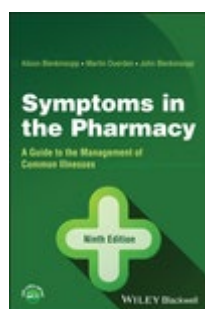
Keele University, Staffordshire; Bradford University

A Thorough Guidebook for Assessing and Managing Common Symptoms and Illnesses Seen in the Pharmacy

Pharmacies, and pharmacists, are often the first source for information and advice used by a patient when health problems arise. This book supports pharmacists to recognize symptoms, advise with confidence, and recommend appropriate treatment or referral, while also providing a comprehensive digest of common conditions ideal for both practical use and reference.

Informed by the experiences and expertise of seasoned pharmacists and GPs, each chapter in the book provides pharmacists and their staff working in the community with a decision-making framework along with suggestions on "when to refer" contained within summary boxes. A unique feature of the book is that case studies are provided throughout, in which pharmacists, doctors, nurses and patients themselves describe assessment and treatment of a wide range of common problems.

Practicing and Foundation trainee pharmacists, as well as undergraduate pharmacy students and other healthcare professionals, will find *Symptoms in the Pharmacy: A Guide to the Management of Common Illnesses* invaluable when dealing with both common and obscure symptoms and illnesses.



SEPTEMBER 2022 592PP
978-1-119-80744-5 PB \$65.00 (Japan)
PHARMACY

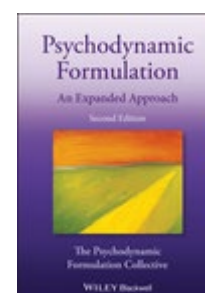
Psychodynamic Formulation

An Expanded Approach

THE PSYCHODYNAMIC FORMULATION COLLECTIVE

A leading text for psychodynamic clinicians and practitioners

Psychodynamic Formulation: An expanded Approach delivers an exceptional exploration of psychodynamic explanations and hypothesis that seek to explain how a person's conscious and unconscious thoughts and feelings may have developed and may be causing or contributing to the challenges they face.



This latest edition of the leading reference includes a refreshed and reinvigorated emphasis on the impacts of culture and society, as well as the importance of diversity and inclusion, on the psychodynamic process. It also puts a new focus on the lived experience, including trauma, of individuals, and how the bias of clinicians and academics have contributed to the perpetuation of these traumas. Finally, the authors also discuss in greater detail issues of identity, psychodynamic defenses, values, and the collaborative process.

Perfect for mental health practitioners with a professional interest in psychoanalysis, *Psychodynamic Formulation: An Expanded Approach* will also earn a place in the libraries of students studying psychology and related subjects.

SEPTEMBER 2022 336PP
978-1-119-79726-5 CL \$64.95 (Japan)
PSYCHIATRY

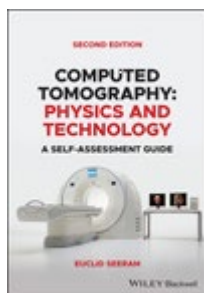
Review Questions in Computed Tomography

Physics and Technology, 2nd Edition

EUCLID SEERAM

British Columbia Institute of Technology Medical Imaging,
School of Health Sciences, Canada

In the newly updated second edition of *Computed Tomography: Physics and Technology: A Self-Assessment Guide*, distinguished computed tomography (CT) educator Euclid Seeram delivers a completely revised and expanded collection of multiple-choice questions covering all relevant technological advances, including the use of artificial intelligence, in the field of CT. In the book, readers will find a focused emphasis on physics and technology - an area where students of this discipline have traditionally struggled.



The questions are presented in a format similar to those found on the certification examinations of the American Registry of Radiologic Technologists (ARRT), the Canadian Association of Medical Radiation Technologists (CAMRT), and other professional medical imaging organizations around the world. The author has also included true-false questions, short answer questions, and relevant learning outcomes to aid students in their study of the subject.

Perfect for radiological technology and diagnostic radiography students and practitioners, *Computed Tomography: Physics and Technology-A Self-Assessment Guide*, will also earn a place in the libraries of biomedical engineering students and radiology residents in training.

SEPTEMBER 2022 192PP
978-1-119-81932-5 PB \$65.00 (Japan)
Radiology & Imaging

Clinical Genetics and Genomics at a Glance

NEETA LAKHANI, KUNAL KULKARNI, JULIAN BARWELL,
PRADEEP VASUDEVAN & HUW DORKINS

Junior Doctor, Oxford Deanery, UK

**Comprehensive and accessible overview
of genetics in clinical practice with a
unique systems-based approach**



Clinical Genetics and Genomics at a Glance combines the clinical and scientific facets of a complex subject in a way that is both accessible and succinct to facilitate the diagnosis, treatment, and management of common genetic conditions.

Using the popular "at a Glance" format, this book enables the reader to gain a solid understanding of the practical applications of clinical genetics in different systems. Covering a wide range of topics, this book is perfect for an introduction on the subject texts or for revision purposes and are useful throughout medical school and beyond.

Clinical Genetics and Genomics at a Glance is a helpful learning aid that can be used at various stages of medical training to gain an understanding of the aspects of clinical genetics and the fundamentals behind the specialty. The text also functions as a useful on-ward reference tool for practitioners of all experience levels.

SERIES: AT A GLANCE

SEPTEMBER 2022 180PP
978-1-119-24095-2 PB \$44.95 (Japan)
Medical Education

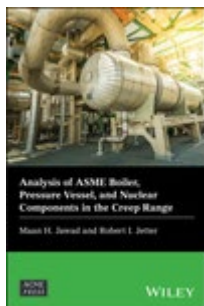
機械工学

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.



Product Maturity, Volume 2

Principles and Illustrations

FRANCK BAYLE

Every parent is concerned when a child is slow to become a mature adult. This is also true for any product designer, regardless of their industry sector. For a product to be mature, it must have an expected level of reliability from the moment it is put into service, and must maintain this level throughout its industrial use.



While there have been theoretical and practical advances in reliability from the 1960s to the end of the 1990s, to take into account the effect of maintenance, the maturity of a product is often only partially addressed. *Product Maturity 2* fills this gap as much as possible; a difficult exercise given that maturity is a transverse activity in the engineering sciences; it must be present throughout the lifecycle of a product.

SEPTEMBER 2022 192PP
978-1-78630-740-8 CL \$165.00 (Japan)
Mechanical Engineering - Design

SERIES: WILEY-ASME PRESS SERIES

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

Dynamics of Aircraft Flight

GILLES LOUIS

Performance calculations can be classified into three main types: lift, thrust and slope. Firstly, since the lift profile is known and unmodifiable from the time an aircraft is designed, the mass at a given speed or the speed at a given mass must be determined. Then, once the thrust of the engines and the mass are known, the slope must be calculated. Finally, once the slope is known (for example, level flight) as well as the mass, it is necessary to deduce the thrust; this is the position of the throttle control lever that ensures balance.



The corresponding consumption must then be defined. Performance specifications for customer aircraft, such as manoeuvrability, fuel consumption, maintenance, safety and testability, have become ever more demanding with each generation of equipment. Major technical advances have been required: wing profiles, engines, materials to reduce mass, etc. This book presents a theoretical approach to flight mechanics that makes it possible to grasp the subject and links it with the empirical approach of manufacturers.

