

# JAPAN PREVIEW

January 2022



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WILEY

**PICK OF THE MONTH ~ 今月のお勧めタイトル****Wiley's CPA 2022 Study Guide + Question Pack: Complete Set**

→P8

**The Joe Biden Way: How to Become a Bold and Empathic Leader**

JEFFREY A. KRAMES

→P14

**Analysis of Enzyme Reaction Kinetics, 2 Volume Set**

F. XAVIER MALCATA, Instituto Superior da Maia

→P21

**Polar Organometallic Reagents: Synthesis, Structure, Properties and Applications**

EDITOR ANDREW WHEATLEY &amp; EDITOR MASANOBU UCHIYAMA (東京大学 内山真伸教授)

→P28

**Solid State Chemistry and its Applications, 2nd Edition**

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**A Companion to the Political Culture of the Roman Republic**

VALENTINA ARENA &amp; JONATHAN R. W. PRAG, University College London; University of Oxford

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BABU PADULLAPARTHI DAYAL, JIM TATUM &amp; KENICHI IGA (東京工業大学 伊賀健一名誉教授)

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**Phosphors for Radiation Detectors**

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→P69

**Schalm's Veterinary Hematology, 7th Edition**

EDITOR MARJORY BROOKS, KENDAL E. HARR, DAVIS SEELIG, K JANE WARDROP &amp; DOUGLAS J. WEISS

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## JAPAN PREVIEW

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## 会計学

**Wiley CMAexcel Learning System Exam Review 2021: Complete Set (2-year access)**

WILEY

John Wiley &amp; Sons, Inc.

JANUARY 2022 UnknownPP  
978-1-119-85011-3 PB \$900.00 (Japan)  
Corporate / Managerial Accounting

**Wiley CMA Exam Review 2022 Part 1 Study Guide: Financial Planning, Performance, and Analytics Set (1-year access)**

JANUARY 2022 UnknownPP 978-1-119-85019-9 PB \$600.00 (Japan)

**Wiley CMA Exam Review 2022 Part 2 Study Guide: Strategic Financial Management Set (1-year access)**

JANUARY 2022 UnknownPP 978-1-119-85020-5 PB \$600.00 (Japan)

**Wiley's CPA 2022 Study Guide + Question Pack: Complete Set**

WILEY

John Wiley &amp; Sons, Inc.



JANUARY 2022 UnknownPP  
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CPA / Review

**Wiley's CPA 2022 Study Guide + Question Pack: Auditing**

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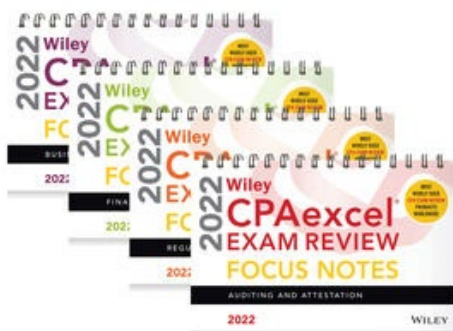


## 農業

## Wiley's CPA 2022 Focus Notes: Complete Set

WILEY

John Wiley &amp; Sons, Inc.

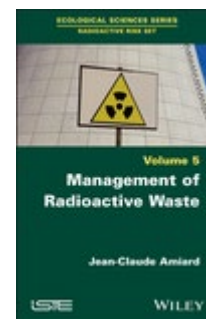


JANUARY 2022 UnknownPP  
 978-1-119-85243-8 PB \$300.00 (Japan)  
 CPA / Review

## Management of Radioactive Waste

JEAN-CLAUDE AMIARD

The classification of radioactive waste varies from state to state. This results in different management procedures for each country, while following IAEA and OECD/NEA recommendations.



Radioactive waste comes from numerous sources. The largest volumes are generated by the decommissioning and dismantling of nuclear facilities. Long-lived, medium- and high-activity waste -- categorized as the most hazardous types of waste -- are in fact largely produced by nuclear power reactors, spent fuel reprocessing plants and nuclear accidents.

Final disposal of very low-activity, low-activity and very short-lived waste is well controlled. However, final solutions for certain categories, including long-lived waste, sorted waste and spent graphite waste, are not yet in place.

*Management of Radioactive Waste* reviews all the possible solutions and presents those chosen by the various states, including a chapter detailing policy on radioactive waste management, taking France as an example.

JANUARY 2022 272PP  
 978-1-78630-722-4 CL \$165.00 (Japan)  
 Agriculture & Ecology

## 建築学

**Building Codes Illustrated**

A Guide to Understanding the 2021 International Building Code, 7th Edition

FRANCIS D. K. CHING, SEATTLE & STEVEN R. WINKEL, SAN FRANCISCO

**STAY INFORMED OF THE LATEST UPDATES TO THE INTERNATIONAL BUILDING CODE WITH THE LEADING VISUAL REFERENCE**

In the newly revised Seventh Edition of *Building Codes Illustrated: A Guide to Understanding the 2021 International Building Code*, architectural drawing expert Francis D.K. Ching and well known architect -Steven R. Winkel deliver a beautifully illustrated and intuitively written handbook for the 2021 International Building Code (IBC). The authors provide brand new chapters on plumbing fixture counts, elevators, special construction, and existing buildings while updating the remainder of the material to align with recent changes to the IBC.

Easy to navigate and perfect as a quick-reference guide to the IBC, *Building Codes Illustrated* is a valuable visual resource for emerging professionals.

The book also includes:

- Thorough introductions to navigating the Code, use and occupancy, special uses and occupancies, and building heights and areas
- Full explorations of the types of construction, fire resistive construction, interior finishes, fire-protection systems, and means of egress
- Practical discussions of accessibility, interior environment, exterior walls, roof assemblies, and structural provisions
- In-depth examinations of special inspections and tests, soils and foundations, building materials and systems, and elevators

Perfect for students of architecture, interior design, construction, and engineering, the latest edition of *Building Codes Illustrated* is also ideal for professionals in these fields seeking an up-to-date reference on the 2021 International Building Code.

SERIES: BUILDING CODES ILLUSTRATED

JANUARY 2022 528PP  
978-1-119-77240-8 PB \$67.50 (Japan)  
BUILDING DESIGN

**Designing with Light**

The Art, Science, and Practice of Architectural Lighting Design, 2nd Edition

JASON LIVINGSTON

**The new edition of the popular introduction to architectural lighting design, covering all stages of the lighting design process**

*Designing with Light: The Art, Science, and Practice of Architectural Lighting Design, Second Edition*, provides students and professionals alike with comprehensive understanding of the use of lighting to define and enhance a space. This accessible, highly practical textbook covers topics such as the art and science of color, color rendering and appearance, lighting control systems, building codes and standards, and sustainability and energy conservation. Throughout the text, accomplished lighting designer and instructor Jason Livingston offers expert insights on the use of color, the interaction between light and materials, the relation between light, vision, and psychology, and more.

Fully revised and updated throughout, the second edition features new chapters on design thinking, common lighting techniques, and lighting economics. Expanded sections on aesthetics, controlling LEDs, light, and health, designing with light, and color mixing luminaires are supported by new case studies, examples, and exercises.

Includes an instructor resource site with PowerPoint presentations, test questions, and suggested assignments for each chapter, and also a student site with flashcards, self-evaluation tests, and helpful calculators. *Designing with Light: The Art, Science, and Practice of Architectural Lighting Design, Second Edition* is perfect for architecture, interior design, and electrical engineering programs that include courses on lighting design, as well as professionals looking for a thorough and up-to-date desk reference.



JANUARY 2022 432PP  
978-1-119-80778-0 PB \$74.95 (Japan)  
INTERIOR DESIGN

## ビジネス

**Residential Interior Design**

A Guide to Planning Spaces, 4th Edition

MAUREEN MITTON, HUDSON & COURTNEY NYSTUEN,  
UNIVERSITY OF WISCONSIN STOUTUniversity of Wisconsin-Stout, Menomonie, WI; University of  
Wisconsin-Stout, Menomonie, WI

Discover a practical guide to  
residential space planning, in this  
room-by-room guide with  
up-to-date info on accessibility,  
ergonomics, and building systems

In the newly revised Fourth Edition of *Residential Interior Design: A Guide to Planning Spaces*, an accomplished team of design professionals delivers the gold standard in practical, human-centered residential interior design. Authors Maureen Mitton and Courtney Nystuen explore every critical component of interior architecture from the perspective of ergonomics and daily use.



The text functions as a guide for interior design students and early-career professionals seeking a handbook for the design of livable, functional, and beautiful spaces. It includes hundreds of drawings and photographs that illustrate key concepts in interior design, as well as room-by-room coverage of applicable building codes and sustainability standards. The authors also cover all-new applications of smart building technology and updated residential building codes and accessibility standards.

The latest edition of *Residential Interior Design: A Guide to Planning Spaces* is ideal for instructors and students in interior design programs that include interior design, residential design, or residential interior architecture courses. This edition provides updated content related to CIDA standards in human centered design, regulations and guidelines, global context, construction, environmental systems, and human wellbeing. It's also an indispensable resource for anyone preparing for the NCIDQ, the interior design qualification exam.

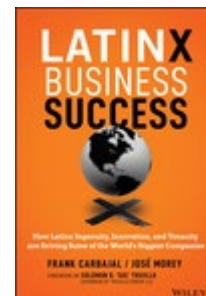
JANUARY 2022 304PP  
978-1-119-65342-4 PB \$67.50 (Japan)  
INTERIOR DESIGN

**Latinx Business Success**How Latinx Ingenuity, Innovation, and Tenacity are  
Driving Some of World's Biggest Companies

FRANK CARBAJAL &amp; JOSE MOREY

An inspiring new message of resilient  
leadership

*Latinx Business Success* delivers a powerful and inspiring message of Latinx leadership. Via interviews with many of the most accomplished Latin business leaders in the United States, authors Frank Carbajal and José Morey offer readers a full picture of what it takes to succeed in modern leadership and how to close the digital divide that keeps Latinx people underrepresented in positions of authority.



The book explores the authors' DIGITAL framework--which includes the principles of Decision, Intelligence, Game Plan, Insight, Technology, Abundance, and Leverage--and explains how each element of the system contributes to leadership success for current and aspiring Latinx leaders.

Readers will also find:

- Interviews with renowned and accomplished leaders from the Latinx community, including Ramiro Cavazos, President and CEO of the US Hispanic Chamber of Commerce, Esther Aguilera, President & CEO at Latino Corporate Directors Association (LCDA), and Silvina Moschini, Executive Producer at The Unicorn Hunters Show, and Co-founder, President, & Chairwoman of the Board of Transparent Business.
- Discussions of what it means to achieve a truly diverse and inclusive society and how we'll know when we've realized that goal
- Coverage of a wide variety of industry sectors, including healthcare, media, education, finance, tech, and athletics

Perfect for managers, executives, and business leaders of all kinds who seek a new and refreshing perspective on leadership, *Latinx Business Success* is also required reading for any member of the Latinx community who hopes to make innovative contributions to the business world.

JANUARY 2022 288PP  
978-1-119-84081-7 CL \$28.00 (Japan)  
Business Self-Help

## Success From Anywhere

Create Your Own Future of Work from the Inside Out

KAREN MANGIA

*How soon could you share with us what's next--what we need to plan for--beyond working from home?* This is the question people are asking their employers and decision makers about the future of work. What is next, and how do we thoughtfully prepare for it? These questions are the focus of Karen Mangia's new book *Success From Anywhere*. One year after the release of her first book *Working From Home, Returning to Work* offers a "one year later" snapshot of the future of work. The future of work is not a return to the past and *Returning to Work* charts a path forward.



JANUARY 2022 192PP  
978-1-119-83462-5 CL \$22.00 (Japan)  
Business Self-Help

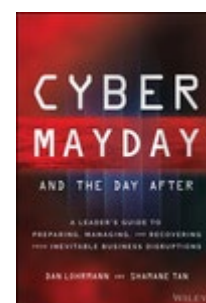
## Cyber Mayday and the Day After

A Leader's Guide to Preparing, Managing, and Recovering from the Inevitable

DANIEL LOHRMANN & SHAMANE TAN

Digital transformation and cyber insecurity are two global trends that converged in 2020. The COVID-19 pandemic has accelerated these global challenges into paradigm-changing realities that threaten to destroy every company, government, network, and individual. But what can be done to embrace the accelerating digital disruption and at the same time manage the explosion of vulnerabilities, cyber threats, and business risks? What strategies are enabling technology leaders to thrive in this fast-changing landscape and stay calm in the midst of a world filled with ransomware, online deception, and nation-state hackers?

*Cyber Mayday and the Day After* is a business book, a communication toolkit offering stories, strategies, tactics, and outlook with key extracts and lessons learned from top C-executive leaders around the world. Some of these insights come from former FBIs, NASA agents, government CISOs, and high profile CxOs, offering practical examples and workable solutions for leaders to succeed in the 21<sup>st</sup> century. This book unpacks key learnings on leadership and influence. It equips readers with the mastery of their stakeholders and explores how to effect a cultural change within organizations.



JANUARY 2022 256PP  
978-1-119-83530-1 CL \$30.00 (Japan)  
Business Technology

## The Contributory Revolution

PIERRE GIORGINI

This book sheds light on a crucial debate on the possible role of the technosciences in meeting the challenges of the future. It shows that the current contributory revolution is global and profound, and that it concerns the whole epistemological field - from the sciences to social organizations. By delving into the epistemological dimension of the lightning transition we are currently experiencing, *The Contributory Revolution* identifies the levers of the salutary acceleration of collective learning, now essential, but not before the debate on a possible future has been settled via the headlong rush of the technoscientist.

However, after this call to move from exo-distributive technoscience, carried by deterministic and Newtonian models, to more biological and endocontributory models - or even from the arrogance of mastery to the humility of influence and alliance - it will be necessary to set its limits to avoid entering into an eco-philosophical radicalism. Only extreme humility, carried by strong spirituality, can protect us from it.

JANUARY 2022 256PP  
978-1-78630-724-8 CL \$165.00 (Japan)  
Management



## AMP IT UP

Unlocking Hypergrowth by Raising Expectations, Urgency, and Intensity

FRANK SLOOTMAN

**The secret to leading enterprise growth is your mindset**

Snowflake CEO Frank Sloatman is the tech world's most accomplished executive in enterprise growth, having led Snowflake to the largest software IPO ever after leading Data Domain and ServiceNow to exponential growth and the public market before that. In *Amp It Up: Leading for Hypergrowth with High Expectations, Urgency, and Intensity*, he shares his leadership playbook for the first time.

*Amp It Up* delivers an authoritative look at what it takes to transform an organization for maximum growth and scale. Sloatman shows that most leaders have significant room to improve their organization's performance without making expensive changes to their talent, structure, or fundamental business model--and they don't need to bring in an army of consultants to do it. What they do need is to align people around what matters and execute with urgency and intensity every day.

Leading for unprecedented growth means declaring war on mediocrity, breaking the status quo, and making conflicted choices daily, all with a relentless focus on the mission. *Amp It Up* provides the first principles to guide that change, and the tactical advice for organizing a company around them. Perfect for executives, entrepreneurs, founders, managers, and leaders of all kinds, *Amp It Up* is a must-read resource for anyone who seeks to unleash the growth potential of a company and scale it to heights they never thought possible.

JANUARY 2022 208PP  
978-1-119-83611-7 CL \$28.00 (Japan)  
Management / Leadership



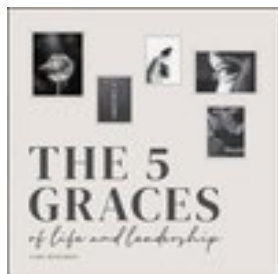
## The Five Graces of Life and Leadership

GARY BURNISON, LOS ANGELES, CA

CEO, Korn Ferry

Protests and violence. Struggles, storms, and shutdowns. Droughts and wildfires. Delta Variant on the rise. Cuba to Jakarta, Haiti to South Africa. Germany and the UK--Brazil and India. Locked up, pent up, people wanting change. As the world tilts on its axis, people are turning to leaders for help and hope, direction and decision. After all, leadership is inspiring others to believe and enabling that belief to become reality. And that takes grace.

Whether that crisis be a global pandemic, uncertainty in the state of the economy, a war, or something else, employees often look to their leaders for a sense for more than just direction. And leaders have a responsibility to deliver that 'something more'. They are looked to for hope, comfort, and for reassurance that whatever the crisis may be, they'll all get through it together and that all will be ok. Grace is not just something leaders should have. It's something they MUST have and never has that been more apparent than now. In this book, Gary will breakdown the five main kinds of 'grace' that are required of a leader to make his or her team feel comforted, safe, and guided in the right direction.



JANUARY 2022 224PP  
978-1-119-86404-2 CL \$28.00 (Japan)  
Management / Leadership

## The Joe Biden Way

How to Become a Bold and Empathic Leader

JEFFREY A. KRAMES

**Discover what sets leaders like President Biden apart from the rest**

In *The Joe Biden Way: How to Become a Bold and Empathic Leader*, bestselling author and leadership expert Jeffrey Krames provides readers with leadership secrets gleaned from one of the most transformative and successful presidents in modern times: Joseph Robinette Biden, Jr.



In this book, the author sets out 7 lessons in inspiring leadership that have helped the 46th President of the United States carry his powerful message to the White House and deliver it to hundreds of millions of people. You'll learn how to:

- Lead with empathy and demonstrate you understand what your followers are experiencing
- Set a single priority and focus on it with laser precision
- Learn to execute on your goals and back your words with meaningful action
- Build on and cultivate your strengths and values
- Lead diverse groups of people and inspire them to share a common goal

Perfect for executives, managers, and other business leaders, *The Joe Biden Way* is a must-read resource for anyone who strives to unlock the best in their followers and colleagues and discover what sets great leaders apart from the rest of the pack.

JANUARY 2022 224PP  
978-1-119-83235-5 CL \$29.00 (Japan)  
Management / Leadership



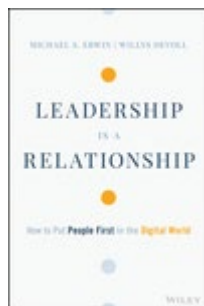
## Leadership is a Relationship

How to Put People First in the Digital World

MIKE ERWIN & WILLYS DEVOLL

**Discover how putting people first creates vibrant organizations and profound change**

In *Leadership is a Relationship*, accomplished founders and authors Michael S. Erwin and Willys DeVoll deliver an insightful collection of interviews with leaders who have succeeded by prioritizing the wellbeing of other people. Featuring fresh stories from leaders like Olympic legend Kerri Walsh Jennings, former Secretary of Veterans Affairs Bob McDonald, and visionary principal Dr. Virginia Hill, the book shows how you too can become a relationship-based leader and thrive in our chaotic, digital world. By highlighting role models from different careers, backgrounds, skill sets, and schools of thought, the authors offer readers an inspiring antidote to one of the most serious--and underreported--crises of our era: the damage that digital distractions have done to our personal relationships.



The book offers:

- Concrete strategies for combating the depersonalization of the Information Age and strengthening our connections with other people
- Real stories of how people from Olympic champions to small-business owners have put people first
- Take-away tips for the busy reader who needs quick insight or hopes to use the book in a modular curriculum for their organization or class

Perfect for anyone who wants lead both morally and effectively, *Leadership is a Relationship* provides a concise and convincing argument that leaders who put people first have the best chance of succeeding in the twenty-first century.

JANUARY 2022 256PP  
978-1-119-80613-4 CL \$25.00 (Japan)  
Management / Leadership

## Shift

How to Transform Motion into Progress in Business

RICHARD LEES & AZLAN RAJ

Pretty much every business today is trying to deliver the best and most inclusive customer experience for their customers because it is seen as being a source of sustainable competitive advantage for the businesses that can achieve it, and Merkle is very much at the core of making this happen for its clients. BUT, every business approaches this in a different way, and very few achieve the optimum results from their investments. They do a lot of things, ACTION, but they don't maximise the effect of that action and so fail to turn it into PROGRESS.

The real reason that businesses want to deliver an excellent customer experience is to differentiate their business from the competition, and drive long term customer engagement. When you measure your actions through the eyes of the technology and other investments the business makes, all you can measure are small outcomes. When you measure it through the eyes of the customer, and the measures that matter to customers are improving, that is real Progress towards these business goals. Action will have translated into Progress.

At its core, *The Book of Progress* is about EVERYTHING we do at Merkle. This book will show you how to deliver an excellent customer experience that guarantees PROGRESS as a result.

JANUARY 2022 256PP  
978-1-119-81014-8 CL \$27.50 (Japan)  
Creativity & Innovation Management

## Master Planning and Scheduling

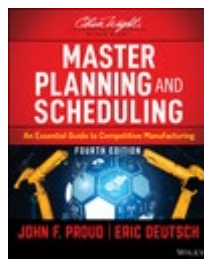
A Practical Guide to Challenges in the Current and Future Competitive Manufacturing World

4th Edition

JOHN F. PROUD & ERIC DEUTSCH

**Discover the practical, real-world advantages of the Oliver Wight master planning and scheduling methodology.**

The newly revised Fourth Edition of *Master Planning and Scheduling: An Essential Guide to Competitive Manufacturing* delivers a masterful exploration of today's master planning and scheduling techniques, as well as an insightful discussion of the future of the master planning and scheduling processes and profession.



Written in the context of an ever-evolving digital environment and augmented with new and critical information required to implement best practices, the book is a guide for practitioners and leaders on the principles of master planning and scheduling and its application in modern and future work environments.

*Master Planning and Scheduling* is an indispensable guide for supply chain professionals, planners and schedulers in all functional domains of a business. It also belongs on the bookshelves of any executive or manager who seeks to improve their understanding of best practice planning and scheduling processes and how those processes enable a business to outperform the competition through alignment, integration and synchronization across all functions in an organization.

SERIES: THE OLIVER WIGHT COMPANIES

JANUARY 2022 992PP  
978-1-119-80941-8 CL \$150.00 (Japan)  
PRODUCTION OPERATIONS MANAGEMENT

## Operations Management For Dummies

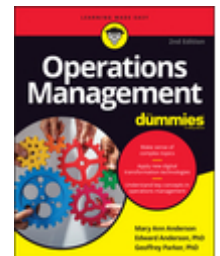
2nd Edition

MARY ANN ANDERSON, AUSTIN, UNITED STATES, EDWARD J. ANDERSON & GEOFFREY PARKER

**The plain language guide to getting things running smoothly in the world of business**

Operations management is all about efficiency, and *Operations Management For Dummies* is all about efficiently teaching you what you need to know about this business hot topic.

This book tracks typical operations management MBA courses, and it will help you un-muddle concepts like process mapping, bottlenecks, Lean Production, and supply chain management. Learn to step into a business, see what needs improving, and plug in the latest tools and ideas to shape things up in any industry.



This latest edition covers, you guessed it, digital transformation. Technology is completely upending operations management, and *Dummies* walks you through the latest, so you can stay at the front of the pack. Other new stuff inside: supply chain traceability, ethical sourcing and carbon footprint, business resiliency, and modularizing the supply chain. It's all here!