SEPTEMBER 2022 208PP
978-1-78630-719-4 CL \$165.00 (Japan)
Aeronautic & Aerospace Engineering

Modern Automotive Electrical Systems

EDITOR PEDRAM ASEF, EDITOR P. SANJEEVIKUMAR, EDITOR
ANDREW LAPHORN & EDITOR CHRISTOS KALYVAS

SEPTEMBER 2022 UnknownPP
978-1-119-80104-7 CL \$225.00 (Japan)
Automotive Engineering

材料科学

Theory of Ground Vehicles

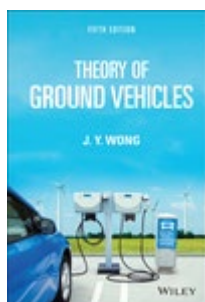
5th Edition

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.

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

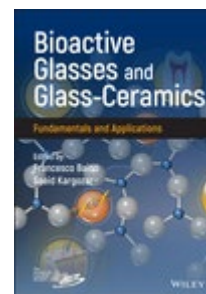
Bioactive Glasses and Glass-Ceramics

Fundamentals and Applications

EDITOR FRANCESCO BAINO & EDITOR SAEID KARGOZAR

A Comprehensive and Critical Overview of Bioactive Glasses and Glass-Ceramics

Bioactive glasses and glass-ceramics are a versatile class of biocompatible materials that have an astonishing impact in biomedicine. *Bioactive Glasses and Glass-Ceramics: Fundamentals, Applications, and Advances* presents topics on the functional properties, processing, and applications of bioactive glasses and glass-ceramics.



The primary use of bioactive glasses and glass-ceramics is to repair bone and dental defects; however, their full potential is yet to be fulfilled. Many of today's achievements in regenerative medicine and soft tissue healing were unthinkable when research began. As a result, the research involving bioactive glasses and glass-ceramics is highly stimulating and continuously progresses across many different disciplines including chemistry, materials science, bioengineering, biology and medicine.

Bioactive Glasses and Glass-Ceramics: Fundamentals, Applications, and Advances serves as a comprehensive and complete reference work on bioactive glasses and glass-ceramics for R & D materials scientists, surgeons and physicians, and leadership at glass and medical companies. Students and professors in fields of study pertaining to the aforementioned disciplines will also derive value from the work.

SEPTEMBER 2022 624PP
978-1-119-72451-3 CL \$249.00 (Japan)
Ceramics

Physics, Optics, and Spectroscopy of Materials

ZEEV BURSHTEIN

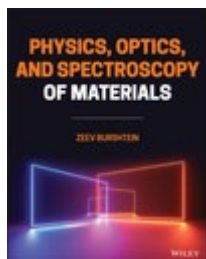
Bridges a gap that exists between optical spectroscopists and laser systems developers

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.

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



Crystal Elasticity

PASCAL GADAUD

This book is an original and timeless description of the elasticity of solids, and more particularly of crystals, covering all aspects from theory and elastic constants to experimental moduli. The first part is dedicated to a phenomenological and dimensionless representation of macroscopic crystal elasticity, which allows us to compare all crystals of the same symmetry with the concept of anisotropy and to establish new relations between elastic constants. Multi-scale approaches are then put forward to describe the elasticity at an atomic scale or for polycrystals. The relationship between elasticity and structural or physical properties is illustrated by many experimental data. The second part is entirely devoted to a Lagrangian theory of vibrations and its application to the characterization of elasticity by means of the dynamic resonant method. This unique approach applied to tension_compression, flexural and torsional tests allows for an accurate determination of elastic moduli of structural and functional crystals, varying from bulk to multi-coated materials



SEPTEMBER 2022 192PP
978-1-78630-822-1 CL \$165.00 (Japan)
Properties of 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

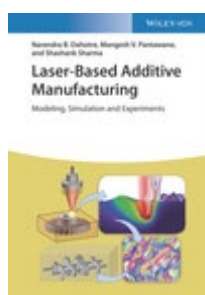
Explore laser-based additive manufacturing processes via multi-scale modeling and computer simulation

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.

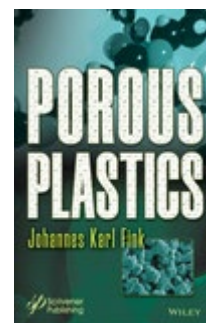
SEPTEMBER 2022 320PP
978-3-527-34791-9 CL \$155.00 (Japan)
Materials Processing



Porous Plastics

EDITOR JOHANNES KARL FINK

This book focuses on the issues of porous polymers as well as low molecular compounds that can be introduced in porous polymers. The book begins with a chapter about polymers that are used for porous materials. Here, among others, microporous polymer networks, hyper-crosslinked polymers, and rigid ladder-type porous polymers are detailed. Related issues are also detailed in the subsequent chapters. In the next chapter, the major synthesis methods for porous polymers are described. Then, the properties and material testing methods, such as standards, are described in a chapter. In the following chapters, special fields of applications of porous polymers are described in detail, such as: medical uses, thermal insulation, membranes, separation methods, and other fields of use.



SEPTEMBER 2022 432PP
978-1-119-89638-8 CL \$225.00 (Japan)
Porous Materials

ナノテクノロジー

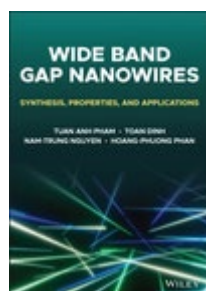
Wide Band Gap Nanowires

Nanosynthesis, Properties, and Applications

TUAN ANH PHAM, TOAN DINH, HOANG-PHUONG PHAN &
NAM-TRUNG NGUYEN**Comprehensive resource covering the synthesis, properties, and applications of wide band gap nanowires**

This book presents first-hand knowledge on wide band gap nanowires for sensor and energy applications. Taking a multidisciplinary approach, it brings together the materials science, physics and engineering aspects of wide band gap nanowires, an area in which research has been accelerating dramatically in the past decade. Written by four well-qualified authors who have significant experience in the field, sample topics covered within the work include:

- Nanotechnology-enabled fabrication of wide band gap nanowires, covering bottom-up, top-down and hybrid approaches
- Electrical, mechanical, optical, and thermal properties of wide band gap nanowires, which are the basis for realizing sensor and energy device applications
- Measurement of electrical conductivity and fundamental electrical properties of nanowires
- Applications of nanowires, such as in flame sensors, biological sensors, and environmental monitoring



For materials scientists, electrical engineers and professionals involved in the semiconductor industry, this book serves as a completely comprehensive resource to understand the topic of wide band gap nanowires and how they can be successfully used in practical applications.

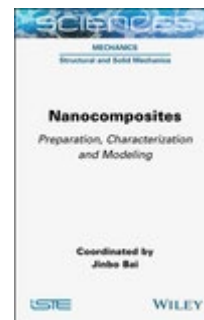
SEPTEMBER 2022 288PP
978-1-119-77437-2 CL \$185.00 (Japan)
Materials for Energy Systems

Nanocomposites

Preparation, Characterisation and Modeling

JINBO BAI

Nanocomposites are one of the major advances in the field of materials. They have applications in sectors as varied as aeronautics, energy and the environment. However, the effective use of nanocomposites requires new knowledge and tools in order to overcome the difficulties and benefit from the advantages.



Nanocomposites presents recent academic and industrial progress in this field, as well as the latest research on the effective use of nanoscale fillers and reinforcements to improve the performance of advanced nanocomposites. It also describes the techniques and tools used to prepare nanocomposites, including the latest techniques for synthesis and surface treatment of nanofillers for different applications. Finally, it details the role of nanoscience in the design, characterization and multi-scale modeling of these materials, with a focus on nanoscale phenomena.

SEPTEMBER 2022 272PP
978-1-78945-031-6 CL \$165.00 (Japan)
Nanotechnology General

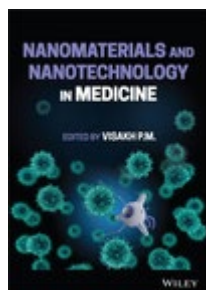
ナースィング

Nanomaterials and Nanotechnology in Medicine

EDITOR VISAKH P. M.

A comprehensive introduction to nanomaterials and their application in the field of medicine

The use of nanotechnology and nanomaterials more generally is an emerging field that has generated a lot of interest in the last few years. To this point, there have been few books that deal with the recent advances in nanomaterials or nanocomposites in the medical discipline.



Intended as a one-stop reference, *Nanomaterials and Nanotechnology in Medicine* provides the reader with the most-up-to-date and comprehensive exploration of the field of nanomedicine. The scope of the topic is huge, with nano applications in every medical specialization???from diagnostics to pharmaceuticals, from biological therapies to surgical devices, and from regenerative therapies to gene therapy. As such, this volume provides the most comprehensive coverage of this intriguing field of study.

Nanomaterials and Nanotechnology in Medicine readers will also find:

- An application-oriented book dedicated towards helping researchers find solutions to both fundamental and applied problems
- Chapters written by leading researchers from industry, academy, government, and private research institutions across the globe

Nanomaterials and Nanotechnology in Medicine is a useful reference for medical doctors, medical practitioners, post-doctoral research fellows, senior graduate students, and medical libraries.

SEPTEMBER 2022 592PP
978-1-119-55803-3 CL \$250.00 (Japan)
Nanomedicine

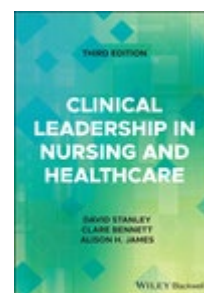
Clinical Leadership in Nursing and Healthcare

3rd Edition

EDITOR DAVID STANLEY, EDITOR CLARE BENNETT & EDITOR ALISON H. JAMES

Charles Sturt University, Australia

Clinical Leadership in Nursing and Healthcare offers a range of tools and topics that support and foster clinically focused nurses and other healthcare professionals to develop their leadership skills and strategies. The textbook is helpfully divided into three parts: information on the attributes of clinical leaders, the tools healthcare students and staff can use to develop their leadership potential and clinical leadership issues. It also outlines a number of principles, frameworks, and topics that support nurses and healthcare professionals to develop and deliver effective clinical care as clinical leaders. Lastly, each chapter has a range of reflective questions and self-assessments to help consolidate learning.



With expert input from a diverse collection of experienced contributors, *Clinical Leadership in Nursing and Healthcare* is an invaluable resource for new leaders trying to establish themselves and existing leaders looking to perform at a higher level when it comes to quality and effective patient care.

SEPTEMBER 2022 448PP
978-1-119-86934-4 PB \$40.00 (Japan)
NURSING MANAGEMENT & LEADERSHIP

物理学

The Nurse's Handbook of Spiritual Care

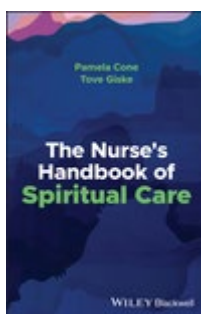
PAMELA CONE & TOVE GISKE

The Nurse's Handbook of Spiritual Care helps nurses develop a high level of competence in spiritual and existential care as an important part of holistic nursing.

Every patient and situation a nurse encounters is unique, and spiritual relationships can be expressed and met in a variety of ways. This handbook covers the fundamentals of spiritual care, written to inspire and challenge the reader. It provides a space for reflection and encourages lifelong learning. The authors present a new teaching-learning theory--the learning spiral--to enable and empower readers to tune in' to patients and work to soothe spiritual suffering and existential pain, ultimately facilitating patient well-being.

Sample topics covered in *The Nurse's Handbook of Spiritual Care* include:

- What is spiritual care, the spiritual as part of whole person care including existential challenges, value based matters, and religious considerations and practices
- Exercises to get better acquainted with yourself, such as working with your own view of life and personal story, and how to prepare yourself to go outside your comfort zone
- Spiritual care skills and competencies, features and qualifications of the helper, and moving from student to lifelong learning as a nurse



SEPTEMBER 2022 208PP
978-1-119-89077-5 PB \$54.95 (Japan)
Nursing Special Topics

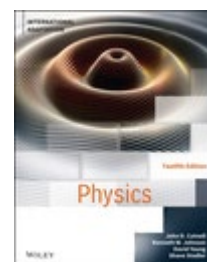
Physics

12th Edition, International Adaptation

JOHN D. CUTNELL, KENNETH W. JOHNSON, DAVID YOUNG & SHANE STADLER

Southern Illinois University at Carbondale; Southern Illinois University at Carbondale; Cytoclonal Pharmaceuticals Inc.

The newly revised Twelfth Edition of Cutnell's Physics delivers an effective and accessible introduction to college and university physics. It contains easy-to follow explanations of critical math and problem-solving concepts. From kinematics to work and energy, temperature, heat, electricity, magnetism and optics as well as foundational concepts in more advanced subjects like special relativity, Physics is the ideal introductory text for students from any background. The greatest strength of the text is the synergistic relationship it develops between problem solving and conceptual understanding. The book lays emphasis on building relevance of physics in day-to-day living and highlights the physics principles that come into play. A wide range of applications that are biomedical in nature and others that deal with modern technology.



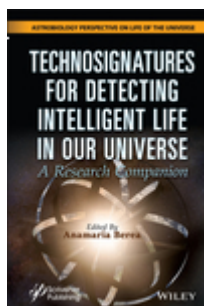
SEPTEMBER 2022 1120PP
978-1-119-82057-4 PB \$66.99 (Japan)
GENERAL PHYSICS

Technosignatures for Detecting Intelligent Life in Our Universe

A Research Companion

EDITOR ANAMARIA BEREÄ

This book summarizes the multiple interdisciplinary efforts that have contributed to the field of technosignatures. The technosignatures represent any signals that can be collected from the Universe, such as radio wavelengths, optical signals, and many more, that can be potential candidates as signals emitted intentionally from another part of the Universe that is not Earth. It shows how current advances in science, technology and social sciences can support this effort and can be used as both a resource for the scientists in the field and as a reference for the public at large interested in the topic. It includes novel research work from economics, forecasting and data sciences fields, as well as a deeper understanding of the role mass media and popular fiction has played into the evolution of this field.



SERIES: ASTROBIOLOGY PERSPECTIVES ON LIFE IN THE UNIVERSE

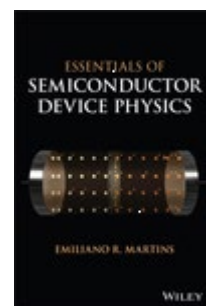
SEPTEMBER 2022 192PP
978-1-119-64040-0 CL \$195.00 (Japan)
Astronomy & Astrophysics

Essentials of Semiconductor Device Physics

EMILIANO MARTINS

An introductory semiconductor device physics textbook that is accessible to readers without a background in statistical physics

The subject of this book is the physics of semiconductor devices, which is an important topic in engineering and physics because it forms the background for electronic and optoelectronic devices, including solar cells. The author aims to provide students and teachers with a concise text that focuses on semiconductor devices and covers the necessary background in statistical physics.