- Optimize operations and increase revenue with strategies and ideas that make businesses run better and cheaper
- Get easy-to-understand explanations of complex topics and theories in operations management
- Learn how operations management is affected by digital transformation and sustainability concerns
- Evaluate, design, improve, and scale all sorts of processes, regardless of business size or area of operation

Businesses can't operate successfully without effective operations and supply management. That makes *Operations Management For Dummies* a must--for MBA students and business professionals alike.

JANUARY 2022 UnknownPP  
978-1-119-84310-8 PB \$29.99 (Japan)  
PRODUCTION OPERATIONS MANAGEMENT



## Beyond Emotional Intelligence

A Guide to Accessing Your Full Potential

S. MICHELE NEVAREZ, WILLIAMSTOWN

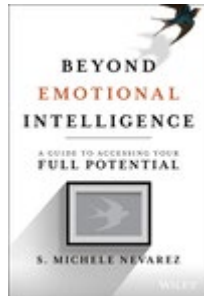
**Discover the hidden inner workings of your mind so you can break unhelpful habits and set yourself on the path to achieving your full potential.**

*Beyond Emotional Intelligence* reveals how our ingrained mental tendencies can either help or hinder us, depending on how conscious we are of their influence over our lives. Whether we seek to set and achieve our desired outcomes, improve our relationships, or live in alignment with what we value most, we need emotional intelligence (EI) to identify and overcome the mental patterns that may be keeping us stuck. In this book, you'll embark on 12 Self-Discoveries that will help you get to know yourself, so you can stop getting in your own way. You'll learn how, with practice, you can retrain your mind to develop new thought patterns that will serve you better as you work toward your life's aspirations.

Each of the 12 Self-Discoveries offers unique clues and insights into who we are and why we do what we do. They function as an internal barometer for our triggers, emotional patterns, and mental habits. Ultimately, they provide a clear path to uncover and work with our habits of mind and patterns of action and reaction, giving us the possibility to exercise our own agency at key moments in our lives. *Beyond Emotional Intelligence* presents the 12 Self-Discoveries framework which provides you with a solid foundation from which you can begin to grow.

This book will be your guide as you embark on a rigorous process of self-discovery as you learn to embrace your inner wisdom and take control of your results.

JANUARY 2022 272PP  
978-1-119-80020-0 CL \$26.00 (Japan)  
Training & Development



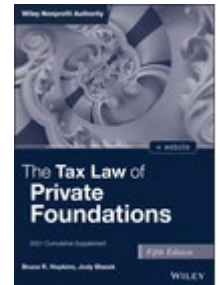
## The Tax Law of Private Foundations, 2021 Cumulative Supplement

5th Edition

BRUCE R. HOPKINS, KANSAS CITY, UNITED STATES

Member, District of Columbia Bar

JANUARY 2022 208PP  
978-1-119-80433-8 PB \$150.00 (Japan)  
Non-Profit Organizations / Law



## Starting a Business For Dummies

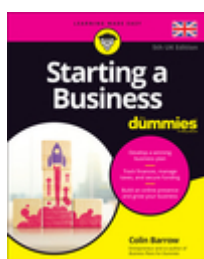
5th UK Edition

COLIN BARROW, UNITED KINGDOM

Cranfield School of Management

**Launch your new business with confidence and skill using the latest guidance from the UK's most trusted small business guru**

Starting a business is one of those courageous and audacious decisions that many of us dream about. If you're ready to take the leap and turn your great idea into action, or you already have, you'll need to arm yourself with the best strategies you can find. In *Starting a Business For Dummies: UK Edition*, business growth expert Colin Barrow, MBA, provides these strategies as he walks you through every critical step in launching your company.



From writing your first business plan to surviving and thriving in your first year, and everything in between, you'll learn how to go from concept to revenue, handle the post-Brexit United Kingdom regulatory and tax environment and utilise public grants and incentives to help get you off the ground. You'll also:

- Understand how the UK business landscape has been impacted by Brexit and COVID-19 and the practical steps you can take to adapt
- Finance your new venture with grants from the UK government and enjoy brand-new tax incentives aimed at R&D and innovation
- Find your inspiration with motivating case studies of real-world successes who conquered every challenge the market threw at them

You've spent your life building the skills you'll need for this moment. Let *Starting a Business For Dummies: UK Edition* show you how to apply them for maximum effect as you grow your company from an idea into an unstoppable juggernaut.

JANUARY 2022 448PP  
978-1-119-83224-9 PB \$30.99 (Japan)  
SMALL BUSINESS & ENTREPRENEURSHIP

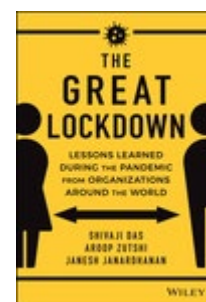
## The Great Lockdown

Lessons Learned During the Pandemic from Organizations Around the World

SHIVAJI DAS, AROOP ZUTSHI & JANESH JANARDHANAN

**A collection of insider accounts describing the organizational impact of COVID-19**

In *The Great Lockdown: Lessons Learned During the Pandemic from Organizations Around the Globe*, expert strategists Shivaji Das, Aroop Zutshi, and Janesh Janardhanan deliver an insightful exploration of this once-in-a-lifetime event to unearth invaluable learnings for the future. Told through the experiences of CXOs at billion-dollar companies, star start-ups, and non-profits from around the world, the book chronicles the ups and downs of sophisticated organizations as they navigated the COVID-19 crisis through initiatives impacting people, processes, and technology.



- Revealing case studies contributed by the CXOs of companies spanning multiple geographies - from the USA to Iran, Uganda to Hong Kong, and multiple sectors -- social media, technology, aviation, luxury retail, healthcare, etc.
- Incisive analyses of the techniques and strategies that worked--or didn't--for organizations during the COVID-19 pandemic, covering the role and evolution of leadership, organizational culture, innovation and digitization
- Practical guidance for business leaders to apply to their own firms in times of great economic upheaval: the next pandemic, climate disasters, cyber-attacks

The leaders contributing their organization's survival and revival stories include those from Julius Baer, SAP, Terumo, IndiGrid, Tapsi, Fonterra, Hornet Networks, Globalization Partners, beCuriou, GoGoX, Abacus Pharma, Real Wear Inc, SOS Children's Villages, Bangalore International Airport, and A Lange & Sohne.

Perfect for executives, managers, and other business leaders, *The Great Lockdown* is an invaluable addition to the libraries of anyone interested in case studies of corporate resilience and endurance in the face of unprecedented economic challenges.

JANUARY 2022 UnknownPP  
978-1-119-81042-1 CL \$28.00 (Japan)  
Business & Management Special Topics

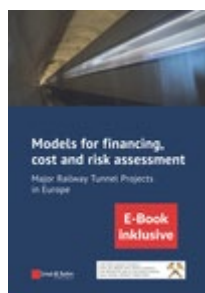
## 土木工学

## Models for financing, cost and risk assessment of major railway tunnel projects in Europe

ERNST & SOHN

Project managers of large railroad tunnels in Europe summarize their experiences. In addition to explaining the general conditions, they give an overview of financing, cost and risk management, scheduling, quality control and auditing.

The book address project manager of major infrastructure projects as well as decision makers, financiers, engineers. Additionally, it provides valuable information for organizations that are responsible for future projects in politics and management.



JANUARY 2022 150PP  
978-3-433-03315-9 PB \$165.00 (Japan)  
Tunnel Construction

## Biosorption for Wastewater Contaminants

EDITOR PARDEEP SINGH & EDITOR RANGABHASHIYAM SELVASEMBIAN

Pollution due to various anthropogenic activities continues to increase. In terms of water pollutants, organic and inorganic pollutants are the most problematic. Although several measures have been proposed and implemented to prevent or reduce contamination, their increased concentration in water bodies has created serious concerns.

Over the years, the problem has been aggravated by industrialization, urbanization and the exploitation of natural resources. The direct discharge of wastewater contaminants and their geographical mobilization have caused an increase in concentration in ground, surface, fluvial and residual waters. Extensive information about detection and disposal methods is needed in order to develop technological solutions for a -variety of environments, both urban and rural.



This book provides up-to-date information on wastewater contaminants, aimed at researchers, engineers and technologists working in this field. Conventional physicochemical techniques used to remove contaminants from wastewater include ion exchange, precipitation, degradation, coagulation, coating, membrane processes and adsorption. However, these applications have technological and economic limitations, and involve the release of large amounts of chemical reagents and by-products that are themselves difficult to remove. Biosorption - the use of organically generated material as an adsorbent -- is attracting new research and scholarship. Thermally-treated calcined biomaterials may be treated to remove heavy metals from wastewater. To ensure the elimination of these contaminants, existing solutions must be integrated with intelligent biosorption functions.

*Biosorption for Wastewater Contaminants* will find an appreciative audience among academics and postgraduates working in the fields of environmental biotechnology, environmental engineering, wastewater treatment technology and environmental chemistry.

JANUARY 2022 304PP  
978-1-119-73759-9 CL \$215.00 (Japan)  
Wastewater Purification

## Eco-design of Marine Infrastructures

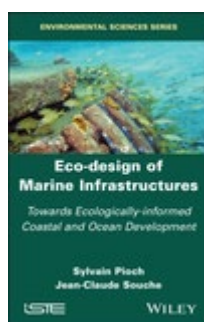
Towards Ecologically-informed Coastal and Ocean Development

SYLVAIN PIOCH & JEAN-CLAUDE SOUCHE

This book offers an insight into how to create aesthetically pleasing, environmentally integrated, multi-functional developments in the ocean or on the coastline.

Eco-design of Marine Infrastructures provides practical and realistic solutions for delivering projects that strive to minimize negative environmental impacts.

Using case studies and examples, this book presents a toolkit of options, allowing decision makers and planners to see what is possible and to make informed choices about the risks and benefits of eco-design. It is intended for researchers, engineers, students and decision makers, or anyone who is curious to see how nature can be integrated into development.



JANUARY 2022 288PP  
978-1-78630-711-8 CL \$165.00 (Japan)  
Environmental Engineering

## Stantec's Water Treatment

Principles and Design, Updated, 3rd Edition

KERRY HOWE, JOHN C. CRITTENDEN, R. RHODES TRUSSELL,  
DAVID W. HAND & GEORGE TCHOBANOGLIOUS

University of New Mexico; Georgia Institute of Technology;  
Trussell Technologies; Michigan Technological University;  
University of California, Davis

Written by some of the foremost experts in the field of public water supply, *Stantec's Water Treatment: Principles and Design, Updated Third Edition* is a must-have resource for engineers designing or operating water treatment plants as well as for students of civil, environmental and water resources engineering. Topics span from the fundamentals of water chemistry and microbiology to methods for detecting constituents in water, implementing water treatment processes, and managing residuals from water treatment plants. This Updated Third Edition includes an exciting all-new chapter on potable reuse as well as extensive chapter-by-chapter digital resources including case studies that feature photographs and videos of Stantec client facilities. Instructors will have access to PowerPoint lecture slides via the book's companion website.

JANUARY 2022 UnknownPP  
978-1-119-81996-7 CL \$225.00 (Japan)  
WATER RESOURCES

## 化学工学

**Analysis of Enzyme Reaction Kinetics**

2 Volume Set

F. XAVIER MALCATA

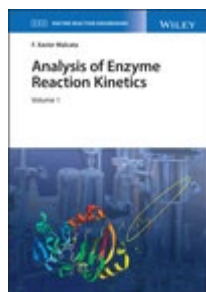
Instituto Superior da Maia

**Comprehensively introduces readers to modelling of rate of enzymatic reactions, including effects of physicochemical parameters**

*Analysis of Enzyme Reaction Kinetics* is the second set in a unique eleven-volume collection on Enzyme Reactor Engineering. It describes rate expressions pertaining to enzymatic reactions, including modulation by physicochemical factors, as well as tools for prediction and control of how fast substrates are transformed to products. Volume 1 details rate expressions mathematically derived from mechanistic postulates, and is complemented by appropriate statistical approaches to fit them to experimental data. Volume 2 discusses the effects of physical and chemical parameters upon the rates of both enzyme-catalyzed and enzyme-deactivation reactions.

Starting with basic concepts and historical perspectives, the first volume introduces readers to the mathematics of rate expressions. It then goes on to cover kinetic features and the many forms of Michaelis & Menten's-type rate expressions (single and multiple enzymes, autocatalysis, single and multiple substrates, multiphasic systems, etc.), and concludes with the statistical analysis of rate expressions -- including the assessment of data, fitting of models to data, and generation of data themselves. The second volume introduces readers to physicochemical modulation of reaction rate -- starting with basic concepts, and looking specifically at temperature-, mechanical force-, pH- and compound-driven effects: both unimodal and bimodal deactivation are considered.

*Analysis of Enzyme Reaction Kinetics 2V Set* is a comprehensive work for those studying or working with enzyme reactions, or practitioners involved in the control of reactors.

**Membrane Contactor Technology**

Water Treatment, Food Processing, Gas Separation, and Carbon Capture

EDITOR MASHALLAH REZAKAZEMI &amp; EDITOR MOHAMMAD YOUNAS

**An eye-opening exploration of membrane contactors from a group of industry leaders**

In *Membrane Contactor Technology: Water Treatment, Food Processing, Gas Separation, and Carbon Capture*, an expert team of researchers delivers an up-to-date and insightful explanation of membrane contactor technology, including transport phenomena, design aspects, and diverse process applications. The book also includes explorations of membrane synthesis, process, and module design, as well as rarely discussed process modeling and simulation techniques.

The authors discuss the technical and economic aspects of this increasingly important technology and examine the geometry, flow, energy and mass transport, and design aspects of membrane contactor modules. They also cover a wide range of application opportunities for this technology, from the materials sciences to process engineering.

Perfect for process engineers, biotechnologists, water chemists, and membrane scientists, *Membrane Contactor Technology* also belongs in the libraries of chemical engineers, polymer chemists, and chemists working in the environmental industry.



JANUARY 2022 368PP  
978-3-527-34861-9 CL \$155.00 (Japan)  
Process Engineering

SERIES: ENZYME REACTION ENGINEERING

JANUARY 2022 1472PP  
978-1-119-49024-1 CL \$425.00 (Japan)  
General & Introductory Chemical Engineering

## Membrane-Based Liquid Contactor Systems for Industrial Advancement and Sustainability

M. MADUMALA, SIDDHARTHA MOULIK & S. SRIDHAR

JANUARY 2022 400PP  
978-1-119-53605-5 CL \$225.00 (Japan)  
Separations

## Sustainable Separation Engineering

Materials, Techniques and Process Development

EDITOR GYORGY SZEKELY & EDITOR DAN ZHAO

King Abdullah University of Science and Technology (KAUST), Saudi Arabia; The University of Manchester, UK; National University of Singapore

**Explore an insightful collection of resources exploring conventional and emerging materials and techniques for separations**

In *Sustainable Separation Engineering: Materials, Techniques and Process Development*, a team of distinguished chemical engineers delivers a comprehensive discussion of the latest trends in sustainable separation engineering. Designed to facilitate understanding and knowledge transfer between materials scientists and chemical engineers, the book is beneficial for scientists, practitioners, technologists, and industrial managers.



Written from a sustainability perspective, the status and need for more emphasis on sustainable separations in the chemical engineering curriculum is highlighted. The accomplished editors have included contributions that explore a variety of conventional and emerging materials and techniques for efficient separations, as well as the prospects for the use of artificial intelligence in separation science and technology.

Case studies round out the included material, discussing a broad range of separation applications, like battery recycling, carbon sequestration, and biofuel production.

Perfect for academic and industrial researchers interested in the green and sustainable aspects of separation science, *Sustainable Separation Engineering: Materials, Techniques and Process Development* is an indispensable resource for chemical engineers, materials scientists, polymer scientists, and renewable energy professionals.

JANUARY 2022 352PP  
978-1-119-74008-7 CL \$160.00 (Japan)  
Separations



## Biomolecular Engineering Solutions for Renewable Specialty Chemicals

Microorganisms, Products, and Processes

EDITOR R. NAVANIETHA KRISHNARAJ & EDITOR RAJESH K. SANI

**Discover biomolecular engineering technologies for the production of biofuels, pharmaceuticals, organic and amino acids, vitamins, biopolymers, surfactants, detergents, and enzymes**

In *Biomolecular Engineering Solutions for Renewable Specialty Chemicals*, distinguished researchers

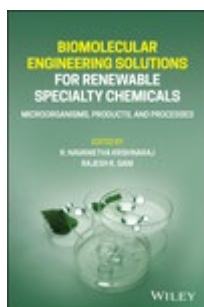
and editors Drs. R. Navanietha Krishnaraj and Rajesh K. Sani deliver a collection of insightful resources on advanced technologies in the synthesis and purification of value-added compounds. Readers will discover new technologies that assist in the commercialization of the production of value-added products.

The editors also include resources that offer strategies for overcoming current limitations in biochemical synthesis, including purification. The articles within cover topics like the rewiring of anaerobic microbial processes for methane and hythane production, the extremophilic bioprocessing of wastes to biofuels, reverse methanogenesis of methane to biopolymers and value-added products, and more.

The book presents advanced concepts and biomolecular engineering technologies for the production of high-value, low-volume products, like therapeutic molecules, and describes methods for improving microbes and enzymes using protein engineering, metabolic engineering, and systems biology approaches for converting wastes.

Perfect for researchers and practicing professionals in the areas of environmental and industrial biotechnology, biomedicine, and the biological sciences, *Biomolecular Engineering Solutions for Renewable Specialty Chemicals* is also an invaluable resource for students taking courses involving biorefineries, biovalorization, industrial biotechnology, and environmental biotechnology.

JANUARY 2022 480PP  
978-1-119-77192-0 CL \$225.00 (Japan)  
Biochemical Engineering



## Biorefinery of Oil Producing Plants for Value-Added Products

EDITOR SURAINI ABD-AZIZ, EDITOR MISRI GOZAN, EDITOR MOHAMAD FAIZAL IBRAH & EDITOR LAI YEE PHANG

A comprehensive reference presents how oil producing plants by-products after oil extraction are converted into bio-based high value-added products.

JANUARY 2022 1000PP  
978-3-527-34876-3 CL \$395.00 (Japan)  
Biochemical Engineering

## 化学

**Miniaturized Analytical Devices**

Materials and Technology

EDITOR SURESH KUMAR KAILASA & EDITOR CHAUDHERY  
MUSTANSAR HUSSAIN

NIJT, Dept of Chemistry and Environmental Sciences

The book explores the applications of miniaturized analytical devices in microbiology, pharma industry and environmental analysis. By covering a broad range of materials and techniques, it provides the basis for the development of faster, reliable and highly selective devices.

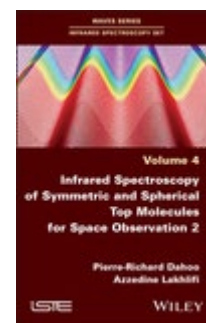


JANUARY 2022 550PP  
978-3-527-34758-2 CL \$185.00 (Japan)  
Analytical Chemistry

**Infrared Spectroscopy of Symmetric and Spherical Top Molecules for Space Observation, Volume 2**

PIERRE-RICHARD DAHOO &amp; AZZEDINE LAKHLIFI

This book, Volume 4 in the series, is dedicated to the relationship between laboratory spectroscopy, recording ever-more-complex spectra using increasingly powerful instruments benefiting from the latest technology, and the development of observation using instruments that are embedded in mobile probes or nanosatellites.



The theoretical models described in Volumes 1, 2 and 3 are used in this volume, applying the cumulant theorem in the mean-field theory framework to interpret the near and mid-infrared spectra of symmetric top molecules, such as ammonia (NH<sub>3</sub>) and spherical molecules, such as methane (CH<sub>4</sub>). These molecules can be isolated in their gaseous form or subjected to the environmental constraints of a nano-cage (a substitution site, clathrate, fullerene or zeolite) or surfaces.

These methods are not only valuable in the fields of environmental sciences, planetology and astrophysics, but also fit into the framework of data processing and the concept of Big Data.

JANUARY 2022 320PP  
978-1-78630-652-4 CL \$165.00 (Japan)  
NMR Spectroscopy / MRI / Imaging



## Light Sheet Fluorescence Microscopy

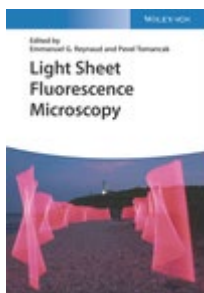
EDITOR EMMANUEL G. REYNAUD & EDITOR PAVEL TOMANCAK

Heidelberg, Germany

Destined to set the standard, the first book dealing exclusively with this revolutionary and novel imaging technology serves as an easy-to-understand introduction while offering numerous tips and tricks.

Adopting a practical approach, the authors who developed this actual technique provide a comprehensive, hands-on overview of the basics of light sheet fluorescence microscopy, instrumentation, applications, sample preparation, and data analysis. As a reflection of the uncompromisingly interdisciplinary nature of the topic, they merge their expertise in physics, biology, and computer science, giving valuable insider tips taken from their work at major manufacturers.

The result is in-depth information on hardware and software solutions for a straightforward implementation of LSFM in the lab.



JANUARY 2022 300PP  
978-3-527-34135-1 PB \$110.75 (Japan)  
Microscopy

## Supramolecular Catalysis

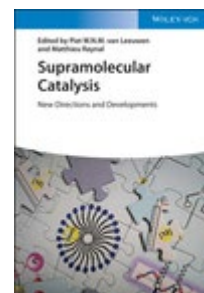
New Directions and Developments

EDITOR PIET W.N.M. VAN LEEUWEN & EDITOR MATTHIEU RAYNAL

**Provides a timely and detailed overview of the expanding field of supramolecular catalysis**

The subdiscipline of supramolecular catalysis has expanded in recent years, benefiting from the development of homogeneous catalysis and supramolecular chemistry.

Supramolecular catalysis allows chemists to design custom-tailored metal and organic catalysts by devising non-covalent interactions between the various components of the reaction.



Edited by two world-renowned researchers, *Supramolecular Catalysis: New Directions and Developments* summarizes the most significant developments in the dynamic, interdisciplinary field. Contributions from an international panel of more than forty experts address a broad range of topics covering both organic and metal catalysts, including emergent catalysis by self-replicating molecules, switchable catalysis using allosteric effects, supramolecular helical catalysts, and transition metal catalysis in confined spaces. This authoritative and up-to-date volume:

- \* Covers ligand-ligand interactions, assembled multi-component catalysts, ligand-substrate interactions, and supramolecular organocatalysis and non-classical interactions
- \* Presents recent work on supramolecular catalysis in water, supramolecular allosteric catalysis, and catalysis promoted by discrete cages, capsules, and other confined environments
- \* Highlights current research trends and discusses the future of supramolecular catalysis

\* Includes full references and numerous figures, tables, and color illustrations

*Supramolecular Catalysis: New Directions and Developments* is essential reading for catalytic chemists, complex chemists, biochemists, polymer chemists, spectroscopists, and chemists working with organometallics.