This text introduces the key prerequisite knowledge in a simple, clear, and friendly manner. It distills the key concepts of semiconductor devices down to their essentials, enabling students to master this key subject in engineering, physics, and materials. The subject matter treated in this book is directly connected to the physics of p-n junctions and solar cells, which has become a topic of intense interest in the last decade.

For students and instructors, it may be used as a primary textbook for an introductory semiconductor device physics course and is suitable for a course of approximately 30-50 hours. Scientists studying and researching semiconductor devices in general, and solar cells in particular, will also benefit from the clear and intuitive explanations found in this book.

SEPTEMBER 2022 240PP
978-1-119-88411-8 PB \$69.95 (Japan)
Semiconductor Physics

哲学

String Theory For Dummies

2nd Edition

ANDREW ZIMMERMAN JONES, ANDERSON, UNITED STATES &
ALESSANDRO SFRONDRINI, PRINCETON, UNITED STATES

Physics Guide, About.com

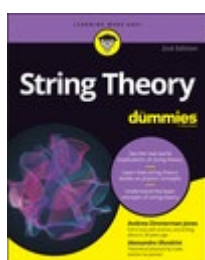
**Unravel the secrets of the universe
and untangle cutting-edge physics**

Yes, you actually can understand quantum physics! *String Theory For Dummies* is a beginner's guide, and we make it fun to find out about the all the recent trends and theories in physics, including the basics of string theory, with friendly explanations. Build a foundation of physics knowledge, understand the various string theories and the math behind them, and hear what the opponents to string theory have to say. It's an exciting time to be alive in advanced physics, and this updated edition covers what's new in the string world--the Large Hadron Collider, the Higgs Boson, gravitational waves, and lots of other big headlines. Unleash your inner armchair physicist with *String Theory For Dummies*.

- Brush up on the basics of physics and the approachable math needed to understand string theory
- Meet the scientists who discovered string theory and continue to make waves (and particles) in the physics world
- Understand what it's all about with real-world examples and explanations
- Learn why string theory is called "The Theory of Everything"--and what it means for technology and the future

Aspiring scientists or life-long learners will both be able to gain valuable information from this book. This accessible intro into string theory is for the theorists inside anyone.

SEPTEMBER 2022 400PP
978-1-119-88897-0 PB \$24.99 (Japan)
QUANTUM PHYSICS & FIELD THEORY

**Architecture of the Possible**

TRISTAN GARCIA, JEAN-MARIE DURAND, TRANSLATED BY JOG COGBURN, TRANSLATED BY CHRISTOPHER RAYALEXANDER & TRANSLATED BY ABIGAIL RAYALEXANDER

READERSHIP: Students and scholars of philosophy; general readers interested in contemporary philosophy and in the work of Tristan Garcia.

SEPTEMBER 2022 153PP
978-1-5095-5223-8 CL \$59.95 (Japan)
978-1-5095-5224-5 PB \$19.95 (Japan)
General Philosophy

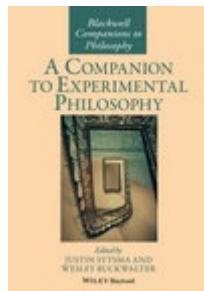


A Companion to Experimental Philosophy

EDITOR JUSTIN SYTSMA & EDITOR WESLEY BUCKWALTER

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

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



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

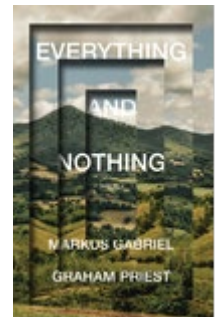
SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

SEPTEMBER 2022 648PP
978-1-119-09904-8 PB \$45.95 (Japan)
9781118661703 CL \$202.75 (Japan), Published May 2016
General Philosophy

Everything and Nothing

GRAHAM PRIEST & MARKUS GABRIEL

READERSHIP: Students and academics in philosophy, as well as general readers interested in current debates in philosophy and critical theory.



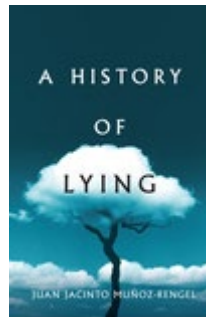
SEPTEMBER 2022 140PP
978-1-5095-3746-4 CL \$69.95 (Japan)
978-1-5095-3747-1 PB \$24.95 (Japan)
General Philosophy

A History of Lying

JUAN JACINTO MUÑOZ-RENGEL & TRANSLATED BY
THOMAS BUNSTEAD

READERSHIP: General readers
interested in philosophy,
literature and the human
condition

SEPTEMBER 2022 200PP
978-1-5095-5141-5 CL \$25.00 (Japan)
General Philosophy

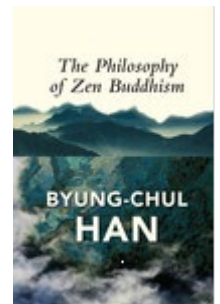


The Philosophy of Zen Buddhism

BYUNG-CHUL HAN & TRANSLATED BY DANIEL STEUER

READERSHIP: Students and scholars of
philosophy and theology; general
readers with an interest in philosophy
and religion

SEPTEMBER 2022 120PP
978-1-5095-4509-4 CL \$59.95 (Japan)
978-1-5095-4510-0 PB \$16.95 (Japan)
General Philosophy

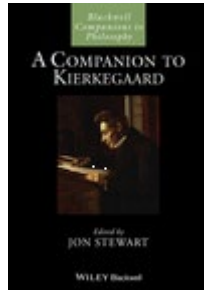


A Companion to Kierkegaard

EDITOR JON STEWART

University of Copenhagen, Denmark

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



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

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

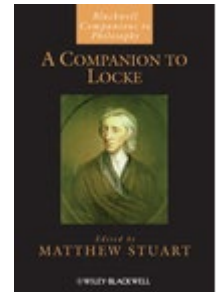
SEPTEMBER 2022 544PP
978-1-119-09012-0 PB \$45.95 (Japan)
9781118783818 CL \$202.75 (Japan) Published, DEC 2015
Continental Philosophy

A Companion to Locke

EDITOR MATTHEW STUART

Bowdoin College, USA

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



SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

SEPTEMBER 2022 544PP
978-1-119-10990-7 PB \$45.95 (Japan)
9781405178150 CL \$202.75 (Japan) Published, NOV 2015
17th & 18th Century Philosophy

The Blackwell Companion to Substance Dualism

EDITOR JONATHAN J. LOOSE, EDITOR ANGUS J. L. MENUGE &
EDITOR J. P. MORELAND

A groundbreaking collection of contemporary essays from leading international scholars that provides a balanced and expert account of the resurgent debate about substance dualism and its physicalist alternatives.

Substance dualism has for some time been dismissed as an archaic and defeated position in philosophy of mind, but in recent years, the topic has experienced a resurgence of scholarly interest and has been restored to contemporary prominence by a growing minority of philosophers prepared to interrogate the core principles upon which past objections and misunderstandings rest. As the first book of its kind to bring together a collection of contemporary writing from top proponents and critics in a pro-contra format, *The Blackwell Companion to Substance Dualism* captures this ongoing dialogue and sets the stage for rigorous and lively discourse around dualist and physicalist accounts of human persons in philosophy.