JANUARY 2022 672PP  
978-3-527-34902-9 CL \$195.16 (Japan)  
Catalysis

## Physiologically-Based Pharmacokinetic (PBPK) Modeling and Simulations

Principles, Methods, and Applications in the Pharmaceutical Industry, 2nd Edition

SHEILA ANNIE PETERS

### Physiologically Based Pharmacokinetic (PBPK) Modeling and Simulations

The first book dedicated to the emerging field of physiologically based pharmacokinetic modeling (PBPK)

Now in its second edition, *Physiologically Based Pharmacokinetic (PBPK) Modelling and Simulations: Principles, Methods, and Applications in the Pharma Industry* remains the premier reference book throughout the rapidly growing PBPK user community. Using clear and concise language, author Sheila Annie Peters connects theory with practice as she explores the vast potential of PBPK modeling for improving drug discovery and development.

This fully updated new edition covers key developments in the field of PBPK modelling and simulations that have emerged in recent years. A brand-new section provides case studies in different application areas of PBPK modelling, including drug-drug interaction, genetic polymorphism, renal impairment, and pediatric extrapolation. Additional chapters address topics such as model-informed drug development (MIDD) and expose readers to a wide range of current applications in the field. Throughout the book, substantially revised chapters simplify complex topics and offer a balanced view of both the opportunities and challenges of PBPK modelling.

*Physiologically Based Pharmacokinetic (PBPK) Modeling and Simulations: Principles, Methods, and Applications in the Pharmaceutical Industry, Second Edition* is an indispensable single-volume resource for beginning and intermediate practitioners across the pharmaceutical sciences in both industry and academia.

JANUARY 2022 624PP  
978-1-119-49768-4 CL \$180.00 (Japan)  
DRUG DISCOVERY & DEVELOPMENT



## Fundamentals of Drug Delivery

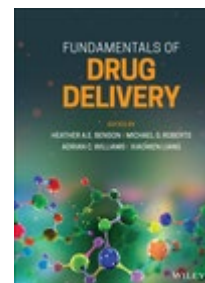
EDITOR HEATHER A. E. BENSON, EDITOR MICHAEL S. ROBERTS,  
EDITOR ADRIAN C. WILLIAMS & EDITOR XIAOWEN LIANG

A comprehensive guide to the current research, major challenges, and future prospects of controlled drug delivery systems

Controlled drug delivery has the potential to significantly improve therapeutic outcomes, increase clinical benefits, and enhance the safety of drugs in a wide range of diseases and health conditions. *Fundamentals of Drug Delivery* provides comprehensive and up-to-date coverage of the essential principles and processes of modern controlled drug delivery systems. Featuring contributions by respected researchers, clinicians, and pharmaceutical industry professionals, this edited volume reviews the latest research in the field and addresses the many issues central to the development of effective, controlled drug delivery.

Divided in three parts, the book begins by introducing the concept of drug delivery and discussing both challenges and opportunities within the rapidly evolving field. The second section presents an in-depth critique of the common administration routes for controlled drug delivery, including delivery through skin, the lungs, and via ocular, nasal, and otic routes. The concluding section summarizes the current state of the field and examines specific issues in drug delivery and advanced delivery technologies, such as the use of nanotechnology in dermal drug delivery and advanced drug delivery systems for biologics.

Edited by a team of internationally-recognized experts, *Fundamentals of Drug Delivery* is essential reading for researchers, industrial scientists, and advanced students in all areas of drug delivery including pharmaceuticals, pharmaceutical sciences, biomedical engineering, polymer and materials science, and chemical and biochemical engineering.



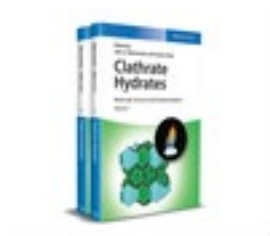
JANUARY 2022 UnknownPP  
978-1-119-76960-6 CL \$225.00 (Japan)  
Drug Formulation & Delivery

## Clathrate Hydrates

Molecular Science and Characterization

JOHN A. RIPMEESTER & SAMAN ALAVI

Clathrate hydrates are crystalline water-based solids that look like ice and can carry other type of materials, either gas or liquid. Such molecules are trapped inside the cages of hydrogen bonded, frozen water molecules and keep the complexes stable. Typically, low molecular weight or natural gases can be found inside the complexes, such as oxygen, carbon dioxide and short hydrocarbons, like methane. As hydrate science has advanced, studying the molecule level details of the hydrates for a large variety of guest molecules has been enabled. This level of molecular detail can lead to a revisiting of some accepted notions on the behavior and structure of hydrate materials. Bringing these new insights to the attention of the community of hydrate researchers will be beneficial to advancing further research.



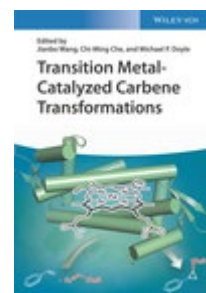
JANUARY 2022 818PP  
978-3-527-33984-6 CL \$400.00 (Japan)  
Inorganic Chemistry

## Transition Metal-Catalyzed Carbene Transformations

JIANBO WANG

Presents comprehensively this emerging field - a "must-read" for everyone in the field.

JANUARY 2022 336PP  
978-3-527-34799-5 CL \$160.00 (Japan)  
Organic Chemistry



## Polar Organometallic Reagents

Synthesis, Structure, Properties and Applications

EDITOR ANDREW WHEATLEY & EDITOR MASANOBU UCHIYAMA

**Outlines recent advances in the field of polar organometallic chemistry, particularly in the context of the emergent areas of synergic and cooperative species.**

*Polar Organometallic Reagents* provides a critical overview of developments in the field of modern polar organometallic chemistry. With a particular focus on the emergent area of synergic heterometallic reagents, this timely volume describes our attempts to understand recently developed polar organometallics and their application in a range of new directions. Contributions from leading researchers present new synthetic work and discuss recent advances in characterization techniques, synthetic applications, and mechanistic understanding of heterometallic complexes.

In-depth chapters provide detailed information on fundamental, structural, and theoretical aspects of polar organometallic chemistry while articulating the need and rationale for the advent of new reagents. Topics include alkali and alkaline earth organometallics, synergy and cooperativity, cationic p-block clusters and other developments in main group catalysis, synthetic trends in alkenyl copper, ate complex and borylmetal chemistry, nontraditional reaction environments, and trends in developing greener processes.

*Polar Organometallic Reagents* is essential reading for researchers in chemical disciplines including synthetic inorganic and coordination chemistry, main group chemistry, organometallic chemistry, organic synthesis and catalysis.



JANUARY 2022 416PP  
978-1-119-44882-2 CL \$190.00 (Japan)  
Organometallic Chemistry

## Solid State Chemistry and its Applications

2nd Edition

ANTHONY R. WEST

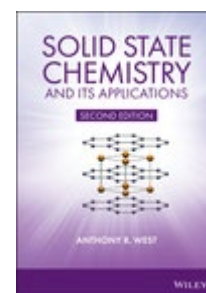
University of Aberdeen

**A comprehensive treatment of solid state chemistry complete with supplementary material and full colour illustrations from a leading expert in the field.**

*Solid State Chemistry and its Applications, Second Edition* delivers an advanced version of West's classic text in solid state chemistry, expanding on the undergraduate *Student Edition* to present a comprehensive treatment of solid state chemistry suitable for advanced students and researchers. The book provides the reader with an up-to-date account of essential topics in solid state chemistry and recent developments in this rapidly developing field of inorganic chemistry.

Featuring full color illustrations throughout, readers will also benefit from online supplementary materials including access to CrystalMaker® software and over 100 interactive crystal structure models.

Perfect for advanced students seeking a detailed treatment of solid state chemistry, this new edition of *Solid State Chemistry and its Applications* will also earn a place as a desk reference in the libraries of experienced researchers in chemistry, crystallography, physics, and materials science.



JANUARY 2022 864PP  
978-1-118-44744-4 CL \$110.00 (Japan)  
SOLID STATE CHEMISTRY

## コンピューティング

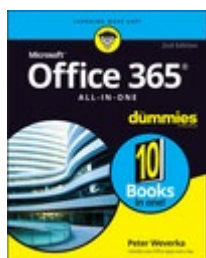
**Office 365 All-in-One For Dummies**

2nd Edition

PETER WEVERKA, SAN FRANCISCO, UNITED STATES

**YOUR ONE-STOP REFERENCE ON  
OFFICE 365 PRODUCTIVITY**

Do you find yourself composing a letter in Word in the morning, joining a Teams meeting before lunch, crunching numbers in Excel in the afternoon, and answering email on Outlook all day? *Office 365 All-in-One For Dummies* is the book to help you get through all those tasks. Filled with mini books to cover all Office applications, this all updated edition offers guidance on the core Office 365 applications as well as the tools that make collaborating with remote colleagues a cinch. Whether you're new to Office or just need a refresher for the newest updates, this book answers your questions.



JANUARY 2022 896PP  
978-1-119-83070-2 PB \$39.99 (Japan)  
OFFICE PRODUCTIVITY - MICROSOFT (GENERAL & OFFICE SUITE)

**Windows 11 For Dummies**

ANDY RATHBONE, SAN DIEGO, UNITED STATES

**The book that keeps you from chucking  
your computer out your Window**

Windows 11 arrives with the promise of being the fastest, most secure, and most flexible of the operating system yet. That doesn't mean it's always easy to make your computer work faster, more securely, and more flexible. This book offers help for those moments when you ask yourself "what the heck is my computer doing?" You'll find guidance on how to get around the newly updated Windows 11 interface, how to use new Windows tools like Teams and widgets, and even how to bring Android apps on board your device to simplify your processes. Once you know your way around, you'll spend less time answering Windows questions and more time getting things done.

**Inside...**

- Starting with the Start menu
- Finding where your files are hiding
- Adding in Android apps
- Adding separate user accounts to keep your kids out of your business
- Connecting to the universe (via wifi)
- Getting chummy with Teams
- Customizing your widgets
- Switching to a laptop

JANUARY 2022 464PP  
978-1-119-84647-5 PB \$24.99 (Japan)  
Operating Systems / Microsoft Windows

## macOS Monterey For Dummies

BOB LEVITUS, AUSTIN, UNITED STATES

**Unlock the potential of macOS Monterey with this updated guide from "Dr. Mac" himself**

Macs are famously an absolute pleasure to use. But it's even more fun discovering all the cool things a new version of macOS can do. macOS Monterey, introduced in 2021, makes the latest macOS features available to Mac users everywhere. *macOS Monterey For Dummies* is your personal roadmap to finding every single awesome new bell and whistle in this world-famous operating system.

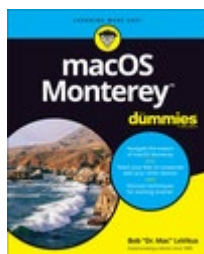
You'll read about upgrades to the accessibility options, how to use Live Text to grab text from all of your photos, manage your iPhone from your Mac and vice versa, and use the new Universal Control to seamlessly transition between Apple devices.

You can also:

- Learn how to watch TV or a movie with friends while you're on a FaceTime call
- Explore the new "Shared With You" feature so you can access the content people send to you directly in the relevant app
- Explore the online world with the Safari browser included with every installation of macOS Monterey

Perfect for anyone who wants to take full advantage of the latest version of Apple's intuitive and user-friendly operating system, *macOS Monterey For Dummies* is the fastest, easiest way to master the newest features and the coolest capabilities included with macOS Monterey. With hundreds of pages of simple instructions and images of the macOS interface, this is the last handbook you'll need to make the most of the newest macOS.

JANUARY 2022 512PP  
978-1-119-83696-4 PB \$29.99 (Japan)  
Operating Systems / Macintosh & iOS



## iPhone For Dummies iOS

2022 Edition

EDWARD C. BAIG, GLENROCK, UNITED STATES

**RING! RING! IT'S YOUR IPHONE CALLING**

The iPhone is a music player, a gaming system, a computer, and a mobile phone all wrapped up in one pocket-sized package. Your device can keep you in touch with friends and family, tell you what's going on in the world, and provide endless hours of entertainment. And those are just a few of its many capabilities! *iPhone For Dummies* offers the insight of two longtime Apple experts on how to make the most of your iPhone and its updated features. Peek inside for the latest iOS 15 features including expanded FaceTime features and new Apple Wallet options, as well as the updated hardware features on the latest iPhone models.

### Updates:

- Setting up your device
- Upgrading an old iPhone to iOS 15
- Getting your phone's settings correct
- Snapping photos, shooting videos and more!
- Finding useful apps in the App Store
- Making notifications less intrusive
- Holding multi-person calls on FaceTime



JANUARY 2022 416PP  
978-1-119-83715-2 PB \$29.99 (Japan)  
COMPUTER HARDWARE / MACINTOSH



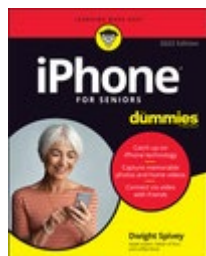
## iPhone For Seniors For Dummies

2022 Edition

DWIGHT SPIVEY, MOBILE, UNITED STATES

### Become your own iPhone guru

Your first time using an iPhone comes with a lot of excitement. It can also be a bit intimidating. After all, it's jam-packed with apps and cool features, but there's no handy manual to help you unravel all the device's mysteries. *iPhone For Seniors For Dummies* can help you take your first iPhone steps and save you the trouble of finding someone to answer your questions. It features the tasks that you most likely want to do—like chatting on FaceTime, shooting videos and photos, and connecting on social media. It also introduces you to the App store so that you can break away from the iPhone's pre-installed apps and really personalize your shiny gadget.



The easy-to-follow steps in this book with its accompanying illustrations help you manage, personalize, and communicate using your iPhone. You discover how to do everything from shopping online and organizing appointments to taking and sharing pictures and downloading and listening to your favorite music. It provides help with brand new iPhone models as well as older devices, including how to upgrade older iPhones with the latest software. Topics include how to:

- Swipe, tap, and scroll through the iPhone interface
- Capture memorable photos and home videos
- Find apps in the App store
- Customize your iPhone's accessibility features
- Bypass the keyboard and use Siri
- Read books and listen to music
- Keep your iPhone working

If you're new to the iPhone or just need a reminder on how to do a few things, *iPhone For Seniors For Dummies* gives you all the tips and tricks you need. You'll soon be swiping and tapping its screen as if you've been doing it forever.

JANUARY 2022 464PP  
978-1-119-83718-3 PB \$29.99 (Japan)  
COMPUTER HARDWARE / MACINTOSH

## Android Smartphone Photography For Dummies

MARK HEMMINGS, ST. JOHN, CANADA

### Wait—you took that amazing picture?

Taking a photo is as simple as point and click. Taking a good photo takes a bit more know-how, and *Android Smartphone Photography For Dummies* is your quick-and-easy guide. No matter what model of Android phone you have, this book teaches you to produce high-quality images using the powerhouse camera you carry in your pocket every day. You'll learn the photography techniques pros use, like how to recognize beautiful outdoor lightning, how to capture moving subjects, and how to make stuff look good.



Whatever kind of photos you want to take, this book will help you identify the gear and the apps you need for stunning results. With Dummies as your friendly instructor, you'll be wowing your friends and family before you know it.

- Explore your phone's camera, including little-known advanced features that will make a big difference in your images
- Figure out how to edit your pictures, correct lighting imbalances, apply neat filters, remove blemishes, and more
- Learn the basic principles of photography and apply your knowledge to outdoor photography, action shots, and still life
- Plus: capture video, organize your images, share photos online, choose a phone tripod, and protect your camera from the elements

Dummies makes it easy for Android users of all skill levels to morph into masterful image-makers.

JANUARY 2022 336PP  
978-1-119-82490-9 PB \$26.99 (Japan)  
Digital Cameras & Photography

## コンピュータサイエンス

**PHTS 2022 For Dummies**

BARBARA OBERMEIER, VENTURA, UNITED STATES & TED PADOVA,  
RICHLAND HILLS, UNITED STATES

Ventura, CA, Obermeier Design ; Ventura, California

**SAY CHEESE!**

Photoshop Elements has a reputation of being the little brother of Photoshop, a photo editor that doesn't have the muscle of its better-known sibling. The truth is the Elements version offers all the photo editing tools and power the vast majority of non-professional photographers and designers will ever need to get the results they want. This book helps even the absolute beginner get a grasp on the art of photo editing before sending them on their way to making common image fixes with a single click and taking full control of image layers to create a unique result.

**UPDATES:**

- Learn the basics of Photoshop elements
- Edit photos
- Build layers
- Add artistic touches

JANUARY 2022 464PP  
978-1-119-83721-3 PB \$39.99 (Japan)  
DIGITAL CAMERAS & PHOTOGRAPHY

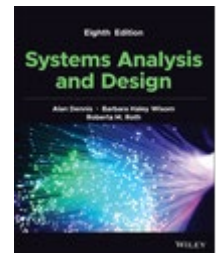
**Systems Analysis and Design**

8th Edition

ALAN DENNIS, BARBARA WIXOM & ROBERTA M. ROTH

The University of Georgia; University of Virginia, McIntyre  
School of Business; University of Northern Iowa

Systems Analysis and Design, 8th Edition offers students a hands-on introduction to the core concepts of systems analysis and systems design. Following a project-based approach written to mimic real-world workflow, the text includes a multitude of cases and examples, in-depth explanations, and special features that highlight crucial concepts and emphasize the application of fundamental theory to real projects.



JANUARY 2022 464PP  
978-1-119-80378-2 PB \$120.95 (Japan)  
COMPUTER SCIENCE - GENERAL INTEREST



## Job Ready Python

HAYTHEM BALTI & KIM WEISS

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



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

- A thorough introduction to getting set up with Python
- Practical discussions of the basics of the Python language, including syntax, program flow, and code organization
- A walk through the fundamentals of Object-Oriented Programming including Classes, Objects, Interfaces, and Inheritance, and how to leverage OOP to create elegant code
- A focus on data processing and data analysis with Python

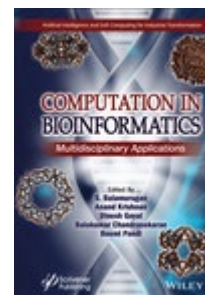
JANUARY 2022 688PP  
978-1-119-81738-3 PB \$40.00 (Japan)  
Programming & Software Development

## Computation in BioInformatics

Multidisciplinary Applications

EDITOR S. BALAMURUGAN, EDITOR ANAND T. KRISHNAN, EDITOR  
DINESH GOYAL, EDITOR BALAKUMAR CHANDRASEKARAN &  
EDITOR BOOMI PANDI

**Bioinformatics is a platform between the biology and information technology and this book provides readers with an understanding of the use of bioinformatics tools in new drug design.**



The discovery of new solutions to pandemics is facilitated through the use of promising bioinformatics techniques and integrated approaches. This book covers a broad spectrum of the bioinformatics field, starting with the basic principles, concepts, and application areas. Also covered is the role of bioinformatics in drug design and discovery, including aspects of molecular modeling. Some of the chapters provide detailed information on bioinformatics related topics, such as silicon design, protein modeling, DNA microarray analysis, DNA-RNA barcoding, and gene sequencing, all of which are currently needed in the industry. Also included are specialized topics, such as bioinformatics in cancer detection, genomics, and proteomics. Moreover, a few chapters explain highly advanced topics, like machine learning and covalent approaches to drug design and discovery, all of which are significant in pharma and biotech research and development.

### Audience

Researchers and engineers in computation biology, information technology, bioinformatics, drug design, biotechnology, pharmaceutical sciences.

JANUARY 2022 352PP  
978-1-119-65471-1 CL \$195.00 (Japan)  
Data Mining & Knowledge Discovery

## Artificial Intelligence For Dummies

2nd Edition

JOHN PAUL MUELLER, LA VALLE, UNITED STATES & LUCA MASSARON, ITALY

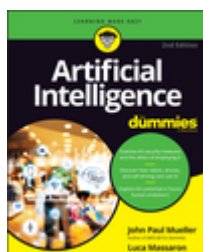
**Forget far-away dreams of the future. Artificial intelligence is here now!**

Every time you use a smart device or some sort of slick technology--be it a smartwatch, smart speaker, security alarm, or even customer service chat box--you're engaging with artificial intelligence (AI). If you're curious about how AI is developed--or question whether AI is real--*Artificial Intelligence For Dummies* holds the answers you're looking for. Starting with a basic definition of AI and explanations of data use, algorithms, special hardware, and more, this reference simplifies this complex topic for anyone who wants to understand what operates the devices we can't live without.

This book will help you:

- Separate the reality of artificial intelligence from the hype
- Know what artificial intelligence can accomplish and what its limits are
- Understand how AI speeds up data gathering and analysis to help you make informed decisions more quickly
- See how AI is being used in hardware applications like drones, robots, and vehicles
- Know where AI could be used in space, medicine, and communication fields sooner than you think

Almost 80 percent of the devices you interact with every day depend on some sort of AI. And although you don't need to understand AI to operate your smart speaker or interact with a bot, you'll feel a little smarter--dare we say more intelligent--when you know what's going on behind the scenes. So don't wait. Pick up this popular guide to unlock the secrets of AI today!

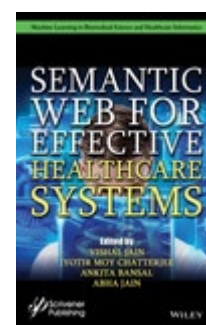


## Semantic Web for Effective Healthcare Systems

EDITOR VISHAL JAIN, EDITOR JYOTIR MOY CHATTERJEE, EDITOR ANKITA BANSAL & EDITOR ABHA JAIN

Recently, the Semantic Web has gained huge popularity to address these challenges. Semantic web technologies have the opportunity to transform the way healthcare providers utilize technology to gain insights and knowledge from their data and make decisions. Both big data and semantic web technologies can complement each other to address the challenges and add intelligence to healthcare management systems.

The aim of this book is to analyze the current status on how Semantic Web is used to solve the health data integration and interoperability problem, how it provides advanced data linking capabilities that can improve search and retrieval of medical data. There are chapters in the book which analyze the tools and approaches to semantic health data analysis and knowledge discovery. The book discusses the role of semantic technologies in extracting and transforming healthcare data before storing it in repositories. It also discusses different approaches for integrating heterogeneous healthcare data. To summarize, the book will help readers understand key concepts in semantic web applications for biomedical engineering and healthcare.