Chapters explore emergent, Thomistic, Cartesian, and other forms of substance dualism--broadly conceived--in dialogue with leading varieties of physicalism, including animalism, non-reductive physicalism, and constitution theory. Loose, Menuge, and Moreland pair essays from dualist advocates with astute criticism from physicalist opponents and vice versa, highlighting points of contrast for readers in thematic sections while showcasing today's leading minds engaged in direct debate. Taken together, essays provide nuanced paths of introduction for students, and capture the imagination of professional philosophers looking to expand their understanding of the subject.

Skillfully curated and in touch with contemporary science as well as analytic theology, *The Blackwell Companion to Substance Dualism* strikes a measured balanced between advocacy and criticism, and is a first-rate resource for researchers, scholars, and students of philosophy, theology, and neuroscience.

SERIES: BLACKWELL COMPANIONS TO PHILOSOPHY

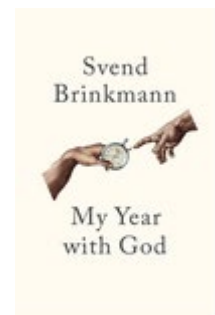
SEPTEMBER 2022 UnknownPP
978-1-119-69526-4 PB \$54.95 (Japan)
9781119375265 CL \$202.75 (Japan) Published April 2018
Philosophy of Mind

My Year with God

SVEND BRINKMANN & TRANSLATED BY TAM MCTURK

READERSHIP: A broad general readership interested in questions of philosophy, faith, and religion.

SEPTEMBER 2022 256PP
978-1-5095-5271-9 CL \$64.95 (Japan)
978-1-5095-5272-6 PB \$22.95 (Japan)
Philosophy of Religion



政治学

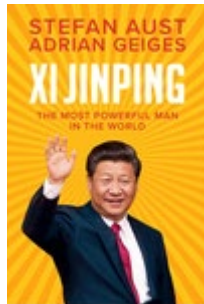
Xi Jinping

The Most Powerful Man in the World

STEFAN AUST & ADRIAN GEIGES

READERSHIP: Anyone interested in modern China and the man who leads it.

SEPTEMBER 2022 240PP
978-1-5095-5514-7 CL \$29.95 (Japan)
Comparative Politics

**Blue Labour**

The Politics of the Common Good

MAURICE GLASMAN

READERSHIP: General readers interested in British politics, the Labour Party, the future of the left, contemporary affairs; Labour Party MPs, members, and supporters.

SEPTEMBER 2022 200PP 978-1-5095-2886-8 CL
\$19.95 (Japan)
British Politics



My Secret Brexit Diary

A Glorious Illusion

MICHEL BARNIER & TRANSLATED BY ROBIN MACKAY

READERSHIP: General readers interested in British and European politics



SEPTEMBER 2022 480PP
978-1-5095-5494-2 PB \$24.95 (Japan)
9781509550869 CL \$35.00 (Japan) Published SEP 2021
British Politics

United Kingdom

ADRIAN BINGHAM

READERSHIP: Students of modern British history and British politics, as well as general current affairs readers.



SERIES: POLITY HISTORIES

SEPTEMBER 2022 256PP
978-1-5095-3755-6 CL \$59.95 (Japan)
978-1-5095-3756-3 PB \$14.95 (Japan)
British Politics

Climate Change and Political Theory

CATRIONA MCKINNON

READERSHIP: Students and scholars of political theory and philosophy, the politics of climate change, climate ethics and environmental ethics.



SERIES: AND POLITICAL THEORY

SEPTEMBER 2022 224PP
978-1-5095-2165-4 CL \$64.95 (Japan)
978-1-5095-2166-1 PB \$22.95 (Japan)
Political Philosophy & Theory

An Imaginary Racism

Islamophobia and Guilt

PASCAL BRUCKNER

READERSHIP: Students and scholars of political science and philosophy, as well as the interested general reader.



SEPTEMBER 2022 224PP
978-1-5095-5490-4 PB \$16.95 (Japan)
9781509530649 CL \$35.00 (Japan) Published SEP 2018
Political Philosophy & Theory

心理学

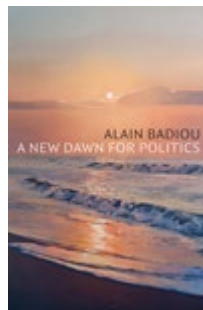
A New Dawn for Politics

ALAIN BADIOU & TRANSLATED BY ROBIN MACKAY

l'Ecole normale superieure

READERSHIP: General readers interested in radical politics, critical theory contemporary philosophy; followers of Badiou.

SEPTEMBER 2022 150PP
978-1-5095-5300-6 CL \$45.00 (Japan)
978-1-5095-5301-3 PB \$12.95 (Japan)
Political Philosophy & Theory

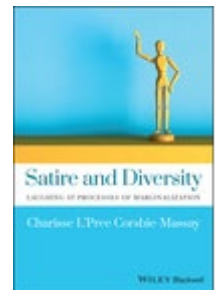
**Diversity and Satire**

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.

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

Facilitating Desistance from Aggression and Crime

Theory, Research, and Strength-Based Practice

EDITOR CALVIN M. LANGTON & EDITOR JAMES R. WORLING

Desistance from crime is among the most pressing criminological issues for criminal justice practitioners and policymakers, but strangely is under the radar of many scholars. Until now. In their superlative edited volume, Calvin Langton and James Worling have assembled an international team of experts who present timely information on conceptual, aggression, conduct problems, delinquency, sexual offending, and violent crime. Interdisciplinary, engaging, and balanced in its approach, *The Wiley Handbook of Facilitating Desistance from Aggression and Crime: Theory, Research, and Strength-Based Practices* is an indispensable resource for practitioners and academicians.



SERIES: WILEY CLINICAL PSYCHOLOGY HANDBOOKS

SEPTEMBER 2022 512PP
978-1-119-16646-7 CL \$195.00 (Japan)
Forensic Psychology

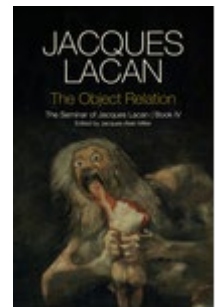
The Object Relation

The Seminar of Jacques Lacan, Book IV

JACQUES LACAN & TRANSLATED BY ADRIAN PRICE

READERSHIP:

Students and scholars in psychoanalysis, critical theory, feminism, gender studies, literary theory, cultural theory, 20th-century French philosophy, sociology and social theory; professionals and practitioners in psychoanalysis and psychotherapy.



SEPTEMBER 2022 480PP
978-0-7456-6036-3 PB \$26.95 (Japan)
9780745660356 CL \$45.00 (Japan) Published, FEB2021
Psychoanalysis

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

Guidelines and Clinical Protocols for Health Professionals

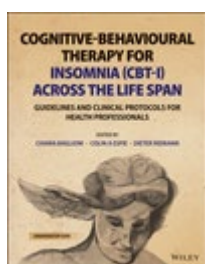
DIETER RIEMANN, COLIN A ESPIE & CHIARA BAGLIONI

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.