JANUARY 2022 350PP  
978-1-119-76229-4 CL \$195.00 (Japan)  
Artificial Intelligence

JANUARY 2022 UnknownPP  
978-1-119-79676-3 PB \$34.99 (Japan)  
ARTIFICIAL INTELLIGENCE

## Transforming Your Business with AWS

Getting the Most Out of Using AWS Cloud to Modernize and Innovate Your Digital Services

PHILIPPE ABDOULAYE

**Expert guidance on how to use Amazon Web Services to supercharge your digital services business**

In *Transforming Your Business with AWS: Getting the Most Out of Using AWS to Modernize and Innovate Your Digital*

*Services*, renowned international consultant and sought-after speaker Philippe Abdoulaye delivers a practical and accessible guide to using Amazon Web Services to modernize your business and the digital services you offer. This book provides you with a concrete action plan to build a team capable of creating world-class digital services and long-term competitive advantages.

You'll discover what separates merely average digital service organizations from the truly outstanding, as well as how moving to the cloud will enable your business to deliver your services faster, better, and more efficiently.

This book also includes:

- A comprehensive overview of building industry-leading digital service delivery capabilities, including discussions of the development lifecycle, best practices, and AWS-based development infrastructure
- Explanations of how to implement a digital business transformation strategy
- An exploration of key roles like DevOps Continuous Delivery, Continuous Deployment, Continuous Integration, Automation, and DevSecOps
- Hands-on treatments of AWS application management tools, including Elastic Beanstalk, CodeDeploy, and CodePipeline

Perfect for executives, managers, and other business leaders attempting to clarify and implement their organization's digital vision and strategy, *Transforming Your Business with AWS* is a must-read reference that answers the "why" and, most importantly, the "how," of digital transformation with Amazon Web Services.

JANUARY 2022 336PP  
978-1-119-81597-6 PB \$40.00 (Japan)  
Grid & Cloud Computing



## Intelligent Security Systems

How Artificial Intelligence, Machine Learning and Data Science Work For and Against Computer Security

LEON REZNIK

**Dramatically improve your cybersecurity using AI and machine learning**

In *Intelligent Security Systems*, distinguished professor and computer scientist Dr. Leon Reznik delivers an expert synthesis of artificial intelligence, machine learning and data science techniques, applied to computer security to assist readers in hardening their computer systems against threats. Emphasizing practical and actionable strategies that can be immediately implemented by industry professionals and computer device's owners, the author explains how to install and harden firewalls, intrusion detection systems, attack recognition tools, and malware protection systems. He also explains how to recognize and counter common hacking activities.

This book bridges the gap between cybersecurity education and new data science programs, discussing how cutting-edge artificial intelligence and machine learning techniques can work for and against cybersecurity efforts.

*Intelligent Security Systems* includes supplementary resources on an author-hosted website, such as classroom presentation slides, sample review, test and exam questions, and practice exercises to make the material contained practical and useful.

Perfect for undergraduate and graduate students in computer security, computer science and engineering, *Intelligent Security Systems* will also earn a place in the libraries of students and educators in information technology and data science, as well as professionals working in those fields.



JANUARY 2022 368PP  
978-1-119-77153-1 CL \$99.00 (Japan)  
Computer Security & Cryptography

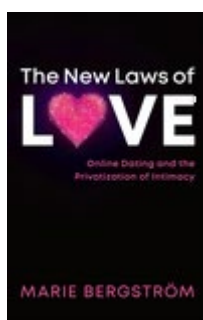
## コミュニケーション

**The New Laws of Love**

Online Dating and the Privatization of Intimacy

MARIE BERGSTRÖM

READERSHIP: Students and scholars in media, communications and cultural studies, sociology and related disciplines, and a wider readership interested in the changing nature of love and relationships in the digital age.



JANUARY 2022 200PP  
978-1-5095-4351-9 CL \$64.95 (Japan)  
978-1-5095-4352-6 PB \$19.95 (Japan)  
Media Studies

**Digital Universe**

The Global Telecommunication Revolution

2nd Edition

PETER B. SEEL

Colorado State University, USA

**An illuminating examination of the benefits and drawbacks of global, digital communication**

In this newly revised Second Edition of *Digital Universe: The Global Telecommunication Revolution*, journalism and digital telecommunication expert Peter B. Seel delivers a fascinating and insightful exploration of digital communication technologies and their substantial effects on contemporary life. This book traces the evolution of digital information and communication tools used around the world, from undersea telegraph cables to the newest mobile phones.



*Digital Universe* introduces readers to important inventors, scientists, artists, and thinkers in its discussions of the history and socio-cultural effects of technology adoption. It offers an accessible tour of the global digital universe and provides new perspectives and critical observations on mediated human communication.

Perfect for undergraduate and graduate students in journalism, technical communication, speech communication, technology history, sociology, anthropology, computer information systems, and education; it provides the latest data on innovations in telecommunication. The second edition of *Digital Universe: The Global Telecommunication Revolution* will be an invaluable resource for anyone with an interest in the evolution of the internet, new telecommunication technologies, communication privacy and surveillance, the rise of social media, and the consequences of the diffusion of information and communication technologies.

JANUARY 2022 300PP  
978-1-119-63094-4 PB \$69.95 (Japan)  
MASS COMMUNICATION

## 文化研究

**A Companion to Japanese Cinema**

DAVID DESSER

**Go beyond Kurosawa and discover an up-to-date and rigorous examination of historical and modern Japanese cinema**

In *A Companion to Japanese Cinema*, distinguished cinematic researcher David Desser delivers insightful new material on a fascinating subject, ranging from the introduction and exploration of under-appreciated directors, like Uchida Tomu and Yoshimura Kozaburo, to an appreciation of the Golden Age of Japanese cinema from the point of view of little-known stars and genres of the 1950s.



This *Companion* includes new resources that deal in-depth with the issue of gender in Japanese cinema, including a sustained analysis of Kawase Naomi, arguably the most important female director in Japanese film history.

Readers will appreciate the astute material on the connections and relationships that tie together Japanese television and cinema, with implications for understanding the modern state of Japanese film. The *Companion* concludes with a discussion of the Japanese media's response to the 3/11 earthquake and tsunami that devastated the nation.

Perfect for upper-level undergraduate and graduate students studying Japanese and Asian cinema, *A Companion to Japanese Cinema* is a must-read reference for anyone seeking an insightful and contemporary discussion of modern scholarship in Japanese cinema in the 20th and 21st centuries.

SERIES: WILEY BLACKWELL COMPANIONS TO NATIONAL CINEMAS

JANUARY 2022 UnknownPP  
978-1-118-95532-1 CL \$185.00 (Japan)  
Film Theory

## 古典学

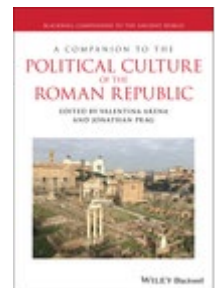
**A Companion to the Political Culture of the Roman Republic**

VALENTINA ARENA &amp; JONATHAN R. W. PRAG

University College London; University of Oxford

SERIES: BLACKWELL COMPANIONS TO THE ANCIENT WORLD

JANUARY 2022 688PP  
978-1-4443-3965-9 CL \$199.95 (Japan)  
Ancient & Classical Studies





## Greek and Roman Slaveries

KOSTAS VLASSOPOULOS & EFTYCHIA BATHRELOU

University of Nottingham; University of Edinburgh

**A rich and stimulating exploration of sources shedding light on slavery in Greek and Roman societies**

*Greek and Roman Slaveries* offers readers an engaging and interactive approach to the complex economic, social, and political processes and contexts in which slavery was employed by Greek and Roman societies. At the same time, this sourcebook places the agency of enslaved persons at center stage, while also tracing changes over time and between different ancient slave systems.

Tackling a phenomenon that was fundamental to Greek and Roman cultures, and deeply affected all of their economic, social, political, and cultural practices, this book includes a rich collection of literary, epigraphic, papyrological, and archaeological sources, many of which largely unfamiliar to non-specialists. The sources range chronologically from the archaic period to late antiquity and cover the whole of the Mediterranean, the Near East, and temperate Europe.

*Greek and Roman Slaveries* also provides readers with:

- A wide range of textual, visual, and material sources, many of which have never been used to illuminate a discussion of slavery
- Sources relating to the whole of the Mediterranean world, from the archaic period to late antiquity
- Interactive material filled with questions, introductions, cross-references, and bibliographies that encourages close analysis of the sources
- The inclusion of topics that have traditionally generated important research as well as ones at the forefront of innovative research today

Ideal for students taking undergraduate and graduate courses on ancient slavery, as well as courses on slavery more generally, *Greek and Roman Slaveries* is an indispensable sourcebook for students and scholars of History, Classics, Ancient History, Classical Archaeology, and the global study of slavery and race.

SERIES: BLACKWELL SOURCEBOOKS IN ANCIENT HISTORY

JANUARY 2022 UnknownPP  
978-1-118-96929-8 PB \$44.95 (Japan)  
Ancient & Classical Studies

## A Practical Approach to Special Care in Dentistry

EDITOR PEDRO DIZ DIOS & EDITOR NAVDEEP KUMAR

Santiago de Compostela University, Spain

**Learn to treat dental patients with disabilities or who are medically compromised**

*A Practical Approach to Special Care in Dentistry* delivers a comprehensive and robust overview of special care dentistry reflecting the most common compromised clinical conditions dentists will regularly encounter. It discusses more than 50 topics based on real-world clinical cases focusing on two main areas: patients with disabilities and medically compromised patients.

The book uses a problem-based learning approach and helps the reader to apply knowledge in a clinical case context. Each chapter contains a case report establishing the main risk factors relating to the provision of dental treatment. That is followed by a practical and realistic set of adaptations for the reader to follow to minimise the rate and severity of potential complications for their patient. The book also includes:

- A thorough introduction to patients suffering from disabilities, including physical disabilities, like cerebral palsy and epilepsy, and cognitive impairments, like Down's Syndrome
- Comprehensive explorations of the treatment of medically compromised patients, like those with infectious diseases, endocrine diseases, hepatorenal disease, and cardiovascular disease
- Practical discussions of other special patient situations, like those with allergies, antiresorptive and antiangiogenic drugs, terminal patients, underhoused patients, and pregnant or breastfeeding patients

Perfect for general dentists, undergraduate students of odontology, and graduate students of special care dentistry, *A Practical Approach to Special Care in Dentistry* is also a must-read resource for dental specialists in special care dentistry, hospital odontology, geriatric odontology, oral surgery, and dental hygienists.

JANUARY 2022 180PP  
978-1-119-60004-6 CL \$105.00 (Japan)  
General Dentistry

## 教育

## The Wiley Handbook of Collaborative Online Learning and Global Engagement

EDITOR DEIRDRE JOHNSTON & EDITOR IRENE LOPEZ

Hope College, MI, USA; Kenyon College, OH, USA

**Presents best practices for faculty and administrators developing globally-connected courses, including learning objectives, collaborative assignments, and logistical planning**

As political instability, pandemic risks, rising costs, new requirements for experiential learning, and other factors make it increasingly difficult for students to study abroad, there is growing interest in globalizing and internationalizing the curricula of colleges and universities worldwide. *The Wiley Handbook of Collaborative Online Learning and Global Engagement* is designed to help educators develop and conduct high-impact, globally-connected courses across the humanities, the fine arts, and the social and natural sciences.



This comprehensive guide covers collaborative practices, course design variables, student learning approaches, logistical planning, and more. An international team of contributors from diverse geographic, cultural, and academic backgrounds offer insight into enhancing pedagogical practice, coordinating study abroad experiences, and promoting both students' and faculty's global competencies. Throughout the text, numerous real-world case studies, interactive and experiential assignments, sample syllabi, course bibliographies, and links to web and media resources reinforce best practices for course design, learning objectives, and pedagogy development.

Featuring multiple cultural perspectives and international contexts, *The Wiley Handbook of Collaborative Online Learning and Global Engagement* is a valuable guide and reference for faculty and administrators involved in teaching, planning, implementing, or assessing courses with global learning outcomes.

SERIES: WILEY HANDBOOKS IN EDUCATION

JANUARY 2022 UnknownPP  
978-1-119-63477-5 CL \$210.00 (Japan)  
Online Teaching and Learning

## 電気電子工学

## Open RAN Explained

The New Era of Radio Networks

JYRKI T. J. PENTTINEN

Nokia Siemens Networks

Network architectures have evolved considerably since the 1980s, yet the basic principle of the radio and core networks has remained largely the same. Traditionally, mobile operators managed a set of network elements and their hardware and software dedicated to their respective functions. Only recently, and largely thanks to the service-based architecture model of the 5G, the *virtualization* of network functions has become possible. At the same time, the established and new standardization bodies are updating the traditional models to reflect this evolution, so operators finally have additional options to design and deploy modern networks such as virtual and Open RAN models. In Europe, Deutsche Telekom, Orange, Telefónica and Vodafone have recently signed a Memorandum of Understanding to implement Open RAN across Europe, ensuring that a strong ecosystem of companies emerges in the continent; Orange wants all its network upgrades to be Open RAN from 2025 which puts pressure on traditional equipment suppliers to adapt to new open standards. Similar plans are afoot in the USA and Japan. The Open RAN (open radio-access network), therefore, is already reality. Yet, the ecosystem lacks information sources to understand the concept and its potential. This book would help operators, equipment manufacturers, service providers, regulators, and educational institutes alike to understand and explore the principles and details of the Open RAN.

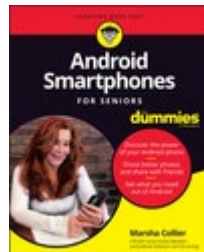
JANUARY 2022 250PP  
978-1-119-84704-5 CL \$130.00 (Japan)  
Communication Technology

## Android Smartphones For Seniors For Dummies

MARSHA COLLIER, NORTHRIDGE, UNITED STATES

**The quickest and easiest way to outsmart your Android smartphone**

Android smartphones, like the Samsung Galaxy and Google Pixel models, offer great ways to simplify and enhance your life. From easy ways to stay in touch with your friends and family to helpful reminders for everyday tasks, Android phones can keep you connected and current at all times. Sometimes, though, the learning curve can seem a little steep.



But it doesn't have to! *Android Phones For Seniors For Dummies* is your one-stop guide to discovering the essentials on how to take charge of your Android-powered phone. It skips the techspeak and confusing jargon to deliver key information in a straightforward and reader-friendly way.

With this book, you'll learn to:

- Navigate your way around your smartphone so you can easily open and close apps, access info, and see photos
- Read your email and messages so you can stay in touch with the important people in your life
- Secure your phone so you can be assured that you, and only you, can access the sensitive data on it

Printed using larger-print type and accompanied by full-color pictures that show you how to apply the step-by-step instructions, this easy handbook is the only resource you'll need to make the most of your Android phone.

JANUARY 2022 336PP  
978-1-119-82848-8 PB \$29.99 (Japan)  
Mobile & Wireless Communications

## Electromagnetic Radiation, Scattering, and Diffraction

PRABHAKAR H PATHAK & ROBERT J BURKHOLDER

**Discover a graduate-level text for students specializing in electromagnetic wave radiation, scattering, and diffraction for engineering applications**

In *Electromagnetic Radiation, Scattering and Diffraction*, distinguished authors Drs. Prabhakar H. Pathak and Robert J. Burkholder deliver a thorough exploration of the behavior of electromagnetic fields in radiation, scattering, and guided wave environments. The book tackles its subject from first principles and includes coverage of low and high frequencies. It stresses physical interpretations of the electromagnetic wave phenomena along with their underlying mathematics.



The authors emphasize fundamental principles and provide numerous examples to illustrate the concepts contained within. Students with a limited undergraduate electromagnetic background will rapidly and systematically advance their understanding of electromagnetic wave theory until they can complete useful and important graduate-level work on wave electromagnetic problems.

*Electromagnetic Radiation, Scattering and Diffraction* also serves as a practical companion for students trying to simulate problems with commercial EM software and trying to better interpret their results.

Perfect for graduate students studying electromagnetic theory, *Electromagnetic Radiation, Scattering, and Diffraction* is an invaluable resource for professional electromagnetic engineers and researchers working in this area.

SERIES: IEEE PRESS SERIES ON ELECTROMAGNETIC WAVE THEORY

JANUARY 2022 1136PP  
978-1-119-81051-3 CL \$175.00 (Japan)  
Electromagnetic Theory



## Electromagnetic Vortices

Wave Phenomena and Engineering Applications

EDITOR ZHI HAO JIANG & EDITOR DOUGLAS H. WERNER

The Pennsylvania State University

**Discover the most recent advances in electromagnetic vortices**

In *Electromagnetic Vortices: Wave Phenomena and Engineering Applications*, a team of distinguished researchers delivers a cutting-edge treatment of the research and development of electromagnetic vortex waves, including their related wave properties and several potentially transformative applications.



The book is divided into three parts. The editors first include resources that describe the generation, sorting, and manipulation of vortex waves, as well as descriptions of interesting wave behavior in the infrared and optical regimes with custom-designed nanostructures. They then discuss the generation, multiplexing, and propagation of vortex waves at the microwave and millimeter-wave frequencies. Finally, the selected contributions discuss several representative practical applications of vortex waves from a system perspective.

Perfect for students of wireless communications, antenna/RF design, optical communications, and nanophotonics, *Electromagnetic Vortices: Wave Phenomena and Engineering Applications* is also an indispensable resource for researchers at large defense contractors and government labs.

SERIES: IEEE PRESS SERIES ON ELECTROMAGNETIC WAVE THEORY

JANUARY 2022 560PP  
978-1-119-66282-2 CL \$150.00 (Japan)  
Electromagnetic Theory

## Building Electro-Optical Systems

Making It All Work, 3rd Edition

PHILIP C. D. HOBBS

IBM Thomas J. Watson Research Center

**A mentor-in-a-box for anyone working with electro-optical systems**

In the newly revised third edition of *Building Electro-Optical Systems: Making It All Work*, renowned Dr. Philip C. D. Hobbs delivers a birds-eye view of all the topics you'll need to understand for successful optical instrument design and construction. The author draws on his own work as an applied physicist and consultant with over a decade of experience in designing and constructing electro-optical systems from beginning to end.



The book's topics are chosen to allow readers in a variety of disciplines and fields to quickly and confidently decide whether a given device or technique is appropriate for their needs. Using accessible prose and intuitive organization, *Building Electro-Optical Systems* remains one of the most practical and solution-oriented resources available to graduate students and professionals.

The newest edition includes comprehensive revisions that reflect progress in the field of electro-optical instrument design and construction since the second edition was published. It also offers approximately 350 illustrations for visually oriented learners.

Perfect for graduate students in physics, electrical engineering, optics, and optical engineering, *Building Electro-Optical Systems* is also an ideal resource for professional designers working in optics, electro-optics, analog electronics, and photonics.

SERIES: WILEY SERIES IN PURE AND APPLIED OPTICS

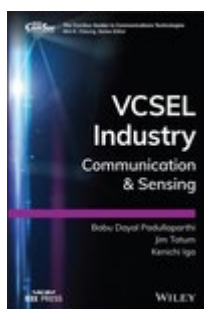
JANUARY 2022 UnknownPP  
978-1-119-43897-7 CL \$140.00 (Japan)  
PHOTONICS & LASERS

## VCSEL Industry

Communication and Sensing

BABU PADULLAPARTHI DAYAL, JIM TATUM & KENICHI IGA

This book is oriented to be used as a reference guide by young entrepreneurs, investors, VCs, and researchers on VCSEL technologies and its commercial products in daily lives. It consists of a basic introduction to VCSEL technology, the materials and wavelengths involved, its advantages and characteristics, functionality as a data/image transmitter (including receivers), high demand of VCSELs products in Photonics. On the business side, it describes the industry's landscape on market demands, business models, high volume manufacturing challenges, key players, supply chain, trade control effects, die-cost, providing a few popular examples of commercial products in daily use by customers. The book ends with conclusions regarding the future scope of VCSELs in industrial, medical, smart-home, Si-Photonics & CMOS etc. applications.



SERIES: THE COMSOC GUIDES TO COMMUNICATIONS TECHNOLOGIES

JANUARY 2022 UnknownPP  
978-1-119-78219-3 CL \$110.00 (Japan)  
Semiconductors

## Artificial Intelligence and Quantum Computing for Advanced Wireless Networks

SAVO G. GLISIC, FINLAND & BEATRIZ LORENZO

University of Oulu, Finland; University of Oulu, Finland

**A practical overview of the implementation of artificial intelligence and quantum computing technology in large-scale communication networks**

Increasingly dense and flexible wireless networks require the use of artificial intelligence (AI) for planning network deployment, optimization, and dynamic control. Machine learning algorithms are now often used to predict traffic and network state in order to reserve resources for smooth communication with high reliability and low latency.



In *Artificial Intelligence and Quantum Computing Technology in Advanced Wireless Networks*, the authors deliver a practical and timely review of AI-based learning algorithms, with several case studies in both Python and R. The book discusses the game-theory-based learning algorithms used in decision making, along with various specific applications in wireless networks, like channel, network state, and traffic prediction. Additional chapters include Fundamentals of ML, Artificial Neural Networks (NN), Explainable and Graph NN, Learning Equilibria and Games, AI Algorithms in Networks, Fundamentals of Quantum Communications, Quantum Channel, Information Theory and Error Correction, Quantum Optimization Theory, and Quantum Internet, to name a few. The authors offer readers an intuitive and accessible path from basic topics on machine learning through advanced concepts and techniques in quantum networks.

Perfect for network engineers, researchers, and graduate and master's students in computer science and electrical engineering, *Artificial Intelligence and Quantum Computing Technology in Advanced Wireless Networks* is also an indispensable resource for IT support staff, along with policymakers and regulators who work in technology.

JANUARY 2022 848PP  
978-1-119-79029-7 CL \$140.00 (Japan)  
Quantum Computing

## Quantum Computing in Cybersecurity and Artificial Intelligence

ISHAANI PRIYADARSHINI & RHOHIT SHARMA

SERIES: ADVANCES IN QUANTUM COMPUTING

JANUARY 2022 450PP  
978-1-119-76185-3 CL \$225.00 (Japan)  
Quantum Computing

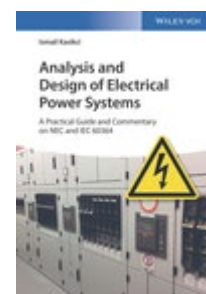
## Analysis and Design of Electrical Power Systems

A Practical Guide and Commentary on NEC and IEC 60364

ISMAIL KASIKCI

University of Applied Sciences, Heilbronn, Germany

### A one-stop resource on how to design standard-compliant low voltage electrical systems



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

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

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

JANUARY 2022 1000PP  
978-3-527-34137-5 CL \$170.00 (Japan)  
Power Electronics

## Introduction to the Analysis of Electromechanical Systems

PAUL C. KRAUSE, OLEG WASYNCHUK & TIMOTHY O'CONNELL

Purdue University, IN; Purdue University, IN

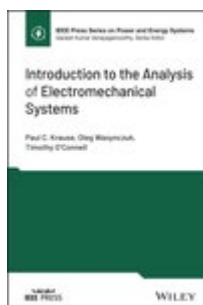
**Discover the analytical foundations of electric machine, power electronics, electric drives, and electric power systems**

In *Introduction to the Analysis of Electromechanical Systems*, an accomplished team of engineers delivers an accessible and robust analysis of fundamental topics in electrical systems and electrical machine modeling oriented to their control with power converters. The book begins with an introduction to the electromagnetic variables in rotatory and stationary reference frames before moving onto descriptions of electric machines.

The authors discuss direct current, round-rotor permanent-magnet alternating current, and induction machines, as well as brushless direct current and induction motor drives. Synchronous generators and various other aspects of electric power system engineering are covered as well, showing readers how to describe the behavior of electromagnetic variables and how to approach their control with modern power converters.

*Introduction to the Analysis of Electromechanical Systems* presents analysis techniques at an introductory level and at sufficient detail to be useful as a prerequisite for higher level courses. It also offers supplementary materials in the form of online animations and videos to illustrate the concepts contained within.

Perfect for researchers and industry professionals in the area of power and electric drives, *Introduction to the Analysis of Electromechanical Systems* will also earn its place in the libraries of senior undergraduate and graduate students and professors in these fields.



SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

JANUARY 2022 UnknownPP  
978-1-119-82999-7 CL \$135.00 (Japan)  
Power Electronics

## Power Magnetic Devices

A Multi-Objective Design Approach, 2nd Edition

SCOTT D. SUDHOFF

Purdue University, IN

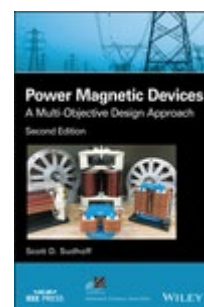
**Discover a cutting-edge discussion of the design process for power magnetic devices**

In the newly revised second edition of *Power Magnetic Devices: A Multi-Objective Design Approach*, accomplished engineer and author Dr. Scott D. Sudhoff delivers a thorough exploration of the principles of design in power magnetic devices like inductors, transformers, electromagnets, and rotating electric machinery.

The book includes new chapters on numerical methods of magnetic analysis and inverter three-phase filter design and elaborates on characteristics of power electronics that are required knowledge in magnetics. The author provides information on advanced loss models and the characterization of magnetic materials, as well as:

- A thorough introduction to evolutionary computing-based optimization and useful magnetic analysis techniques
- Discussions of elementary inductor design, force and torque production, and electromagnet design
- Treatments of transformer design and conductor losses, as well as inductor design in the context of a buck converter

Perfect for practicing power engineers and designers, *Power Magnetic Devices* will also earn a place in the libraries of undergraduate and graduate students taking courses in electromechanical and electromagnetic design, as well as time domain simulation.



SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

JANUARY 2022 656PP  
978-1-119-67460-3 CL \$145.00 (Japan)  
POWER ELECTRONICS

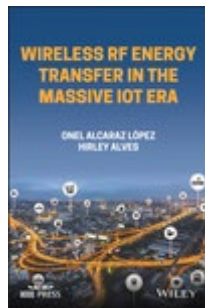
## エネルギー

## Wireless RF Energy Transfer in the Massive IoT Era

HIRLEY ALVES & ONEL ALCARAZ LÓPEZ

### A deep dive into wireless energy transfer technologies for IoT networks

In *Wireless Energy Transfer: Towards Sustainable Zero-Energy IoT Networks*, distinguished researchers Onel L. A. López and Hirley Alves deliver a robust discussion of massive wireless energy transfer and zero-energy, low-cost, Internet of Things networks. Moving beyond the basic theoretical background of the subject, the authors offer a deep analysis of the scenarios and requirements of wireless energy transfer.



The book details novel powering schemes recently proposed to face the challenging requirements of the future Internet of Things, as well as a comprehensive review of sustainable IoT wireless networks.

*Wireless Energy Transfer* explains why novel energy efficient solutions will be needed to address the sheer volume of devices currently forecasted to be used in the near future. It explores the challenges technologists and users will face as well as proposed solutions and future research directions.

Perfect for students and researchers in signal processing, communications, networking, and information theory, *Wireless Energy Transfer: Towards Sustainable Zero-Energy IoT Networks* will also earn a place in the libraries of students and practitioners in the fields of communication hardware and transceiver design.

SERIES: IEEE PRESS

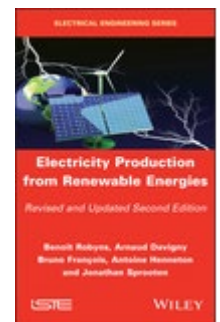
JANUARY 2022 320PP  
978-1-119-71866-6 CL \$135.00 (Japan)  
Power Electronics

## Electricity Production from Renewable Energies

2nd Edition

EDITOR BENOIT ROBYNS, EDITOR ARNAUD DAVIGNY, EDITOR BRUNO FRANCOIS, EDITOR ANTOINE HENNETON & EDITOR JONATHAN SPROOTEN

Since the early 2000s, energy and environmental issues have led to a marked increase in electricity production from renewable energy sources. Sustainable development and concern for future generations constantly challenge us to develop new technologies for energy production, as well as new energy usage patterns. Their rapid emergence can make these new technologies difficult to understand and can thus affect perceptions.



Directed towards a broad audience, this book contributes to a better understanding of new electricity generation technologies. It presents the issues, sources and means of conversion using a general approach, while developing scientific concepts to understand their main technical characteristics.

This revised and extended second edition presents current data characterizing the development of these renewable energy sources, covering emerging photovoltaic and tidal technologies, offshore wind power, and recent developments on the integration of these sources into the electricity grid. The emergence of self-production and self-consumption is also addressed. In addition, several exercises provide the reader with an opportunity to evaluate their understanding.

JANUARY 2022 384PP  
978-1-78630-661-6 CL \$165.00 (Japan)  
RENEWABLE ENERGY



## Smart Solar PV Inverters with Advanced Grid Support Functionalities

RAJIV K. VARMA

University of Western Ontario, Canada

**Learn the fundamentals of smart photovoltaic (PV) inverter technology with this insightful one-stop resource**

*Smart Solar PV Inverters with Advanced Grid Support Functionalities* presents a comprehensive coverage of smart PV inverter technologies in alleviating grid integration challenges of solar PV systems and for additionally enhancing grid reliability. Accomplished author Rajiv Varma systematically integrates information from the wealth of knowledge on smart inverters available from EPRI, NREL, NERC, SIWG, EU-PVSEC, CIGRE, IEEE publications; and utility experiences worldwide. The book further presents a novel, author-developed and patented smart inverter technology for utilizing solar PV plants both in the night and day as a Flexible AC Transmission System (FACTS) Controller STATCOM, named PV-STATCOM. Replete with case studies, this book includes over 600 references and 280 illustrations.

Perfect for system planners and system operators, utility engineers, inverter manufacturers and solar farm developers, this book will prove to be an important resource for academics and graduate students involved in electrical power and renewable energy systems.



JANUARY 2022 512PP  
978-1-119-21418-2 CL \$135.00 (Japan)  
Solar Energy & Photovoltaics

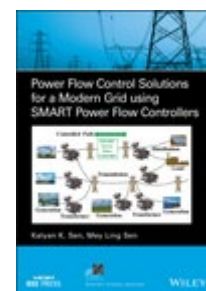
## Power Flow Control Solutions for a Modern Grid Using SMART Power Flow Controllers

KALYAN K. SEN & MEY LING SEN

Westinghouse Electro-Mechanical Division Technology Center and SEN Engineering Solutions

**Provides students and practicing engineers with the foundation required to perform studies of power system networks and mitigate unique power flow problems**

*Power Flow Control Solutions for a Modern Grid using SMART Power Flow Controllers* is a clear and accessible introduction to power flow control in complex transmission systems. Starting with basic electrical engineering concepts and theory, the authors provide step-by-step explanations of the modeling techniques of various power flow controllers (PFCs), such as the voltage regulating transformer (VRT), the phase angle regulator (PAR), and the unified power flow controller (UPFC). The textbook covers the most up-to-date advancements in the Sen transformer (ST), including various forms of two-core designs and hybrid architectures for a wide variety of applications. Beginning with an overview of the origin and development of modern power flow controllers, the authors explain each topic in straightforward engineering terms--corroborating theory with relevant mathematics. Throughout the text, easy-to-understand chapters present characteristic equations of various power flow controllers, explain modeling in the Electromagnetic Transients Program (EMTP), compare transformer-based and mechanically-switched PFCs, discuss grid congestion and power flow limitations, and more.



Written by two acknowledged leaders in the field, *Power Flow Control Solutions for a Modern Grid* using SMART Power Flow Controllers is an ideal textbook for graduate students in electrical engineering, and a must-read for power engineering practitioners, regulators, and researchers.

SERIES: IEEE PRESS SERIES ON POWER AND ENERGY SYSTEMS

JANUARY 2022 UnknownPP  
978-1-119-82435-0 CL \$145.00 (Japan)  
Power Technology & Power Engineering

## 環境科学

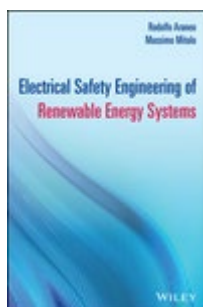
## Electrical Safety Engineering of Renewable Energy Systems

RODOLFO ARANEO & MASSIMO MITOLO

University of Roma

**A reference to designing and developing electrical systems connected to renewable energies**

*Electrical Safety Engineering of Renewable Energy Systems* is an authoritative text that offers an in-depth exploration to the safety challenges of renewable systems. The authors--noted experts on the topic--cover a wide-range of renewable systems including photovoltaic, wind, and cogeneration and propose a safety-by-design approach. The book clearly illustrates safe behavior in complex real-world renewable energy systems using practical approaches.



The book contains a review of the foundational electrical engineering topics and highlights how safety engineering links to the renewable energies. Designed as an accessible resource, the text discusses the most relevant and current topics supported by rigorous analytical, theoretical and numerical analyses. The authors also provide guidelines for readers interested in practical applications. This important book:

- \* Reviews of the major electrical engineering topics
- \* Shows how safety engineering links to the renewable energies
- \* Discusses the most relevant current topics in the field
- \* Provides solid theoretical and numerical explanations

Written for students and professional electrical engineers, *Electrical Safety Engineering of Renewable Energy Systems* explores the safety challenges of renewable systems and proposes a safety-by-design approach, which is currently missing in current literature.

SERIES: IEEE PRESS

JANUARY 2022 304PP  
978-1-119-62498-1 CL \$135.00 (Japan)  
Electric Power Systems

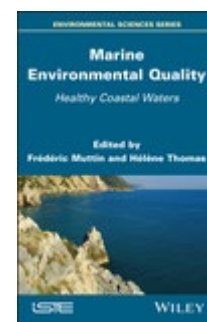
## Marine Environmental Quality

Healthy Coastal Waters

EDITOR FREDERIC MUTTIN & EDITOR HELENE THOMAS

EIGSI, La Rochelle, France

Understanding marine pollution and the contamination of coastal environments requires knowledge from a variety of scientific fields. *Marine Environmental Quality* promotes a multidisciplinary approach to investigations, drawing on not only natural sciences, but also applied mathematics and social sciences.



The investigations in this book focus on both organic and inorganic pollutants, firstly in a study conducted in the city of La Rochelle, on the North Atlantic French coast, then expanding the areas under examination to regions of English and Portuguese waters and, lastly, to the Mediterranean Sea. The improvement such research can bring to biomarkers, models and experiments enables equal progress in the quality of seawater in ports and protected areas of coastal regions.

The eight chapters of *Marine Environmental Quality* present many aspects of this research, including experiments with floating barriers, water governance in various areas, sampling sites and sentinel species that act as biomarkers in harbors. Also covered are environmental commitments, both international and local, the risk that marine contamination poses to human health, experimental designs for interactions with microplastics and a study biomonitoring the juveniles of sentinel species. Such results will bring many benefits, to human health, to economic inclusion and to regional development.

JANUARY 2022 208PP  
978-1-78630-758-3 CL \$165.00 (Japan)  
Environmental Science



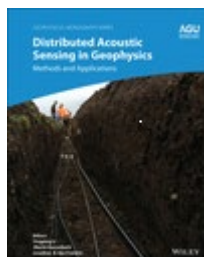
## 地球科学

**Distributed Acoustic Sensing in Geophysics**

Methods and Applications

EDITOR YINGPING LI, EDITOR MARTIN KARRENBACH &amp; EDITOR JONATHAN AJO-FRANKLIN

Distributed Acoustic Sensing (DAS) is a technology that records sound and vibration signals along a fiber optic cable. Its advantages of high resolution, continuous, and real-time measurements mean that DAS systems have been rapidly adopted for a range of applications, including hazard mitigation, energy industries, geohydrology, environmental monitoring, and civil engineering.



*Distributed Acoustic Sensing in Geophysics: Methods and Applications* presents experiences from both industry and academia on using DAS in a range of geophysical applications.

**Volume highlights include:**

- DAS concepts, principles, and measurements
- Comprehensive review of the historical development of DAS and related technologies
- DAS applications in hydrocarbon, geothermal, and mining industries
- DAS applications in seismology
- DAS applications in environmental and shallow geophysics

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

SERIES: GEOPHYSICAL MONOGRAPH SERIES

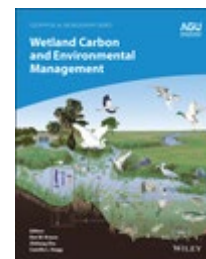
JANUARY 2022 336PP  
978-1-119-52179-2 CL \$199.95 (Japan)  
Geology & Geophysics

**Wetland Carbon and Environmental Management**

EDITOR KEN W. KRAUSS, EDITOR ZHILIANG ZHU &amp; EDITOR CAMILLE STAGG

**Explores how the management of wetlands can influence carbon storage and fluxes**

Wetlands are vital natural assets, including their ability to take-up atmospheric carbon and restrict subsequent carbon loss to facilitate long-term storage. They can be deliberately managed to provide a natural solution to mitigate climate change, as well as to help offset direct losses of wetlands from various land-use changes and natural drivers.



*Wetland Carbon and Environmental Management* presents a collection of wetland research studies from around the world to demonstrate how environmental management can improve carbon sequestration while enhancing wetland health and function.

**Volume highlights include:**

- Overview of carbon storage in the landscape
- Introduction to wetland management practices
- Comparisons of natural, managed, and converted wetlands
- Impact of wetland management on carbon storage or loss
- Techniques for scientific assessment of wetland carbon processes
- Case studies covering tropical, coastal, inland, and northern wetlands
- Primer for carbon offset trading programs and how wetlands might contribute

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

SERIES: GEOPHYSICAL MONOGRAPH SERIES

JANUARY 2022 480PP  
978-1-119-63928-2 CL \$199.95  
Geophysics

## Hydrologie, climat et biogéochimie du bassin du Congo

EDITOR DOUGLAS ALSDORF, EDITOR RAPHAEL TSHIMANGA &  
EDITOR GUY MOUKANDI

SERIES: GEOPHYSICAL MONOGRAPH SERIES

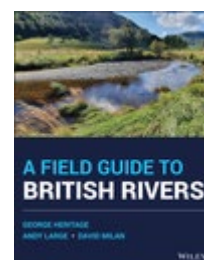
JANUARY 2022 576PP  
978-1-119-84209-5 CL \$219.95 (Japan)  
Hydrological Sciences

## A Field Guide to British Rivers

GEORGE HERITAGE, ANDY LARGE & DAVID MILAN

University of Salford, UK; University of Newcastle; University of Hull

Temperate rivers are influenced by many factors including geology, climate, soils, sediment type, flow, as well as human activity. The complex interactions of the non-anthropogenic controlling factors have led to a wonderful diversity of river type throughout the British Isles. Sadly, almost all rivers in the UK have suffered significant and long-lasting modification by unsympathetic management, that has all but destroyed this variety, creating watercourses that are simplified conduits for water and sediment, designed primarily to drain the land and reduce flood risk. This volume aims to help reverse this, illustrating using over 200 images and descriptions, this variety of rivers in Britain, highlighting the many forms that temperate river systems take and providing an accessible summary of the underlying river science knowledge base.



*A Field Guide to British Rivers* covers the full range of upland and lowland channel types and describes the full variety of substrate conditions from bedrock through boulder, cobble and gravel, to silt dominated systems. The authors describe examples gathered from their extensive research and practical experience working with rivers throughout mainland Britain and set those examples in their wider landscape context to exemplify the natural functioning of temperate river types. This book offers a practical and contextualised guide to contribute to efforts towards the sympathetic and sustainable restoration and re-naturalisation of degraded channels in the UK. Offering a unique viewpoint of both the underpinning science and the practicalities of river management, *A Field Guide to British Rivers* is an essential stand-alone guide for anyone involved in river restoration and management as well as for those simply interested in rivers in general.

JANUARY 2022 208PP  
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Fluvial Hydrology & Limnology

## ファイナンス／インベストメント

**The Elements of Investing**

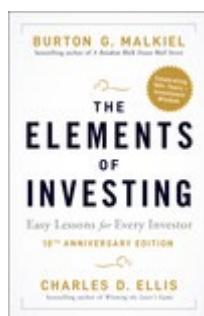
Easy Lessons for Every Investor

10th Anniversary Edition

BURTON G. MALKIEL &amp; CHARLES D. ELLIS

**Seize control of your financial future with rock-solid advice from two of the world's leading investment experts**

Investors today are bombarded with conflicting advice about how to handle the increasingly volatile stock market. From pronouncements of the "death of diversification" to the supposed virtues of crypto, investors can be forgiven for being thoroughly confused.



It's time to return to the basics. In the 10th Anniversary Edition of *The Elements of Investing: Easy Lessons for Every Investor*, investment legends Burton G. Malkiel and Charles D. Ellis deliver straightforward, digestible lessons in the investment rules and principles you need to follow to mitigate risk and realize long-term success in the markets.

Divided into six essential elements of investing, this concise book will teach you how to:

- Focus on the long-term and ignore short-term market fluctuations and movements
- Use employer-sponsored plans to supercharge your savings and returns and minimize your taxes
- Understand crucial investment subjects, like diversification, rebalancing, dollar-cost averaging, and indexing

So, forget the flavor of the week. Stick with the timeless and invaluable advice followed by the world's most successful retail investors.

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General Finance & Investments

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3rd Edition

RUSSELL WILD, PHILADELPHIA, UNITED STATES

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*Exchange-Traded Funds For Dummies*, 3rd Edition will guide readers through the investment process so they invest wisely and learn to make a profit. The stock market can seem daunting, but with the help of Dummies, anyone can learn how to invest in ETFs. They're transparent, easy to trade, and tax-efficient. Don't be scared away by the constant innovation of ETFs. Get ahead of the curve and start investing with confidence.



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GENERAL FINANCE & INVESTMENTS

## Transforming a Federal Agency

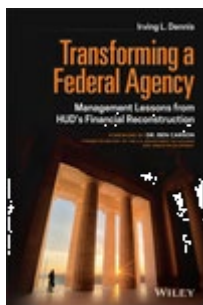
Management Lessons from HUD's Financial Reconstruction

IRVING (IRV) DENNIS

**Discover how the author transformed a massive government department in just a few years and fixed seemingly unfixable problems**

In *Transforming a Federal Agency: Management Lessons from HUD's Financial Reconstruction*, finance and strategy expert

Irving (Irv) L. Dennis delivers an insightful and eye-opening exploration of the lessons he learned in bringing private sector experience to the transformation of the US Department of Housing and Urban Development's financial systems.



Pulled out of retirement after a 37-year career at Ernst & Young (EY), the author's tenure at HUD involved a rapid and surgical rejuvenation of their financial infrastructure. The book details the ten management areas he focused on and also includes:

- The transformation process and the barriers and roadblocks the author encountered on his journey
- Ensuring an enduring transformation even after changes in administration
- Functional differences between the private sector and governmental organizations
- How the author approached his first 100 days as Chief Financial Officer of the Department
- Insights into the innerworkings of the Executive Branch of government

Perfect for government employees, finance professionals in the public and private sectors, and business students, *Transforming a Federal Agency* is a simultaneously fascinating and instructive journey through the remediation of seemingly intractable financial mismanagement.

JANUARY 2022 352PP  
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General Finance & Investments

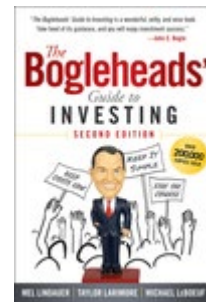
## The Bogleheads' Guide to Investing

2nd Edition

MEL LINDAUER, TAYLOR LARIMORE, MICHAEL LEBOEUF &  
FOREWORD BY JOHN C. BOGLE

**The irreverent guide to investing, Boglehead style**

*The Boglehead's Guide to Investing* is a DIY handbook that espouses the sage investment wisdom of John C. Bogle. This witty and wonderful book offers contrarian advice that provides the first step on the road to investment success, illustrating how relying on typical "common sense" promoted by Wall Street is destined to leave you poorer. This updated edition includes new information on backdoor Roth IRAs and ETFs as mainstream buy and hold investments, estate taxes and gifting, plus changes to the laws regarding Traditional and Roth IRAs, and 401k and 403b retirement plans. With warnings and principles both precisely accurate and grandly counterintuitive, the Boglehead authors show how beating the market is a zero-sum game.



Investing can be simple, but it's certainly not simplistic. Over the course of twenty years, the followers of John C. Bogle have evolved from a loose association of investors to a major force with the largest and most active non-commercial financial forum on the Internet. *The Boglehead's Guide to Investing* brings that communication to you with comprehensive guidance to the investment prowess on display at [Bogleheads.org](http://Bogleheads.org).

Financial markets are essentially closed systems in which one's gain garners another's loss. Investors looking for a roadmap to successfully navigating these choppy waters long-term will find expert guidance, sound advice, and a little irreverent humor in *The Boglehead's Guide to Investing*.

JANUARY 2022 336PP  
978-1-119-84767-0 PB \$22.00 (Japan)  
9781118921289 CL 26.95 (Japan), Published, SEPT 2014  
PERSONAL FINANCE

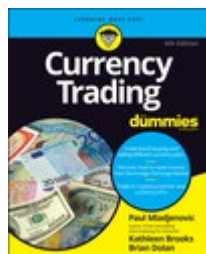
## Currency Trading For Dummies

4th Edition

PAUL MLADJENOVIC, ENGLEWOOD CLIFFS, UNITED STATES

**Trade currencies like a seasoned pro with this friendly, fact-filled guide to the forex market**

Over \$6 trillion changes hands in the foreign exchange market every day. You can jump straight into the action with expert guidance from the hands-on *Currency*



*Trading For Dummies*. You'll learn how the foreign exchange market works, what factors influence currency values, and how to understand financial data. When you're ready to create your own game plan for trading currencies, you'll be able to build it around your investment objectives, experience level, and risk appetite. You'll also find details on the latest trends in currency trading, including currency ETFs, cryptocurrencies, and currency options.