SEPTEMBER 2022 288PP
978-1-119-78513-2 PB \$49.95 (Japan)
Cognitive Behavioral Therapy (CBT)

Poly(lactic acid)

Synthesis, Structures, Properties, Processing, Applications, and End of Life, 2nd Edition

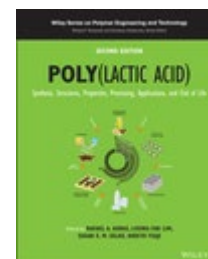
EDITOR RAFAEL A. AURAS, EDITOR LOONG-TAK LIM, EDITOR SUSAN E. M. SELKE & EDITOR HIDETO TSUJI

The second edition of a key reference, fully updated to reflect new research and applications

Poly(lactic acid) -- PLA, biodegradable polymers derived from lactic acid, have become vital components of a sustainable society. Eco-friendly PLA polymers are used in numerous industrial applications ranging from packaging applications to medical implants and to wastewater treatment. The global PLA market is predicted to expand significantly over the next decade due to increasing demand for compostable and recyclable materials produced from renewable resources.

Poly(lactic acid) Synthesis, Structures, Properties, Processing, Applications, and End of Life provides comprehensive coverage of the basic chemistry, production, and industrial use of PLA. Contributions from an international panel of experts review specific processing methods, characterization techniques, and various applications in biomedicine, textiles, packaging, and environmental engineering. Now in its second edition, this fully up-to-date volume features new and revised chapters on 3D printing, the mechanical and chemical recycling of PLA, PLA stereocomplex crystals, PLA composites, the environmental footprint of PLA, and more.

Poly(lactic acid) Synthesis, Structures, Properties, Processing, Applications, and End of Life, Second Edition remains essential reading for polymer engineers, materials scientists, polymer chemists, chemical engineers, industry professionals using PLA, and scientists and advanced students engineers interested in biodegradable plastics.



SERIES: WILEY SERIES ON POLYMER ENGINEERING AND TECHNOLOGY

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POLYMER PROCESSING

Functional Biomaterials

Design and Development for Biotechnology, Pharmacology, and Biomedicine, 2 Volumes

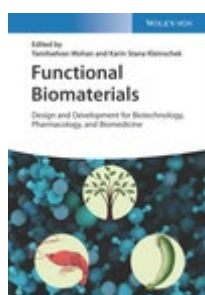
EDITOR TAMILSELVAN MOHAN & EDITOR KARIN STANA KLEINSCHKE

A succinct handbook explaining interdisciplinary processing, methods, and applications of bio-based materials

This book merges the two most important trends in biomaterials: functionalization and renewable chemistry. It covers a variety of biopolymers and various approaches for the transformation of these biopolymers into functional units. Sample topics covered by the two well-qualified authors include:

- Fundamental knowledge of biopolymers--natural ones, such as cellulose and other polysaccharides, and synthetic ones, such as polyethylene
- The origin, classifications, chemical nature, and isolation methods of specific biopolymers
- The different classical and modern approaches for the transformation of biopolymers into different shapes, ranging from thin films (model surfaces), to nanoparticles, to nanofibers, all the way to 3D scaffolds
- The morphology, structure, shape, thermal, electrical, and surface properties of biomaterials

This all-inclusive reference guide, which covers fundamentals, methods, and applications alike, is a key resource for both students and practicing scientists involved in programs of study or disciplines that intersect with the field of biomaterials.



SEPTEMBER 2022 624PP
978-3-527-34771-1 CL \$230.00 (Japan)
Biopolymers

The Wiley Blackwell Companion to Religion and Peace

EDITOR JOLYON MITCHELL, EDITOR SUZANNA R. MILLAR, EDITOR FRANCESCA PO & EDITOR MARTYN PERCY

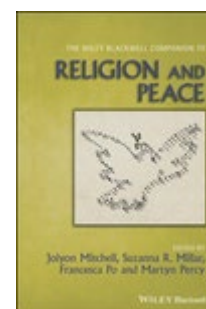
University of Edinburgh, UK; University of Edinburgh, UK; Mater Dei High School, Santa Ana, USA; University of Oxford, UK

Incisive contributions from leading and emerging scholars in the field of Peace Studies

In the *Wiley Blackwell Companion to Religion and Peace*, a team of renowned scholars delivers an authoritative and interdisciplinary sourcebook that addresses the key concepts, history, theories, models, resources, and practices in the complex and ambivalent relationship between religion and peace. The editors have included contributions from a wide range of perspectives and locations that reflect diverse methods and approaches.

The *Companion* provides a collection grounded in experience and context that draws on established, developing, and new research characterized by academic rigor. The differences between the approaches taken by several religious traditions are fully explored and numerous case studies highlight relevant theories, models, and resources.

Perfect for students and scholars of peacemaking, peacekeeping, and peace building, the *Wiley Blackwell Companion to Religion and Peace* will also earn a place in the libraries of anyone professionally or personally interested in the field of Peace or Religious Studies, International Relations, History, Politics, or Theology.



SERIES: WILEY BLACKWELL COMPANIONS TO RELIGION

SEPTEMBER 2022 640PP
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Religion & Politics

セルフヘルプ

Diary of a Brilliant Kid: Top Secret Guide to Awesomeness Set

ANDY COPE, GAVIN OATTES & WILL HUSSEY

Member, District of Columbia Bar

SEPTEMBER 2022 240PP
978-0-85708-948-9 PB \$22.50 (Japan)
General Self-Help

リレーションシップ

Planning A Wedding For Dummies

SARAH LIZABETH BARKER, COLLEGE GROVE, UNITED STATES

Let Dummies be your wedding planner and get hitched without a hitch

Planning A Wedding For Dummies covers everything you need to know to pull off the perfect celebration on your big day. This book even makes it fun! We take the stress out of wedding planning, simplifying the whole process and giving you the tools you need to plan and execute a memorable day. Send out those save-the-dates, manage any crisis that might arise on the day of, and everything in between. Dummies has your back.



This friendly For Dummies book is your guide on the exciting journey of planning all the events leading up to the wedding, as well as post-wedding activities. *Planning A Wedding For Dummies* includes tips and checklists to keep you organized, whether you'll have 10 guests or 1,000 guests.

- Break down the wedding planning process into simple steps, so you can stay on track
- Laugh along as you read stories about real-life couples who have gone before you and gain insight into wedding day outcomes and scenarios
- Keep everything in perspective to keep your wedding stress-free
- Find worksheets and checklists to help you through budgeting and beyond

With this perfect guide, you can plan a perfect wedding--and say "I do" on the best day of your life!

SEPTEMBER 2022 400PP
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Relationships

社会学

My Life in Fragments

ZYGMENT BAUMAN & IZABELA WAGNER

Universities of Leeds and Warsaw

READERSHIP: Students and academics in sociology and the social sciences and humanities, and interested general readers.

SEPTEMBER 2022 200PP
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General Sociology

**Social Control**

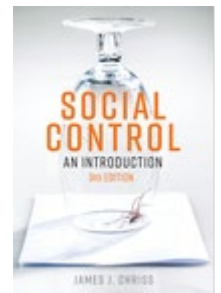
An Introduction, 3rd Edition

JAMES J. CHRISS

Cleveland State University

READERSHIP: upper-level undergraduates and above taking courses in social control and deviance, medical sociology, the sociology of law, and criminology.