From essential newcomer knowledge to advanced positioning advice, *Currency*

*Trading For Dummies* offers straightforward instruction that helps you:

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- Understand the most recent Securities and Exchange Commission (SEC) rules and regulations governing currency trading
- Avoid common pitfalls and mistakes made by novice and experienced currency traders
- Recognize profitable opportunities in the world of ETFs, currency options, and cryptocurrencies

Successful currency trading is within your grasp. This accessible roadmap to trading mastery provides the foundational knowledge you need to create a structured, winning strategy and conquer the forex market.

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Your Complete Guide to Everything Deductible

BARBARA WELTMAN, UNITED STATES

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The complete guide to all deductions and credits for individual taxpayers. J.K. Lasser's 1001 Deductions and Tax Breaks shows just how much money individuals can save on their taxes--legally--simply by taking advantage of what's out there. Millions of Americans overpay their taxes by billions of dollars every year, because constantly evolving laws and regulations make keeping track of



deductions and breaks next to impossible for the everyday taxpayer. This book helps individuals put a stop to overpayment so they can keep more of their hard-earned money. J.K. Lasser has compiled a complete list of every possible deduction and credit available to American taxpayers, and provides clear, easy-to-follow instructions for claiming what is rightfully yours. Fully updated to reflect the latest rulings and laws--including an e-supplement with the latest tax developments from the IRS and Congress--this book answers all of your "Can I claim..." questions with guidance from the nation's most trusted tax advisors. It will include important information that the American Rescue Plan Act (ARPA) and the Consolidated Appropriations Act, 2021 (CAA) have on tax filings.

SERIES: J.K. LASSER

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PERSONAL FINANCE / CONSUMER TAX



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Your Complete Guide to a Better Bottom Line

BARBARA WELTMAN, UNITED STATES

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*J.K. Lasser's Small Business Taxes 2022* helps small business owners maximize their bottom line with straightforward, yet comprehensive guidance from the most trusted name in tax. Featuring a complete listing of all available business expense deductions, including dollar limits and record-keeping requirements, this book helps you quickly determine what kind of tax relief is available to you, and how to take it—all the way down to where to claim deductions on the forms themselves. Tax facts, strategies, and the latest up-to-date information help ensure that you don't miss out on money-saving opportunities, and sample forms and checklists help you get organized and submit a complete and proper filing. It will include important information that the American Rescue Plan Act (ARPA) and the Consolidated Appropriations Act, 2021 (CAA) have on tax filings.



SERIES: J.K. LASSER

JANUARY 2022 624PP  
978-1-119-83858-6 PB \$23.95 (Japan)  
PERSONAL FINANCE / CONSUMER TAX

## Alternatives

CFA INSTITUTE

**The complete guide to Alternative Investments, from experts working with CFA Institute**

*Alternative Investments* is the definitive guide to understanding non-traditional asset classes. Alternatives are a disparate group of investments that are distinguished from long-only, publicly traded investments in stocks, bonds, and cash (often referred to as traditional investments). Alternative investments include real estate, commodities, infrastructure, and other non-traditional investments such as private equity or debt and hedge funds. They are attractive to investors because of the potential for portfolio diversification resulting in a higher risk-adjusted return for the portfolio.

*Alternative Investments* and its accompanying workbook (sold separately) lead students and investment professionals through the many characteristics of non-traditional assets, including:

- Narrow specialization of the investment managers
- Relatively low correlation of returns with those of traditional investments
- Less regulation and less transparency than traditional investments
- Limited historical risk and return data
- Unique legal and tax considerations
- Higher fees, often including performance or incentive fees
- Concentrated portfolios
- Restrictions on redemptions (i.e. "lockups" and "gates")

CFA Institute is the world's premier association for investment professionals, and the governing body for the CFA, CIPM, ESG Investing and Investment Foundations programs. Those seeking a deeper understanding of the markets, mechanisms, and use of alternatives will value the level of expertise CFA Institute brings to the discussion, providing a clear, comprehensive resource for students and professionals alike. Whether used alone or in conjunction with the companion workbook, *Alternative Investments* offers a complete course in alternative investments and their role in investment management.

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Investments & Securities

## Alternatives Workbook

CFA INSTITUTE

### Hands-on practice with alternative investments based on real-world scenarios

*Alternative Investments Workbook* provides the key component of effective learning--practice. Designed for both students and investment professionals, this companion workbook conveniently aligns with the *Alternative Investments* text chapter-by-chapter, offers brief chapter summaries to refresh your memory on key points before you begin working, and explicitly lays out the learning objectives so you understand the "why" of each problem. This workbook helps you:

- Synthesize essential material from the *Alternative Investments* text using real-world applications
- Understand the key characteristics of non-traditional investments
- Work toward specific chapter objectives to internalize important information

CFA Institute is the world's premier association for investment professionals, and the governing body for the CFA, CIPM, ESG Investing and Investment Foundations programs. Those seeking a deeper understanding of the markets, mechanisms, and use of alternatives will value the level of expertise CFA Institute brings to the discussion as well as the extra practice delivered in *Alternative Investments Workbook* based on real scenarios investors face every day.

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## Derivatives

2nd Edition

CFA INSTITUTE

### The complete guide to derivatives, from experts working with CFA Institute

*Derivatives* is the definitive guide to derivatives and derivative markets. Written by experts working with CFA Institute, this book is an authoritative reference for students and investment professionals interested in the role of derivatives within comprehensive portfolio management. General discussion of the types of derivatives and their characteristics gives way to detailed examination of each market and its contracts, including forwards, futures, options, and swaps, followed by a look at credit derivative markets and their instruments. The companion workbook (sold separately) provides problems and solutions that align with the text and allows students to test their understanding while facilitating deeper internalization of the material.

Derivatives have become essential for effective financial risk management and for creating synthetic exposure to asset classes. This book builds a conceptual framework for grasping derivative fundamentals, with systematic coverage and thorough explanations. Readers will:

- Understand the different types of derivatives and their characteristics
- Delve into the various markets and their associated contracts
- Examine the role of derivatives in portfolio management
- Learn why derivatives are increasingly fundamental to risk management

CFA Institute is the world's premier association for investment professionals, and the governing body for the CFA, CIPM, ESG Investing and Investment Foundations programs. Those seeking a deeper understanding of the markets, mechanisms, and use of derivatives will value the level of expertise CFA Institute brings to the discussion, providing a clear, comprehensive resource for students and professionals alike. Whether used alone or in conjunction with the companion workbook, *Derivatives* offers a complete course in derivatives and their use in investment management.

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INVESTMENTS & SECURITIES



## Derivatives Workbook

2nd Edition

CFA INSTITUTE

### **Hands-on practice with derivatives and derivative markets based on real-world scenarios**

*Derivatives Workbook* provides the key component of effective learning--practice. Designed for both students and investment professionals, this companion workbook conveniently aligns with the *Derivatives* text chapter-by-chapter, offers brief chapter summaries to refresh your memory on key points before you begin working, and explicitly lays out the learning objectives so you understand the "why" of each problem. This workbook helps you:

- Synthesize essential material from the *Derivatives* text using real-world applications
- Understand the different types of derivatives and their characteristics
- Delve into the various markets and their associated contracts
- Examine the role of derivatives in portfolio management
- Learn why derivatives are increasingly fundamental to risk management

CFA Institute is the world's premier association for investment professionals, and the governing body for the CFA, CIPM, ESG Investing and Investment Foundations programs. Those seeking a deeper understanding of the markets, mechanisms, and use of derivatives will value the level of expertise CFA Institute brings to the discussion as well as the extra practice delivered in *Derivatives Workbook* based on real scenarios investors face every day.

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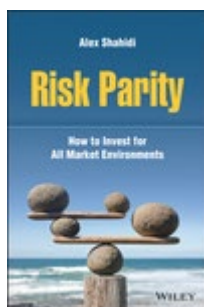
## Risk Parity

How to Invest for All Market Environments

ALEX SHAHIDI

**Target high returns and greater consistency with this insightful guide from a leading investor**

The market volatility exacerbated by the COVID-19 pandemic has led many to question their exposure to risk in their own portfolios. But what should one do about it?



In *Risk Parity: How to Invest for All Market Environments*, accomplished investment consultant Alex Shahidi delivers a powerful approach to portfolio management that reduces the potential for significant capital loss while maintaining an attractive expected return.

The book focuses on allocating capital amongst four diverse asset classes: equities, commodities, Treasury bonds, and Treasury Inflation Protected Securities. You'll learn about:

- The nature of risk and why traditional approaches to risk management unnecessarily give up potential returns or inadequately protect against catastrophic market events
- Why proper risk management is more important now than ever
- How to efficiently implement a risk parity approach

Perfect for both individual and professional investors, *Risk Parity* is a must-have resource for anyone seeking to increase consistency in their portfolio by building a truly balanced asset allocation.

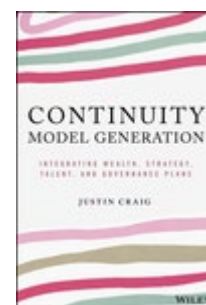
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Investments & Securities

## Continuity Model Generation

Integrating Wealth, Strategy, Talent, and Governance Plans

JUSTIN CRAIG

**Organize and plan for your family business's continued, intergenerational success**



*Continuity Model Generation: Integrating Wealth, Strategy, Talent, and Governance Plans* delivers a cohesive and comprehensive plan for family business leaders who seek to improve the chances of sustaining success across generations. Incorporating four distinct—but closely related—plans, *Continuity Model Generation* shows family businesses how to manage their strategy, their wealth, their talent, and their governance to achieve multi-generational success. The book also offers:

- A coherent framework (*Continuity Canvas*) for the integration of its multiple plans affecting every critical aspect of the family-owned or controlled business
- Straightforward and practical frameworks, meta-frameworks, and cornerstones to ground your family business's strategy
- A variety of templates, checklists, and forms to organize your thinking and strategy

Ideal for business-owning families, as well as their stakeholders and those who advise them, *Continuity Model Generation: Integrating Wealth, Strategy, Talent, and Governance Plans* is required reading for anyone interested in maintaining and developing family-based wealth.

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## 地理学

**Stolen Cars**

A Journey Through São Paulo's Urban Conflict

EDITOR GABRIEL FELTRAN

*Stolen Cars* is an innovative ethnography of urban inequalities and violence in Sao Paulo, Brazil.

- Organized around the journeys of five stolen cars, each chapter discusses a specific theme, such as the distinctions between violent robbery and the more commercial non-violent theft or the role of national borders interconnecting illegal and legal economies
- Provides an original theoretical framework for a rarely studied urban and transnational supply chain
- Draws from empirical data and a combination of different methodologies to demonstrate mechanisms of urban inequalities and violence reproduction
- Highlights how everyday life is entangled with structural urban transformations
- Uses an ethnographic narrative to show how urban development produce various forms of illegality and violent crime

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## 歴史

## First Ladies For Dummies

MARCUS A. STADELMANN, BULLARD, UNITED STATES

**It's time for the ladies--the First Ladies, that is--to get their time in the spotlight**

What does a First Lady do? What makes a First Lady successful? If you've always wanted to know, this is the place to come to for the answers! This reference has the inside scoop on all the First Ladies, including Michelle Obama's campaigns for healthy eating and Jackie Kennedy's emphasis on art and culture. In *First Ladies For Dummies*, you'll find out how these women's values, initiatives, and style have influenced all our lives, and how they've become true role models for generations.



With the detailed biographies and personal profiles in *First Ladies For Dummies*, you'll gain a well-rounded knowledge of the United States' 47 First Ladies. From Martha to Melania, from Jackie to Dr. Jill, and everyone in between, every First Lady has left her stamp on the White House, in the Rose Garden, and in history, and this book covers it all. It includes:

- An historical context for a deeper understanding of the world these First Ladies lived in
- Accounts of their childhoods and early lives to learn who these women were before they stepped foot in the White House
- Each First Lady's interests and achievements

Whether you're a history fanatic or just curious about these highly accomplished women, you'll find lots of fun facts about them in *First Ladies For Dummies*. Pick up your copy to be in the know!

JANUARY 2022 UnknownPP  
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US History

## Lost Worlds of 1863

Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest

W. DIRK RAAT

**A comparative history of the relocation and removal of indigenous societies in the Greater American Southwest during the mid-nineteenth century**

*Lost Worlds of 1863: Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest* offers a unique comparative narrative approach to the diaspora experiences of the Apaches, O'odham and Yaqui in Arizona and Sonora, the Navajo and Yavapai in Arizona, the Shoshone of Utah, the Utes of Colorado, the Northern Paiutes of Nevada and California, and other indigenous communities in the region. Focusing on the events of the year 1863, W. Dirk Raat provides an in-depth examination of the mid-nineteenth century genocide and devastation of the American Indian.



Addressing the loss of both the identity and the sacred landscape of indigenous peoples, the author compares various kinds of relocation between different indigenous groups ranging from the removal and assimilation policies of the United States government regarding the Navajo and Paiute people, to the outright massacre and extermination of the Bear River Shoshone. The book is organized around detailed individual case studies that include extensive histories of the pre-contact, Spanish, and Mexican worlds that created the context for the pivotal events of 1863.

*Lost Worlds of 1863: Relocation and Removal of American Indians in the Central Rockies and the Greater Southwest* is essential reading for academics, students, and general readers with interest in Western history, Native American history, and the history of Indian-White relations in the United States and Mexico.

JANUARY 2022 400PP  
978-1-119-77762-5 PB \$34.00 (Japan)  
Regional American History

## ホスピタリティ

## Nutrition for Foodservice and Culinary Professionals

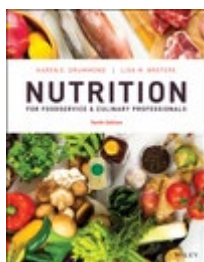
10th Edition

KAREN E. DRUMMOND, YARDLEY & LISA M. BREFERE, PURCHASE

Academy of Nutrition and Dietetics (formerly the American Dietetic Association); Purchase, New York

**Combine the insights of an experienced dietitian and a renowned chef in this practical guide to nutrition and food**

In the newly revised 10th Edition of *Nutrition for Foodservice and Culinary Professionals*, registered nutritionist Karen E. Drummond and executive chef Lisa M. Brefere deliver an insightful guide to incorporating healthy, balanced dietary techniques into everyday practice. From national nutrition guidelines to food preparation and labeling standards, the authors cover every relevant aspect of planning, preparing, and serving healthy meals. They include updated 2020-2025 *Dietary Guidelines for Americans* from the USDA, the latest nutrition research, culinary trends, ingredients, and planning menus to meet the diverse nutritional needs of today's customers.



Perfect for students completing a culinary arts or foodservice management curriculum, *Nutrition for Foodservice and Culinary Professionals, Tenth Edition* is also an indispensable resource for chefs, cooks, and anyone else who professionally prepares food.

JANUARY 2022 444PP  
978-1-119-77719-9 CL \$125.79 (Japan)  
PROFESSIONAL COOKING & CULINARY ARTS

## Professional Baking

8th Edition

WAYNE GISSLEN

**A comprehensive and reliable approach to the foundations of baking, ideal for students and early-career professionals**



In the newly revised Eighth Edition to *Professional Baking*, best-selling author, Wayne Gisslen, delivers a comprehensive and accessible introduction to baking practices, including the selection of ingredients and proper mixing and baking techniques. The book discusses makeup and assembly, as well as skilled and imaginative decoration and presentation, in a straightforward and learner-friendly style.

Each recipe and formula still includes US and metric measurements. The metric measurements have been updated and revised based on the baker's percentages of each ingredient; the strong technique instruction of the formulas and recipes remain unchanged from previous editions. The clear narrative is accompanied by links to technique videos, glossaries and audio pronunciations, math tutorials, and quizzes to assist the student and professional baker in the development of both foundational and more advanced skills.

### THE NEW EDITION INCLUDES:

- Updates to the art program, including new photos, tables, and illustrations throughout the book
- Revised and updated formulas and recipes, including new material on emulsions, revisions to the text explaining mixing techniques, no-knead breads, and double hydration
- New material and recipes on the construction of entremets and revised material on the Joconde Method and dough lamination

This latest edition of *Professional Baking* is an indispensable resource for both students of baking and professional chefs seeking a sound theoretical and practical foundation in baking practices.

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PROFESSIONAL BAKING & PASTRY

## The Restaurant

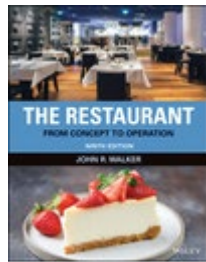
From Concept to Operation, 9th Edition

JOHN R. WALKER

United States International University

**An authoritative, up-to-date, and one-stop guide to the restaurant business**

In the newly revised *The Restaurant: From Concept to Operation, Ninth Edition*, accomplished hospitality and restaurant professional John R. Walker delivers a comprehensive exploration of opening a restaurant, from the initial idea to the grand opening. The book offers readers robust, applications-based coverage of all aspects of developing, opening, and running a restaurant.



Readers will discover up-to-date material on staffing, legal and regulatory issues, cost control, financing, marketing and promotion, equipment and design, menus, sanitation, and concepts. Every chapter has been revised, updated and enhanced with several industry examples, sidebars, charts, tables, photos, and menus.

*The Restaurant: From Concept to Operation, Ninth Edition* provides readers with all the information they need to make sound decisions that will allow for the building of a thriving restaurant business.

An indispensable resource for undergraduate and graduate restaurant and food management services and business administration students, *The Restaurant: From Concept to Operation, Ninth Edition* is also perfect for aspiring and practicing restaurant owners and restaurant investors seeking a one-stop guide to the restaurant business.

JANUARY 2022 512PP  
978-1-119-76216-4 CL \$125.79 (Japan)  
RESTAURANT & FOOD SERVICE MANAGEMENT

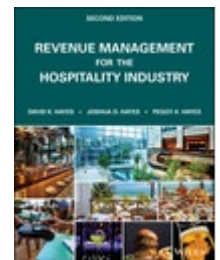
## Revenue Management for the Hospitality Industry

2nd Edition

DAVID K. HAYES, JOSHUA D. HAYES & PEGGY A. HAYES

Lansing, Michigan

This revised and updated second edition of *Revenue Management for the Hospitality Industry* explains pricing and revenue management strategies using realistic and practical industry examples from hotels, restaurants, and many other hospitality industry segments that utilize differential pricing as a major revenue management tool. The book explains, in detail, what hospitality professionals must know and do to become effective revenue managers.



A new chapter on data analysis addresses the dramatic rise in the importance of big-data collection and management, as well as the importance of revenue management-related data increasingly posted on social media and social network accounts. A running case throughout the book helps students discover how to incorporate revenue management principles and strategies address in the text's 14 chapters. The book is intended for students with prior knowledge and understanding of the hospitality industry.

JANUARY 2022 480PP  
978-1-119-79077-8 CL \$98.95 (Japan)  
HOSPITALITY SPECIAL TOPICS



## ライフスタイル

**Singing For Dummies**

3rd Edition

PAMELIA S. PHILLIPS, MARIETTA, UNITED STATES

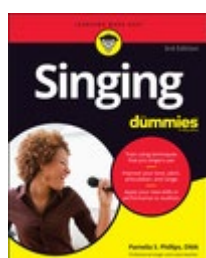
**Go from singing in the shower to taking your audience's breath away**

Whether you picture yourself as the next Ariana Grande or just feel like picking up a new hobby, *Singing For Dummies* walks you through the surprisingly straightforward steps you'll need to take to develop your voice. It's a practical guide to every important aspect of singing, from vocal techniques to performance tips.

You'll learn exercises and practice songs that gradually improve your craft and receive instruction on the latest technology and recording devices to capture and play back your songs. *Singing For Dummies* also shows you how to:

- Understand and use important singing techniques, improve your tone, upgrade your posture, and maximize your breath
- Maintain your voice with preventative self-care that keeps your vocal cords in tiptop shape
- Sing with instrumental accompaniment or with a partner in a duet

Perfect for men, women, boys, and girls, *Singing For Dummies* is the most intuitive and accessible resource on the market for anyone who hopes to find their voice.



JANUARY 2022 384PP  
978-1-119-84296-5 PB \$24.99 (Japan)  
MUSIC

**Haircutting For Dummies**

2nd Edition

J. ELAINE SPEAR

**Your short cut to stylish home hairdressing**

Ever wondered if you could hack it at cutting your friends' and family's hair, or could even make it as a full-blown stylist? If you've got a little creative spark--a love of crafting or painting or a talent for home makeovers--and an obsessive yen to redo the dos you see around you, it's more than likely you can make the cut. The new edition of *Haircutting For Dummies* shows you how to draw out your inner artist and bring your ideas to glorious life on the heads of your nearest and dearest--and will help shave dollars off your beauty budget into the bargain!

In a free-spirited, chatty style, master stylist and social media corporate beauty consultant Jeryl E. Spear sits you down for a comprehensive snip-and-tell overview of how to reproduce the latest short, medium, and long hairstyles, as well as fancying things up with cutting-edge techniques like slicing, notching, and layering. Jeryl also provides a drawerful of tips on the tools you'll need to get started.

- Get a grip on men's and women's styles
- Set up shop at home
- Choose your tools and keep them sharp
- Take the first steps to embracing a beauty career

Packed with detailed illustrations and model shots to guide your work, this book has everything you need to begin the creative work of making everyone you know--and the world--a smarter, more beautiful place!



JANUARY 2022 UnknownPP  
978-1-119-79049-5 PB \$24.99 (Japan)  
TECHNICAL & HOW-TO (GENERAL)



## 文学

**We Slaves of Suriname**

ANTON DE KOM &amp; TRANSLATED BY DAVID MCKAY

University of Essex

READERSHIP: Students and scholars in Latin American studies, literary studies and colonial and postcolonial studies; general readers interested in the history of slavery, colonialism and the struggle against colonial oppression.



JANUARY 2022 200PP  
978-1-5095-4901-6 CL \$64.95 (Japan)  
978-1-5095-4902-3 PB \$22.95 (Japan)  
Comparative & World Literature

## 数学

**The Way of the Wall Street Warrior**

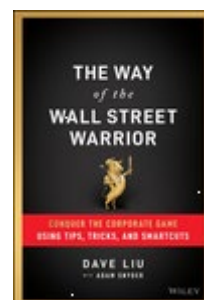
Conquer the Corporate Game Using Tips, Tricks, and Smartcuts

DAVE LIU &amp; WITH ADAM SNYDER

**A Wall Street Insider's Guide to getting ahead in any highly competitive industry**

"Dave learned how to win in investment banking the hard way. Now he is able to share tools that make it easier for budding bankers and other professionals to succeed."

--**Frank Baxter, Former CEO of Jefferies and U.S. Ambassador to Uruguay**



"A must-read for anyone starting their career in Corporate America. Dave's book shares witty and valuable insights that would take a lifetime to learn otherwise. I highly recommend that anyone interested in advancing their career read this book."

--**Harry Nelis, Partner of Accel and former Goldman Sachs banker**

In *The Way of the Wall Street Warrior*, 25-year veteran investment banker and finance professional, Dave Liu, delivers a humorous and irreverent insider's guide to thriving on Wall Street or Main Street. Liu offers hilarious and insightful advice on everything from landing an interview to self-promotion to getting paid.

In this book, you'll discover:

- How to get that job you always wanted
- Why career longevity and "success" comes from doing the *least* amount of work for the *most* pay
- How mastering *cognitive biases* and understanding human nature can help you win the rat race
- How to make people *think* you're the smartest person in the room without actually *being* the smartest person in the room
- How to make sure you do everything in your power to get paid well (or at least not get screwed too badly)

JANUARY 2022 304PP  
978-1-119-81190-9 CL \$28.00 (Japan)  
Business & Finance

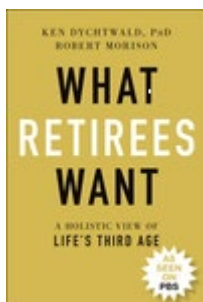
## What Retirees Want

### A Holistic View of Life's Third Age

KEN DYCHTOWALD & ROBERT MORISON

"Dychtwald and Morison offer a brilliant and convincing perspective: an essential re-think of what 'aging' and 'retirement' mean today and an invitation to help mobilize the best in the tidal wave of Boomer Third Agers."

--**Daniel Goleman**, PhD, Author,  
*Emotional Intelligence: Why It Can Matter More Than IQ*



Throughout 99 percent of human history, life expectancy at birth was less than 18 years. Few people had a chance to age. Today, thanks to extraordinary medical, demographic, and economic shifts, most of us expect to live long lives. Consequently, the world is witnessing a powerful new version of retirement, driven by the power and needs of the Baby Boomer generation. Consumers over age 50 account for more than half of all spending and control more than 70% of our total net worth -- yet are largely ignored by youth-focused marketers. How will work, family, and retirement be transformed to accommodate two billion people over the age of 60 worldwide? In the coming years, we'll see explosive business growth fueled by this unprecedented longevity revolution.

*What Retirees Want* presents the culmination of 30 years of research by world-famous "Age Wave" expert Ken Dychtwald, Ph.D., and author and consultant Robert Morison. It explains how the aging of the Baby Boomers will forever change our lives, businesses, government programs, and the consumer marketplace.

In this entertaining, thought-provoking, and wide-ranging book, Dychtwald and Morison explain how individuals, businesses, non-profits, and governments can best prepare for a new era -- where the needs and demands of the "Third Age" will set the lifestyle, health, social, marketplace, and political priorities of generations to come.

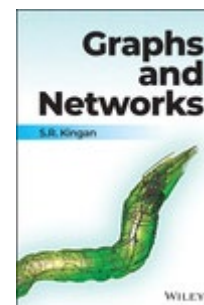
JANUARY 2022 320PP  
978-1-119-84673-4 PB \$22.00 (Japan)  
9781119648086 CL \$28.00 (Japan), Published, AUG 2020  
Business & Finance

## Graphs and Networks

S.R KINGAN

**A unique blend of graph theory and network science for mathematicians and data science professionals alike.**

Featuring topics such as minors, connectomes, trees, distance, spectral graph theory, similarity, centrality, small-world networks, scale-free networks, assortative networks, covert networks, graph algorithms, Eulerian circuits, Hamiltonian cycles, coloring, higher connectivity, planar graphs, flows, matchings, and coverings, *Graphs and Networks* contains modern applications for graph theorists and a host of untapped theorems for network scientists.



The book begins with applications to biology and the social and political sciences and gradually takes a more theoretical direction toward graph structure theory and combinatorial optimization. A background in linear algebra, probability, and statistics provides the proper frame of reference.

*Graphs and Networks* also features:

- Applications to neuroscience, climate science, and the social and political sciences
- A research outlook integrated directly into the narrative with ideas for students interested in pursuing research projects at all levels
- A large selection of primary and secondary sources for further reading
- Historical notes that hint at the passion and excitement behind the discoveries
- Practice problems that reinforce the concepts and encourage further investigation and independent work

JANUARY 2022 288PP  
978-1-118-93718-1 CL \$99.95 (Japan)  
Graph Theory

## メディカル・サイエンス

**Echocardiography in Pediatric and Congenital Heart Disease**

From Fetus to Adult, 3rd Edition

EDITOR WYMAN W. LAI, EDITOR LUC L. MERTENS, EDITOR MERYL S. COHEN &amp; EDITOR TAL GEVA

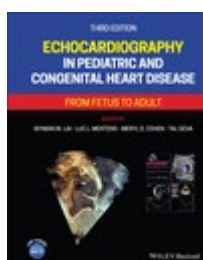
**The new edition of the acclaimed reference text on the most critical tool in pediatric cardiology practice**

*Echocardiography in Pediatric and Congenital Heart Disease* provides comprehensive guidance on the use of non-invasive ultrasound imaging in the diagnosis and treatment of pediatric cardiac conditions. Written by a team of experts from the world's leading pediatric cardiology centers, this highly-illustrated, full-color reference covers anatomy, pathophysiology, ultrasound physics, laboratory setup, patient preparation and safety, pediatric echocardiogram protocols, quantitative methods of echocardiographic evaluation, and more.

Offering a wealth of additional material on state-of-the-art techniques and technologies in echocardiography, the thoroughly revised third edition features entirely new chapters on examination guidelines and standards, quality improvement in the laboratory, perioperative echocardiography, hemodynamic assessment of the neonate, early fetal echocardiography, and multimodality imaging. This edition offers updated and expanded discussion of the latest advances in echocardiography, particularly those related to speckle tracking and 3D echocardiography.

*Echocardiography in Pediatric and Congenital Heart Disease, Third Edition*, remains an essential textbook for cardiac sonographers, pediatric and adult cardiologists, echocardiography nurses and technicians, and adult cardiologists with interest in congenital heart disease.

JANUARY 2022 1056PP  
978-1-119-61280-3 CL \$275.00 (Japan)  
CARDIOVASCULAR IMAGING

**ABC of Wound Healing**

2nd Edition

ANNIE PRICE, JOSEPH E. GREY, GIRISH K. PATEL &amp; KEITH G. HARDING

University Hospital of Wales, Cardiff, UK; Cardiff University, Cardiff, UK; Cardiff University, Cardiff, UK

*ABC of Wound Healing* is a practical, highly illustrated guide to assessment, diagnosis and management of all common types of acute and chronic wounds. This concise yet comprehensive reference covers all essential aspects of wound healing care, including epidemiology, pathophysiology, assessment, treatment, long-term management, and prevention



This revised second edition contains several new chapters on lymphoedema, nutrition, skin care, continence, and scarring. Updated and expanded chapters cover a wider range of devices and therapies, and discuss additional factors that impact wound healing processes, offering new clinical photographs as a visual guide. Applying a multidisciplinary approach to the provision of wound care, *ABC of Wound Healing*:

- Covers common wounds including traumatic wounds, surgical wounds, diabetic foot ulcers, pressure injuries, and venous and arterial leg ulcers
- Emphasises the importance of reaching a diagnosis, the fundamental step in managing any wound
- Provides up-to-date information on physical, chemical, biological and emerging therapies for patients with various types of wounds
- Contains hundreds of full-colour illustrations and clinical photographs of wounds and treatments

*ABC of Wound Healing, Second Edition*, remains a must-have guide for junior doctors, specialist registrars in medicine and surgery, specialist nurses, general practitioners and medical students.

SERIES: ABC SERIES

JANUARY 2022 112PP  
978-0-470-65897-0 PB \$45.00 (Japan)  
DERMATOLOGY

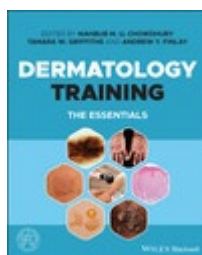
## Dermatology Training

### The Essentials

EDITOR MAHBUB M. U. CHOWDHURY, EDITOR TAMARA W. GRIFFITHS & EDITOR ANDREW Y. FINLAY

University Hospital of Wales, Cardiff; Cardiff University School of Medicine

*Dermatology Training: The Essentials* helps readers understand what is required to work effectively in a demanding clinical dermatology training programme. Developed by the British Association of Dermatologists and British College of Dermatology, this accessible textbook covers all key themes outlined in the 2021 Joint Royal Colleges of Physicians Training Board (JRCPTB) curriculum.



The fundamentals of professional development, clinical practice, general dermatology, therapeutics and procedural dermatology, and specialist areas of dermatology relevant to all UK and international trainees and healthcare professionals are addressed in 29, reader-friendly chapters.

Throughout this highly practical textbook, the expert authors provide tips and advice for handling common clinical situations, developing leadership skills, getting into research, gaining surgical experience, as well as key pearls and pitfalls. The book contains over 70 Specialty Certificate Exam (SCE) questions to assist in exam preparation, and includes contributions from current trainees that offer real insights into day-to-day dermatology training.

*Dermatology Training: The Essentials* is highly recommended reading for all trainees in dermatology, doctors taking the Certificate for Eligibility for Specialist Registration (CESR) route to accreditation in dermatology, General Practitioners training to have an Extended Role (GPwER), and junior doctors and medical students considering a career in dermatology.

JANUARY 2022 264PP  
978-1-119-71570-2 PB \$75.00 (Japan)  
Dermatology

## Cosmetic Dermatology

### Products and Procedures, 3rd Edition

EDITOR ZOE DIANA DRAELOS

In the Third Edition of *Cosmetic Dermatology: Products and Procedures*, accomplished dermatologist Dr. Zoe Diana Draelos delivers the latest information on procedural innovations in the rapidly developing field of cosmetic dermatology. This new edition is



structured to follow the typical patient's cosmetic routing, from everyday moisturizing to adornment and anti-aging techniques. It includes summary boxes at the start of each section to allow for quick reference in a clinical setting, over 300 full-color images illustrate procedures, and demonstrates the benefits of cosmetic products and techniques.

*Cosmetic Dermatology* combines the expertise of leaders in research, industry, surgery, and practice to introduce cutting edge concepts and outline the best techniques in the cosmetic field.. It addresses appearance issues affecting the skin, hair, and nails. The new edition offers a complete cosmetic regimen for the patients of any cosmetic dermatologist, whether hospital-based or in private practice.

*Cosmetic Dermatology* is perfect for practicing and academic dermatologists, trainee dermatologists, dermatology nurses, and skin care industry researchers. It will also earn a place in the libraries of gynecologists, medical aestheticians, family practitioners, and plastic surgeons.

JANUARY 2022 560PP  
978-1-119-67683-6 CL \$220.00 (Japan)  
COSMETIC / ESTHETIC DERMATOLOGY

## Managing Medical and Obstetric Emergencies and Trauma

4th Edition

ADVANCED LIFE SUPPORT GROUP (ALSG)

Manchester, UK

*Managing Medical and Obstetric Emergencies and Trauma* provides an evidence-based, structured approach to the recognition of these emergencies in pregnant women and the emergency treatment. This up-to-date resource delivers authoritative, step-by-step guidance on the practical skills and procedures necessary to save the mother and foetus in life-threatening emergencies. Included are algorithms for emergency management as well as concise discussion of diagnosis and management.



Now in its fourth edition, the text fully aligns with the current mMOET course, extensively reviewed and revised throughout. This edition includes an update for obstetric teams treating pregnant trauma patients in line with modern trauma management.

- Presents a systematic approach to the care of pregnant women with life-threatening emergencies
- Covers a comprehensive range of trauma and medical emergencies in the pregnant patient
- New chapters include cardiac emergencies, neurological emergencies and sepsis
- Includes numerous colour photos, diagrams, and algorithms

*Managing Medical and Obstetric Emergencies and Trauma* is a vital source of practical information for the obstetric team: obstetricians, midwives, anaesthetists, and emergency physicians.

SERIES: ADVANCED LIFE SUPPORT GROUP

JANUARY 2022 352PP  
978-1-119-64574-0 PB \$95.00 (Japan)  
Obstetrics

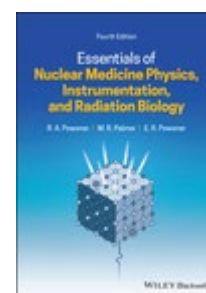
## Essentials of Nuclear Medicine Physics, Instrumentation, and Radiation Biology

4th Edition

RACHEL A. POWSNER, MATTHEW R. PALMER & EDWARD R. POWSNER

Boston University School of Medicine, Massachusetts; Gross Pointe Farms, Michigan

*Essentials of Nuclear Medicine Physics, Instrumentation, and Radiation Biology* provides a concise, highly illustrated introduction to fundamental nuclear medicine-related physics and engineering concepts. Gradually progressing from basic principles to more advanced topics, this book offers clear guidance on basic physics related to nuclear medicine, gamma camera imaging and image reconstruction, x-ray computed tomography, magnetic resonance imaging, radiopharmaceutical therapy, radiation dosimetry and safety, quality control, information technology, and more. Throughout the text, a wealth of examples illustrate the practice of nuclear medicine in the real world.



This new fourth edition features fully revised content throughout, including brand-new chapters on basic MRI physics and instrumentation as well as radiopharmaceutical therapy. There are expanded discussions of current nuclear medicine technologies including positron emission tomography (PET) and single-photon emission computed tomography (SPECT), as well as up-to-date coverage of SPECT-CT, PET-CT hybrid scanning systems with an introduction to PET-MRI hybrid systems.

*Essentials of Nuclear Medicine Physics, Instrumentation, and Radiation Biology* is a must-have for all residents, fellows, trainees, and students in nuclear medicine, and a valuable quick-reference for radiologists and nuclear medicine physicians and technologists.

JANUARY 2022 304PP  
978-1-119-62099-0 PB \$85.00 (Japan)  
RADIOLOGY & IMAGING



## 機械工学

**Heat Transfer**

Evolution, Design and Performance

ADRIAN BEJAN

University of Colorado, Boulder

**Provides authoritative coverage of the fundamentals of heat transfer, written by one of the most cited authors in all of Engineering**

*Heat Transfer* presents the fundamentals of the generation, use, conversion, and exchange of heat between physical systems. A pioneer in establishing heat transfer as a pillar of the modern thermal sciences, Professor Adrian Bejan presents the fundamental concepts and problem-solving methods of the discipline, predicts the evolution of heat transfer configurations, the principles of thermodynamics, and more.



Building upon his classic 1993 book *Heat Transfer*, the author maintains his straightforward scientific approach to teaching essential developments such as Fourier conduction, fins, boundary layer theory, duct flow, scale analysis, and the structure of turbulence. In this new volume, Bejan explores topics and research developments that have emerged during the past decade, including the designing of convective flow and heat and mass transfer, the crucial relationship between configuration and performance, and new populations of configurations such as tapered ducts, plates with multi-scale features, and dendritic fins.

*Heat Transfer: Evolution, Design and Performance* is essential reading for undergraduate and graduate students in mechanical and chemical engineering, and for all engineers, physicists, biologists, and earth scientists.

JANUARY 2022 UnknownPP  
978-1-119-46740-3 CL \$120.00 (Japan)  
Thermodynamics

## 材料科学

**Materials for Biomedical Engineering**

Fundamentals and Applications

MOHAMED N. RAHAMAN &amp; ROGER F. BROWN

This book provides an up-to-date textbook suitable for a one-semester (or two-quarter) course in biomaterials at the junior/senior undergraduate and introductory graduate levels. While intended primarily for students in biomedical engineering degree programs, the book will also provide an indispensable resource for an interdisciplinary audience composed of medical and dental students, researchers in the biomedical industry, and students with science and engineering backgrounds who have an interest in biomaterials. The focus of the book centers on the fundamentals to aid students to understand the materials science of biomaterials and their interaction with cells and tissues. However, it also describes conventional and emerging applications to show how these fundamentals are applied. Each chapter is replete with data in the form of tables and illustrations, and concludes with homework, review and examination problems, and a list of references for further reading. Beginning with an introductory chapter that covers general aspects related to the history, properties and applications of biomaterials, and to the biomaterials industry, the book moves on to cover the following major topics: Materials science fundamentals; Classes of materials used as biomaterials; Degradation of biomaterials in the biological environment; Biocompatibility phenomena; Applications of biomaterials in medicine and dentistry.



JANUARY 2022 720PP  
978-1-119-55108-9 CL \$165.00 (Japan)  
General & Introductory Materials Science



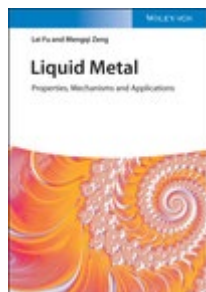
## Liquid Metal

Properties, Mechanisms, and Applications

LEI FU & MENGQI ZENG

**An up-to-date exploration of the properties and most recent applications of liquid metals**

In *Liquid Metal: Properties, Mechanisms, and Applications*, a pair of distinguished researchers delivers a comprehensive exploration of liquid metals with a strong focus on their structure and physicochemical properties, preparation methods, and tuning strategies. The book also illustrates the applications of liquid metals in fields as varied as mediated synthesis, 3D printing, flexible electronics, biomedicine, energy storage, and energy conversion.



The authors include coverage of reactive mediums for synthesizing and assembling nanomaterials and direct-writing electronics, and the book offers access to supplementary video materials to highlight the concepts discussed within. Recent advancements in the field of liquid metals are also discussed, as are new opportunities for research and development in this rapidly developing area.

The book also includes:

- A thorough introduction to the fundamentals of liquid metal, including a history of its discovery, its structure and physical properties, and its preparation
- Comprehensive explorations of the external field tuning of liquid metal, including electrical, magnetic, and chemical tuning
- Practical discussions of liquid metal as a new reaction medium, including nanomaterial synthesis and alloy preparation

Perfect for materials scientists, electrochemists, and catalytic chemists, *Liquid Metal: Properties, Mechanisms, and Applications* also belongs in the libraries of inorganic chemists, electronics engineers, and biochemists.

JANUARY 2022 400PP  
978-3-527-82818-0 CL \$175.00 (Japan)  
Metals & Alloys

## Neuromorphic Devices for Brain-inspired Computing

Artificial Intelligence, Perception and Robotics

EDITOR QING WAN & EDITOR YI SHI

This book provides comprehensive and timely summary on the most recent achievements on neuromorphic devices based on five kinds of materials/configurations and two exciting and promising applications of this area.

JANUARY 2022 256PP  
978-3-527-34979-1 CL \$155.00 (Japan)  
Electronic Materials

## Phosphors for Radiation Detectors

TAKAYUKI YANAGIDA & MASANORI KOSHIMIZU

**Discover a comprehensive overview of luminescence phosphors for radiation detection**

In *Phosphors for Radiation Detection*, accomplished researchers Takayuki Yanagida and Masanori Koshimizu deliver a state-of-the-art exploration of the use of phosphors in radiation detection. The internationally recognized contributors discuss the fundamental physics and detector functions associated with the technology with a focus on real-world applications.

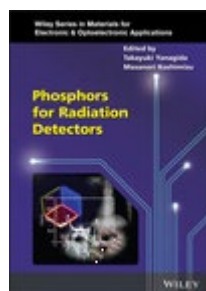
The book discusses all forms of luminescence phosphors for radiation detection used in a variety of fields, including medicine, security, resource exploration, environmental monitoring, and high energy physics.

Readers will discover discussions of dosimeter materials, including thermally stimulated luminescent materials, optically stimulated luminescent materials, and radiophotoluminescence materials. The book also covers transparent ceramics and glasses and a broad range of devices used in this area.

*Phosphors for Radiation Detection* also includes:

- Comprehensive explorations of luminescent materials, including discussions of materials synthesis and their use in gamma-ray, neutron, and charged particle detection
- Practical discussions of semiconductor scintillators, including treatments of organic-inorganic layered perovskite materials for scintillation detectors
- In-depth examinations of thermally stimulated luminescent materials, including discussions of the dosimetric properties for photons, charged particles, and neutrons

Perfect for research physicists, materials scientists, and electrical engineers, *Phosphors for Radiation Detection* is an also an indispensable resource for postgraduate and senior undergraduate students working in detection physics.



## Physics, Optics, and Spectroscopy of Materials

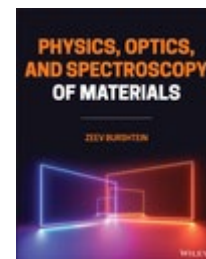
ZEEV BURSHTEN

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

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

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

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



SERIES: WILEY SERIES IN MATERIALS FOR ELECTRONIC & OPTOELECTRONIC APPLICATIONS

JANUARY 2022 448PP  
978-1-119-58332-5 CL \$215.00 (Japan)  
Optical and Non-Linear Optical Materials

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

## Natural Fiber-Reinforced Composites

Thermal Properties and Applications

EDITOR SENTHILKUMAR KRISHNASAMY, EDITOR SENTHIL MUTHU KUMAR THIAGAMANI, EDITOR CHANDRASEKAR MUTHUKUMAR, EDITOR RAJINI NAGARAJAN & EDITOR SUCHART SIENGCHIN

**An in-depth exploration of natural fiber-reinforced composites and their applications**

In *Natural Fiber-Reinforced Composites: Thermal Properties and Applications*, a team of distinguished researchers delivers a comprehensive overview of the thermal properties of natural fiber-reinforced polymer composites ideal for readers seeking to make an informed decision regarding materials selection for the development of automotive and aerospace products.

The book brings together information currently dispersed throughout the scientific literature and offers viable and environmentally friendly alternatives to conventional composites. It also reviews the potential for using natural fiber-reinforced composites in the automotive, mechanical, and civil engineering sectors.

Included case studies highlight and illustrate the applications of natural fiber-reinforced composites, and the included mathematical models predict the improvement of relevant properties of the materials. This book also provides:

- A thorough overview of the thermal characterization of natural fiber-based hybrid composites
- Comprehensive explorations of the thermal properties of hybrid natural fiber reinforced thermoplastic composites
- Practical discussions of the thermal properties of sugar palm fiber and sisal fiber-based hybrid composites
- In-depth examinations of the thermal properties of flax fiber, pineapple leaf fiber, and grass and cane fiber hybrid composites

*Natural Fiber-Reinforced Composites: Thermal Properties and Applications* is a must-read for materials scientists and polymer chemists, as well as chemists and engineering scientists working in industry.

JANUARY 2022 370PP  
978-3-527-34883-1 CL \$162.76 (Japan)  
Composites

## ナーシング

## Calculation Skills for Nurses & Medicine Management Skills for Nurses, 2 Volume Set

2nd Edition

CLAIRE BOYD

Practice Development Trainer, North Bristol NHS Trust

In these newly revised Second Editions of *Medicine Management Skills for Nurses* and *Calculation Skills for Nurses*, renowned nursing trainer Claire Boyd delivers a concise, pocket-sized companion to the subject of medicines management, drug administration, and crucial nursing calculation abilities that's perfect for student nurses, associate practitioners, and newly qualified registered nurses.