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SOCIOLOGY OF LAW



統計学

The Spirit of Digital Capitalism

JENNY HUBERMAN

READERSHIP: advanced students and scholars of political economy, economic sociology, economic anthropology and digital technology



SEPTEMBER 2022 224PP
978-1-5095-5395-2 CL \$64.95 (Japan)
978-1-5095-5396-9 PB \$24.95 (Japan)
Sociology of Economics

Introduction to Linear Regression Analysis

Book + Solutions Manual Set, 6th Edition

DOUGLAS C. MONTGOMERY, UNITED STATES

Georgia Institute of Technology

A comprehensive and up-to-date introduction to the fundamentals of regression analysis This set includes

Introduction to Linear Regression

Analysis, Sixth Edition and the

Solutions Manual to accompany the



text. This book continues to present both the conventional and less common uses of linear regression in today's cutting-edge scientific research. The authors blend both theory and application to equip readers with an understanding of the basic principles needed to apply regression model-building techniques in various fields of study, including engineering, management, and the health sciences. *Introduction to Linear Regression Analysis* is an excellent book for statistics and engineering courses on regression at the upper-undergraduate and graduate levels. The book also serves as a valuable, robust resource for professionals in the fields of engineering, life and biological sciences, and the social sciences.

SEPTEMBER 2022 944PP
978-1-119-57871-0 CL \$159.95 (Japan)
REGRESSION ANALYSIS

(本冊は2021年の既刊本となります)

The R Book

3rd Edition

ELINOR JONES, SIMON HARDEN & MICHAEL J. CRAWLEY

Imperial College of Science, Technology and Medicine, UK

A start-to-finish guide to one of the most useful programming languages for researchers in a variety of fields

In the newly revised Third Edition of *The R Book*, a team of distinguished teachers and researchers delivers a user-friendly and comprehensive discussion of foundational and advanced topics in the R software language, which is used widely in science, engineering, medicine, economics, and other fields. The book is designed to be used as both a complete text--readable from cover to cover--and as a reference manual for practitioners seeking authoritative guidance on particular topics.

This latest edition offers instruction on the use of the RStudio GUI, an easy-to-use environment for those new to R. It provides readers with a complete walkthrough of the R language, beginning at a point that assumes no prior knowledge of R and very little previous knowledge of statistics. Readers will also find:

- A thorough introduction to fundamental concepts in statistics and step-by-step roadmaps to their implementation in R;
- Comprehensive explorations of worked examples in R;
- A complementary companion website with downloadable datasets that are used in the book;
- In-depth examination of essential R packages.

Perfect for undergraduate and postgraduate students of science, engineering, medicine economics, and geography, *The R Book* will also earn a place in the libraries of social sciences professionals.

SEPTEMBER 2022 896PP
978-1-119-63432-4 CL \$104.00 (Japan)
STATISTICAL SOFTWARE / R

Introduction to Logistics Systems Management

With Microsoft® Excel® and Python examples
3rd Edition

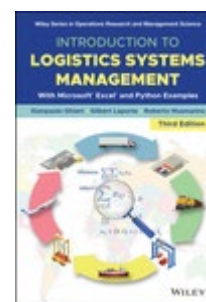
GIANPAOLO GHIANI, GILBERT LAPORTE & ROBERTO MUSMANNO

University of Lecce, Italy; HEC Montr?al, 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

SEPTEMBER 2022 608PP
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QUALITY, PRODUCTIVITY & RELIABILITY

テストプレップ

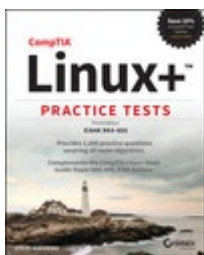
CompTIA Linux+ Practice Tests

Exam XK0-005, 3rd Edition

STEVE SUEHRING

The best test preparation resource for the CompTIA Linux+ certification exam

In the newly updated Third Edition of *CompTIA Linux+ Practice Tests: Exam XK0-005*, veteran Linux expert, Steve Suehring, delivers an instructive set of practice questions written to get you ready to ace the new XK0-005 test. Providing hundreds of domain-by-domain questions covering system management, security, scripting, containers, automation, and troubleshooting, the book helps you prepare for the exam with confidence and efficiency.



You'll be able to pinpoint those areas you've mastered and those which require more study, as well as get a feel for the structure of the test itself. The book also offers:

- Hundreds of practice questions that reinforce your skills and knowledge
- A great way for practicing and aspiring Linux network and system administrators to improve their on-the-job skills
- One year of complimentary access after activation to the online Sybex test bank, where you can study and work through hundreds of questions

An indispensable resource for anyone preparing for the CompTIA Linux+ exam, *CompTIA Linux+ Practice Tests: Exam XK0-005, Third Edition*, is also a must-have for new and experienced sysadmins and network administrators seeking to identify areas of strength and weakness and improve their grasp of Linux systems.

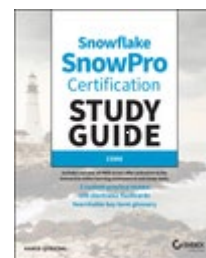
SEPTEMBER 2022 272PP
978-1-119-87961-9 PB \$45.00 (Japan)
CERTIFICATION (MSCE, NOVELL, ETC.)

Snowflake SnowPro Core Certification Study Guide

HAMID QURESHI

Prepare smarter, faster, and better with the premier study guide for Snowflake SnowPro Core certification

Snowflake, a cloud-based data warehousing platform, has steadily gained popularity since its 2014 launch. Snowflake offers several certification exams, of which the SnowPro Core certification is the foundational exam. The SnowPro Core Certification validates an individual's grasp of Snowflake as a cloud data warehouse, its architectural fundamentals, and the ability to design, implement, and maintain secure, scalable Snowflake systems.



The *Snowflake SnowPro Core Certification Study Guide* delivers comprehensive coverage of every relevant exam topic on the Snowflake SnowPro Core Certification test. Prepare efficiently and effectively for the exam with online practice tests and flashcards, a digital glossary, and concise and easy-to-follow instruction from the subject-matter experts at Sybex. You'll gain the necessary knowledge to help you succeed in the exam and will be able to apply the acquired practical skills to real-world Snowflake solutions.

Perfect for anyone considering a new career in cloud-based data warehouse solutions and related fields, *Snowflake SnowPro Core Certification Study Guide* is also a must-read for veteran database professionals seeking an understanding of one of the newest and fastest-growing niches in data.

SEPTEMBER 2022 300PP
978-1-119-82444-2 PB \$60.00 (Japan)
Certification (MSCE, Novell, etc.)

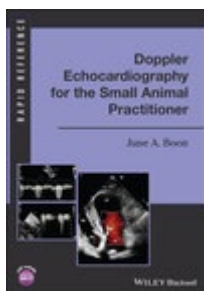
獣医学

Doppler Echocardiography for the Small Animal Practitioner

JUNE A. BOON

Colorado State University, Fort Collins, CO.

Doppler Echocardiography for the Small Animal Practitioner provides a clinically oriented quick reference to using color flow and spectral Doppler to interpret echocardiographic findings, enabling readers to learn and apply these techniques and acquire background knowledge of technical factors affecting diagnostic color and spectral Doppler. Practically, the text also serves as a quick checklist for the Doppler features of commonly acquired cardiac diseases in the dog and cat. To aid in reader comprehension, the text contains color images and video clips to support the descriptions.



This handbook is not intended as a comprehensive explanation of the echocardiographic features associated with heart disease in animals. Rather, it is intended as the next step for the general practitioner and the non-cardiac specialist that have learned to acquire diagnostic 2D and M-Mode echocardiographic studies.

Doppler Echocardiography for the Small Animal Practitioner is a highly valuable resource and practical guide for all professionals in the field who have learned to acquire diagnostic 2D and M-Mode echocardiographic studies and now need to understand how to learn and apply these techniques in a myriad of practical applications.