Part of the popular *Student Survival Skills* series, this two-book bundle includes tips, advice, and words of wisdom for people working through the nursing curriculum. It mirrors the standards set by the Nursing and Midwifery Council and contains interactive student activities throughout the book.

Bundle includes:

978-1-119-80792-6 *Medicine Management Skills for Nurses*, 2<sup>nd</sup> Edition

978-1-119-80812-1 *Calculation Skills for Nurses*, 2<sup>nd</sup> Edition

SERIES: STUDENT SURVIVAL SKILLS

JANUARY 2022 624PP  
978-1-119-85670-2 PB \$37.50 (Japan)  
Introductions to Nursing

## Calculation Skills for Nurses

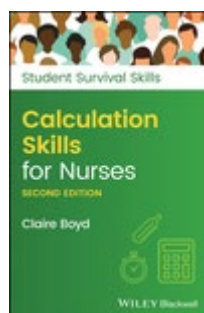
2nd Edition

CLAIRE BOYD

Practice Development Trainer, North Bristol NHS Trust

**Calculate the correct drug dosage every single time with help from this essential nursing guide**

In the newly revised Second Edition of *Calculation Skills for Nurses*, author Claire Boyd delivers a practical and effective treatment of crucial nursing calculation abilities designed to instill confidence and competence in healthcare professionals.



Written for anyone working in the healthcare setting who requires mathematical assistance, the book is designed to teach the skills required by the Nursing and Midwifery Council Standards, Proficiency for Nursing Associates, Pre-registration Nursing Associate Programme, The Code--Professional Standards for Practice and Behaviour For Nurses, Midwives, and Nursing Associates, and the NMC Essential Skills Clusters.

This latest edition includes more practice activities, greater inclusivity, more test questions, more practice with budgets and data interpretation, and more online resources. You'll use a formula-based approach and gain the understanding necessary to know when to apply which formula and why.

*Calculation Skills for Nurses* is perfect for practicing nurses and nursing students who seek to boost their confidence and competence in this core area of nursing.

SERIES: STUDENT SURVIVAL SKILLS

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INTRODUCTIONS TO NURSING

## Medicine Management Skills for Nurses

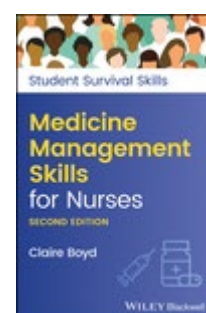
2nd Edition

CLAIRE BOYD

Practice Development Trainer, North Bristol NHS Trust

**An invaluable nursing handbook to increase your confidence with medicine management**

In the newly revised Second Edition of *Medicine Management Skills for Nurses*, renowned nursing trainer Claire Boyd delivers a concise, pocket-sized companion to the subject of medicines management and drug administration that's perfect for student nurses, associate practitioners, and newly qualified registered nurses.



Part of the popular *Student Survival Skills* series, this edition includes tips, advice, and words of wisdom from nursing students written for people working through the nursing curriculum. It mirrors the standards set by the Nursing and Midwifery Council and contains interactive student activities throughout the book.

An ideal companion to the forthcoming *Calculation Skills for Nurses, 2nd Edition*, the latest edition of *Medicine Management Skills for Nurses* is packed with conversational, accessible guidance to help you understand and handle medicines with confidence and competence.

Ideal for pre-registration nursing students and nursing associates, the latest edition of *Medicine Management Skills for Nurses* is an indispensable resource for anyone seeking practical and student-centered advice for managing medicines in a clinical environment.

SERIES: STUDENT SURVIVAL SKILLS

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INTRODUCTIONS TO NURSING

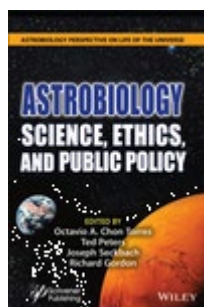
## 物理学

**Astrobiology****Science, Ethics, and Public Policy**

EDITOR OCTAVIO A. CHON TORRES, EDITOR TED PETERS, EDITOR JOSEPH SECKBACH & EDITOR RICHARD GORDON

Universidad of Lima, Peru; Graduate Theological Union, Berkeley, CA, USA; The Hebrew University of Jerusalem, Israel; Wayne University, Detroit, MI, USA

This unique book advances the frontier discussion of a wide spectrum of astrobiological issues on scientific advances, space ethics, social impact, religious meaning, and public policy formulation.



Astrobiology is an exploding discipline in which not only the natural sciences, but also the social sciences and humanities converge. *Astrobiology: Science, Ethics, and Public Policy* is a multidisciplinary book that presents different perspectives and points of view by its contributing specialists. Epistemological, moral and political issues arising from astrobiology, convey the complexity of challenges posed by the search for life elsewhere in the universe. We ask: if a convoy of colonists from Earth make the trip to Mars, should their genomes be edited to adapt to the Red Planet's environment? If scientists discover a biosphere with microbial life within our solar system, will it possess intrinsic value or merely utilitarian value? If astronomers discover an intelligent civilization on an exoplanet elsewhere in the Milky Way, what would be humanity's moral responsibility: to protect Earth from an existential threat? To treat other intelligences with dignity? To exploit through interstellar commerce? To conquer?

**Audience**

The book will attract readers from a wide range of interests including astronomers, astrobiologists, chemists, biologists, space engineers, ethicists, theologians and philosophers.

SERIES: ASTROBIOLOGY PERSPECTIVES ON LIFE IN THE UNIVERSE

JANUARY 2022 432PP  
978-1-119-71116-2 CL \$195.00 (Japan)  
Astronomy & Astrophysics

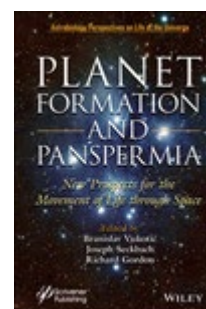
**Planet Formation and Panspermia****New Prospects for the Movement of Life Through Space**

EDITOR BRANISLAV VUKOTIC, EDITOR JOSEPH SECKBACH & EDITOR RICHARD GORDON

University of Chicago; Bard College, New York

**An in-depth view of the panspermia hypothesis examined against the latest knowledge of planetary formation and related processes.**

Panspermia is the concept that life can be passively transported through space on various bodies and seed, habitable planets and moons, which we are beginning to learn may exist in large numbers. It is an old idea, but not popular with those who prefer that life on Earth started on Earth, an alternative, also unproven hypothesis. This book updates the concept of panspermia in the light of new evidence on planet formation, molecular clouds, solar system motions, supernovae ejection mechanisms, etc. Thus, it is to be a book about newly understood prospects for the movement of life through space.



The novel approach presented in this book gives new insights into the panspermia theory and its connection with planetary formation and the evolution of galaxies. This offers a good starting point for future research proposals about exolife and a better perspective for empirical scrutiny of panspermia theory. Also, the key to understanding life in the universe is to understand that the planetary formation process is convolved with the evolution of stellar systems in their galactic environment. The book provides the synthesis of all these elements and gives the readers an up-to-date insight on how panspermia might fit into the big picture.

SERIES: ASTROBIOLOGY PERSPECTIVES ON LIFE IN THE UNIVERSE

JANUARY 2022 352PP  
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Astronomy & Astrophysics

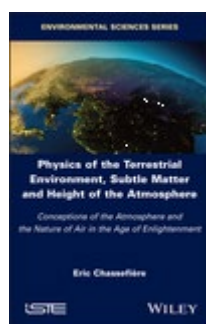
## 哲学

## Physics of the Terrestrial Environment, Subtle Matter and Height of the Atmosphere

Conceptions of the Atmosphere and the Nature of Air in the Age of Enlightenment

ERIC CHASSEFIERE

The discovery, in the middle of the 17th century, of both the weight of air and the law governing its elasticity transformed the status of the atmosphere from that of a purely mathematical object to that of a complex and highly variable physical system.



In the context of rapidly intensifying experimentation and observation, the nature of the atmosphere was therefore the subject of a host of hypotheses, which 18th century scholars tried to reconcile with a coherent physical approach. In particular, this was achieved by the conceptualization of invisible or "subtle" materials, thought to be closely linked to atmospheric stratification.

Subtle matter was introduced, largely to reconcile contradictory results concerning the estimation of the height of the atmosphere. These estimations were based on different methods, mainly using the observation of meteors and the refracted and reflected light of stars.

Taking as its common thread the question of the height of the atmosphere, which was omnipresent in the texts at the time, this book traces the history of the discovery of the atmosphere and the many questions it generated.

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Environmental Physics

## Hyperculture

Culture and Globalisation

BYUNG-CHUL HAN & TRANSLATED BY DANIEL STEUER

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978-1-5095-4617-6 PB \$16.95 (Japan)  
General Philosophy





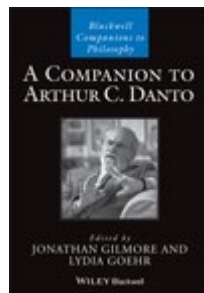
## 政治学

**A Companion to Arthur C. Danto**

EDITOR LYDIA GOEHR &amp; EDITOR JONATHAN GILMORE

Columbia University, New York, NY; City University of New York/Baruch College, NY

*A Companion to Arthur C. Danto* paints a detailed portrait of one of the most significant figures in twentieth-century philosophy and art criticism, offering unparalleled coverage of all aspects of Danto's writings, artworks, and thought. Edited by two long-time colleagues of Arthur Danto, this interdisciplinary resource presents more than 40 original essays from both prominent Danto scholars and leading practitioners from various sub-fields of philosophy.



The *Companion* illuminates Danto's many contributions to the artworld, aesthetics, criticism, and philosophy of knowledge, action, science, history, and politics. The essays explore central concepts and intersecting themes in Danto's writings while providing new interventions into the areas of philosophy in which Danto engaged. Topics include Danto's mode of writing and art production, his critical engagement with artists and philosophers, conflicts in Danto's views and in interpretations of his works, and much more.

An important addition to Danto studies, *A Companion to Arthur C. Danto* is essential reading for practitioners, scholars, and advanced students looking for a critical, provocative, and insightful treatment of Danto's philosophy, art, and criticism.

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ALEXANDER LANOSZKA

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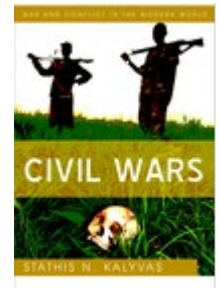
## Civil Wars

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Wolfers Professor of Political Science and Director of the Program on Order, Conflict, and Violence

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## 心理学

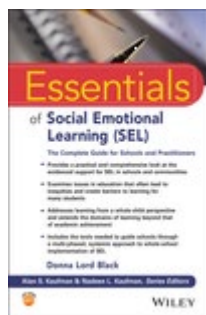
## Essentials of Social Emotional Learning (SEL)

The Complete Guide for Schools and Practitioners

DONNA BLACK

**A robust and comprehensive description and implementation roadmap of SEL across all levels of your school's curriculum**

In *Essentials of Social Emotional Learning (SEL): The Complete Guide for Schools and Practitioners*, learning expert and advocate Donna Black delivers a rigorous and compelling case for the adoption of crucial SEL components in your school, as well as a step-by-step guide to its implementation.



The book walks readers through every step of understanding, designing, implementing, and measuring an SEL program designed to create lasting and powerful change for your students. The author describes strategies to engage students with relationships and instruct them in core skills.

*Essentials of Social Emotional Learning (SEL)* also explores:

- The emergence of social emotional learning as a world phenomenon, including key definitions, critical areas of competence, historical influences, and the role of emotional intelligence in SEL.
- A rigorous review of current problems in education addressed by SEL, as well as the latest empirical support and validation for the model.
- A description of SEL as a sustainable framework for success, including a multi-phase guide to a whole-school implementation of SEL complete with tools, templates, and checklists.

A start-to-finish roadmap on the implementation of social emotional learning in schools of all sizes, *Essentials of Emotional Learning (SEL)* is a must-read resource for school administrators, teachers, and parents of school age children with an interest in addressing the barriers often faced by students.

SERIES: ESSENTIALS OF PSYCHOLOGICAL ASSESSMENT

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## Adult Psychotherapy Homework Planner

6th Edition

ARTHUR E. JONGSMA JR., GRAND RAPIDS & TIMOTHY J. BRUCE, PEORIA

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

The newly updated Sixth Edition of the *Adult Psychotherapy Homework Planner* offers practitioners a wide variety of ready-to-use assignments for adult clients in almost every therapeutic mode. Designed to be used with the *Complete Adult Psychotherapy Treatment Planner, Sixth Edition*, this planner saves time and energy otherwise spent studying, finding, or writing custom assignments for each client.



The book is organized as a quick reference, with assignments grouped by behavioral problems like depression, anxiety, eating disorders, and more. It includes expert guidance on how and when to make the most productive use of the exercises and is extensively cross-referenced to the corresponding treatment planner.

This powerful resource includes:

- 92 ready-to-copy, customizable homework assignments that facilitate adult therapy
- Cross-references for each homework assignment to presenting problems from the *Complete Adult Psychotherapy Treatment Planner, Sixth Edition*
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- New homework assignments for opioid-related disorders and clients experiencing loneliness

Perfect for psychologists, therapists, counselors, social workers, and psychiatrists, the latest edition of the *Adult Psychotherapy Homework Planner* is an indispensable resource for any mental health professional who works with adult clients.

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## 統計学

**Statistics II For Dummies**

2nd Edition

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**Continue your statistics journey with this all-encompassing reference**

Completed Statistics through standard deviations, confidence intervals, and hypothesis testing? Then you're ready for the next step: Statistics II. And there's no better way to tackle this challenging subject than with *Statistics II For Dummies*! Get a brief overview of Statistics I in case you need to brush up on earlier topics, and then dive into a full explanation of all Statistics II concepts, including multiple regression, analysis of variance (ANOVA), Chi-square tests, nonparametric procedures, and analyzing large data sets. By the end of the book, you'll know how to use all the statistics tools together to create a great story about your data.

For each Statistics II technique in the book, you get an overview of when and why it's used, how to know when you need it, step-by-step directions on how to do it, and tips and tricks for working through the solution. You also find:

- What makes each technique distinct and what the results say
- How to apply techniques in real life
- An interpretation of the computer output for data analysis purposes
- Instructions for using Minitab to work through many of the calculations
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With *Statistics II For Dummies*, you will find even more techniques to analyze a set of data. Get a head start on your Statistics II class, or use this in conjunction with your textbook to help you thrive in statistics!

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PROBABILITY & MATHEMATICAL STATISTICS

**Agent-based Models and Causal Inference**

GIANLUCA MANZO

GEMASS, Centre National de la Recherche Scientifique (CNRS)  
and University of ParisSorbonne, France

**Explore the issue of causal inference in agent-based computational models in a first-of-it's-kind volume**

*Agent-based Models and Causal Inference* delivers an insightful investigation into the conditions under which different quantitative methods can legitimately hold to be able to establish causal claims. The book compares agent-based computational methods with randomized experiments, instrumental variables, and various types of causal graphs. It goes on to explain why there is no strong argument to believe that observational and experimental methods are qualitatively superior to simulation-based methods in their capacity to contribute to establishing causal claims.



Organized in two parts, *Agent-based Models and Causal Inference* connects the literature from various fields, including causality, social mechanisms, statistical and experimental methods for causal inference, and agent-based computation models to help show that causality means different things within different methods for causal analysis, and that persuasive causal claims can only be built at the intersection of these various methods.

Perfect for academic social scientists and scholars in the fields of computational social science, philosophy, statistics, experimental design, and ecology, *Agent-based Models and Causal Inference* will also earn a place in the libraries of PhD students seeking a one-stop reference on the issue of causal inference in agent-based computational models.

SERIES: WILEY SERIES IN COMPUTATIONAL AND  
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Applied Probability & Statistics

## Introduction to Probability

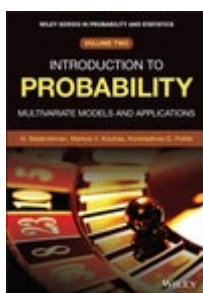
### Multivariate Models and Applications

NARAYANASWAMY BALAKRISHNAN, HAMILTON, ONTARIO, CANADA, MARKOS V. KOUTRAS & POLITIS KONSTANTINOS

McMaster University, Hamilton, Canada; University of Piraeus, Greece

**Discover practical models and real-world applications of multivariate models useful in engineering, business, and related disciplines**

In *Introduction to Probability: Multivariate Models and Applications*, a team of distinguished researchers delivers a comprehensive exploration of the concepts, methods, and results in multivariate distributions and models. Intended for use in a second course in probability, the material is largely self-contained, with some knowledge of basic probability theory and univariate distributions as the only prerequisite.



This textbook is intended as the sequel to *Introduction to Probability: Models and Applications*. Each chapter begins with a brief historical account of some of the pioneers in probability who made significant contributions to the field. It goes on to describe and explain a critical concept or method in multivariate models and closes with two collections of exercises designed to test basic and advanced understanding of the theory.

Perfect for students majoring in statistics, engineering, business, psychology, operations research and mathematics taking a second course in probability, *Introduction to Probability: Multivariate Models and Applications* is also an indispensable resource for anyone who is required to make decisions based on data.

SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

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Applied Probability & Statistics

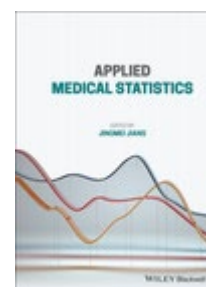
## Applied Medical Statistics

EDITOR JINGMEI JIANG

Chinese Academy of Medical Sciences (CAMS); School of Basic Medicine of Peking Union Medical College (PUMC)

**An up-to-date exploration of foundational concepts in statistics and probability for medical students and researchers**

Medical journals and researchers are increasingly recognizing the need for improved statistical rigor in medical science. In *Applied Medical Statistics*, renowned statistician and researcher Dr. Jingmei Jiang delivers a clear, coherent, and accessible introduction to basic statistical concepts, ideal for medical students and medical research practitioners. The book will help readers master foundational concepts in statistical analysis and assist in the development of a critical understanding of the basic rationale of statistical analysis techniques.



The distinguished author presents information without assuming the reader has a background in specialized mathematics, statistics, or probability. All of the described methods are illustrated with up-to-date examples based on real-world medical research, supplemented by exercises and case discussions to help solidify the concepts and give readers an opportunity to critically evaluate different research scenarios.

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PAUL J. MITCHELL

**A practical guide to the use of basic principles of experimental design and statistical analysis in pharmacology**

*Experimental Design and Statistical Analysis for Pharmacology and the Biomedical Sciences* provides clear instructions on applying statistical analysis techniques to pharmacological data. Written by an experimental pharmacologist with decades of experience teaching statistics and designing preclinical experiments, this reader-friendly volume explains the variety of statistical tests that researchers require to analyze data and draw correct conclusions.

Detailed, yet accessible, chapters explain how to determine the appropriate statistical tool for a particular type of data, run the statistical test, and analyze and interpret the results. By first introducing basic principles of experimental design and statistical analysis, the author then guides readers through descriptive and inferential statistics, analysis of variance, correlation and regression analysis, general linear modelling, and more. Lastly, throughout the textbook are numerous examples from molecular, cellular, in vitro, and in vivo pharmacology which highlight the importance of rigorous statistical analysis in real-world pharmacological and biomedical research.

*Experimental Design and Statistical Analysis for Pharmacology and the Biomedical Sciences* is an invaluable reference and guide for undergraduate and graduate students, post-doctoral researchers, and lecturers in pharmacology, graduate students and post-doctoral researchers in pharmacology and allied subjects in the life sciences.

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Medical Statistics & Epidemiology

## Statistical Methods for Reliability Data

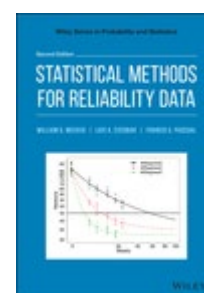
2nd Edition

WILLIAM Q. MEEKER, LUIS A. ESCOBAR & FRANCIS G. PASCUAL

Iowa State University, Ames; Louisiana State University ;  
Washington State University

**An authoritative guide to the most recent advances in statistical methods for quantifying reliability**

*Statistical Methods for Reliability Data, Second Edition* (SMRD2) is an essential guide to the most widely used and recently developed statistical methods for reliability data analysis and reliability test planning. Written by three experts in the area, SMRD2 updates and extends the long-established statistical techniques and shows how to apply powerful graphical, numerical, and simulation-based methods to a range of applications in reliability. SMRD2 is a comprehensive resource that describes maximum likelihood and Bayesian methods for solving practical problems that arise in product reliability and similar areas of application. This text illustrates methods with numerous applications and all the data sets are available on the book's website. Also, SMRD2 contains an extensive collection of exercises that will enhance its use as a course textbook.



Written for engineers and statisticians in industry and academia, *Statistical Methods for Reliability Data, Second Edition* includes access to a companion website with valuable resources, including R packages, Stan model codes, presentation slides, technical notes, information about commercial software for reliability data analysis, and csv files for the data sets used in the book's examples and exercises.

SERIES: WILEY SERIES IN PROBABILITY AND STATISTICS

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QUALITY, PRODUCTIVITY & RELIABILITY



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2nd Edition

MARK ZEGARELLI, LONG BRANCH, UNITED STATES

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A great math score on the SAT can unlock countless opportunities, especially in the STEM fields. With the help of *SAT Math For Dummies*, you'll have what it takes to succeed on this challenging section of the exam. This helpful guide offers the tools and techniques you need to hone your strengths, eliminate your weaknesses, and walk into the testing room poised and prepared to conquer the math section of the SAT.



You'll learn to tackle basic and advanced algebra, geometry, and trigonometry--with and without a calculator, just like you'll need to do on the test. The book also offers intuitive reviews of critical math concepts and skills -- like evaluating, simplifying, and factoring algebra expressions -- while preparing you for common pitfalls and traps that ensnare less prepared students.

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- Prove you're ready for the test by practicing with online resources that include three complete practice tests

Effective practice and preparation are the keys to succeeding on the math section of the SAT. And with *SAT Math For Dummies* in your arsenal, you'll have the strategies, knowledge, and skills that make extraordinary results possible.

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CERTIFICATION (MSCE, NOVELL, ETC.)

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CERTIFICATION (MSCE, NOVELL, ETC.)

## 獣医学

## Leadership in Veterinary Medicine

CLIVE ELWOOD

*Leadership in Veterinary Medicine* provides both theoretical and practical information for veterinary professionals who are contemplating leadership or currently facing day-to-day leadership challenges.

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- Discusses various leadership styles, competencies, behaviours and perspectives
- Addresses topics such as leadership assessment, organisational dynamics, interpersonal communication, remote and virtual leadership, and collaboration skills
- Assists readers in developing strategy, leading change, creating effective teams and improving staff engagement
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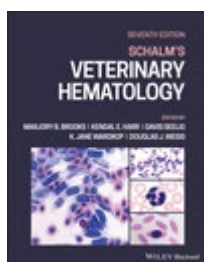
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