SERIES: RAPID REFERENCE

SEPTEMBER 2022 UnknownPP
978-1-119-73017-0 PB \$114.99 (Japan)
Veterinary Internal Medicine

Feline Emergency and Critical Care Medicine

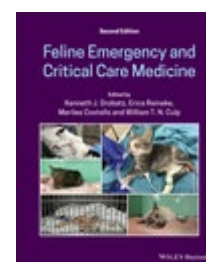
2nd Edition

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

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

A concise and practical quick reference for veterinary practitioners dealing with feline emergencies

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

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.

SEPTEMBER 2022 576PP
978-1-119-56587-1 CL \$149.99 (Japan)
VETERINARY EMERGENCY & CRITICAL CARE

Textbook of Zoonoses

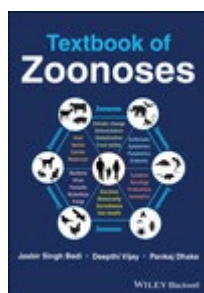
JASBIR SINGH BEDI, DEEPTHI VIJAY & PANKAJ DHAKA

Comprehensive resource covering the aetiology, epidemiology and transmission cycle, clinical symptoms, diagnosis, and prevention and control strategies of the important zoonoses.

Zoonoses are the diseases which can spread from animals to humans. This book covers all important zoonoses that are prevalent in today's world. As a modern learning resource, it incorporates recent scientific developments and concepts to give readers a complete overview of each zoonoses. Written by three well-qualified authors in academia, sample topics covered within the book include:

- Bacterial, viral, parasitic, rickettsial, fungal, prion, and foodborne zoonoses
- Aetiology and epidemiology of each zoonotic disease
- Clinical symptoms and diagnosis in animals and humans
- Treatment options, plus prevention and control strategies
- CDC classification of zoonotic agents and the WHO's list of neglected zoonoses'

Written for undergraduate and postgraduate students studying veterinary public health and epidemiology, *Textbook of Zoonoses* is also a helpful resource for other veterinary and medical professionals interested in public health and epidemiology.



SEPTEMBER 2022 308PP
978-1-119-80951-7 PB \$160.00 (Japan)
Veterinary Microbiology, Parasitology, Infectious Diseases & Immun

Veterinary Microbiology

4th Edition

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

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

SEPTEMBER 2022 864PP
978-1-119-65075-1 CL \$199.99 (Japan)
VETERINARY MICROBIOLOGY, PARASITOLOGY, INFECTIOUS DISEASES & IMMUN

Clinical Atlas of Canine and Feline Ophthalmic Disease

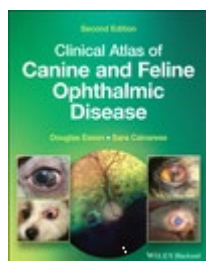
2nd Edition

DOUGLAS W. ESSON & SARA CALVARESE

Clinical Atlas of Canine and Feline Ophthalmic Disease is a practical and user-friendly reference of common ocular diseases and conditions. Maintaining an image-heavy approach, the book presents multiple high-quality color photographs to depict each condition and is carefully organized to make it easy to find information. Sample topics included in the significantly expanded and updated new edition include:

- Basic ophthalmic anatomy & physiology
- Normal anatomical variations
- The ocular examination
- Basic ophthalmic pharmacology
- Diseases of the globe & orbit
- Diseases of the conjunctiva, nasolacrimal system & third eyelid

Veterinary and animal science students, general canine and feline practitioners as well as interns, residents and specialists in a variety of areas can use this easily-accessible reference work to gain insight into a wide variety of ocular diseases affecting dogs and cats.



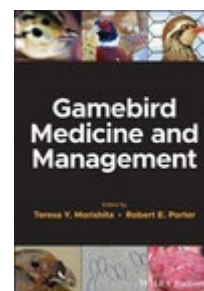
SEPTEMBER 2022 UnknownPP
978-1-119-66584-7 CL \$179.99 (Japan)
VETERINARY OPHTHALMOLOGY

Gamebird Medicine and Management

EDITOR TERESA Y. MORISHITA & EDITOR ROBERT E. PORTER

Western University College of Veterinary Medicine, Pomona, California, USA

In *Gamebird Medicine and Management*, a team of distinguished professionals deliver a comprehensive discussion of gamebirds and exhibition Galliformes for veterinary practitioners, gamebird producers, breeders and conservationists, as well as other avian health professionals. The book covers common diseases affecting gamebirds and offers management and production information not found in other resources.



The authors combine relevant material from avian veterinarians, commercial production professionals, and experts from the conservation and captive breeding sectors, that enables veterinarians, gamebird producers, and conservationists to develop diagnostic and treatment plans for small or large gamebird flocks.

Readers will also find:

- Thorough introductions to laws and regulations governing gamebirds in the United States
- In-depth examinations of the anatomy and physiology of gamebirds
- Comprehensive explorations of the medical management of gamebirds
- Information on treating dermatological, musculoskeletal, neurological, digestive, and respiratory diseases affecting gamebirds
- A practical, step-by-step necropsy guide
- An engaging photo collection of gamebird and exhibition Galliformes diseases

Perfect for veterinary practitioners, gamebird producers, and conservationists, *Gamebird Medicine and Management* will also earn a place in the libraries of zoo veterinarians and staff.

SEPTEMBER 2022 384PP
978-1-119-71221-3 PB \$159.99 (Japan)
Veterinary Medicine / Birds

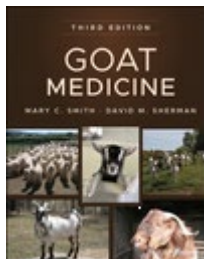
Goat Medicine

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.

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.

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

Atlas of Equine Ultrasonography

2nd Edition

JESSICA A KIDD, KRISTINA G LU & MICHELE L FRAZER

Ultrasonography is a vital diagnostic tool that can be applied in numerous functions in a veterinary practice. In conjunction with relevant clinical information--patient history and physical examination findings, for example--it can act as an important aid in the veterinarian's decision-making process. Many vets in equine practice rely upon ultrasonography as a mainstay of equine diagnostic imaging on a wide range of structures and body systems. Ultrasonography is a useful procedure that is non-invasive and acts in complement to radiography to successfully diagnose the animal's condition. This book's aim is to encourage the clinician to rely further on the use of ultrasonography in their practice.

The second edition of *Atlas of Equine Ultrasonography* provides an updated and expanded revision of the first atlas of ultrasonography in the horse. The first edition of this important resource was the first pictorially-based book to cover ultrasonography in the horse, and remains the only book currently available on the subject. The current version offers 450 additional images with greater clarity and precision in the images throughout and demonstrates how to obtain images in each body region while offering clinical ultrasonograms that show pathology.

Atlas of Equine Ultrasonography readers will also find:

- High-quality clinical ultrasonograms for important musculoskeletal, reproductive, and medical conditions in the horse
- More than 1,500 images, with accompanying concise text describing the images
- A companion website that provides video clips showing dynamic ultrasound exams

Atlas of Equine Ultrasonography is an invaluable reference to any veterinarian evaluating ultrasonograms in equine patients. As a result, this book will be of particular interest to equine specialists, veterinary radiologists, equine practitioners, and veterinary students.

SEPTEMBER 2022 656PP
978-1-119-51472-5 CL \$205.00 (Japan)
VETERINARY MEDICINE - EQUINE

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