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Consumer
Personal Enrichment

Genealogy Online For Dummies
8th Edition
April Leigh Helm & Matthew L. Helm

Research your family history using the latest online tools and apps

Genealogy Online For Dummies, Eighth Edition is the perfect book to help you conduct genealogical research. Updated to cover the latest online tools, this new edition shows you everything you need to know about starting a genealogical research project — including where and how to find information, how to communicate with other online genealogists, how to find specific information, how to leverage social networking sites and apps, how to add digital images to your family tree, and how to build your own site for sharing information. It also explains the use of compiled genealogies, Census information, and public access catalogs that readers can find on the Web and helps readers build an effective genealogy database first before starting their online searches.

- Includes exciting new and updated chapters such as: searching for that elusive ancestor, and using all of your censuses
- Contains even more new information on DNA research and testing
- Addresses a collection of genealogical software tools

Previous Edition: 978-1-118-80810-8

About the Authors

Matthew Helm and April Helm manage several leading online genealogical resources, including FamilyToolBox.net and OnlineGenealogy.com. Previous books by the Helms include Family Tree Maker For Dummies, Get Your Degree Online, and six editions of Genealogy Online For Dummies.

Mediterranean Diet Cookbook For Dummies
2nd Edition
Meri Raffetto & Wendy Jo Peterson

Improve your health, lose weight, and fight disease with the Mediterranean Diet

Whether you're just discovering the healthfulness of the Mediterranean Diet or are looking for some new recipes to add to your repertoire, Mediterranean Diet For Dummies, Second Edition has everything you need to start living a healthier life. In this reliable resource the authors — both accredited as registered and certified dieticians — share their expertise, revealing the latest studies, research, and tried and true advice. Filled with over a quarter of new and revised content, Mediterranean Diet For Dummies, Second Edition is all you need to get started on this proven pathway to healthy eating and living.

- Offers valuable insights into the health benefits of a diet rich in whole grains, fresh fruits and vegetables, olive oil and other healthy fats, fish and foods high in Omega-3 fat content
- Contains over 160 recipes
- Discusses meal planning, exercise regimens, and healthy lifestyle choices

Previous Edition: 978-1-118-06778-9

About the Authors

Meri Raffetto, RD, is a registered dietitian and recognized professional in the area of nutrition and wellness. Meri is the founder of Real Living Nutrition Services®.
Wendy Jo Peterson, MS, RD, has over ten years of experience working to enhance the nutrition and wellness of clients ranging from elite athletes to pediatric patients.
Business
Entrepreneurship

The Maker Revolution

Building a Future on Creativity and Innovation in an Exponential World
Mark Hatch

Challenge yourself and embrace your inner leader by joining the Maker Revolution.
The best hope for the world’s problems is in the creativity, ingenuity, and innovation of its inhabitants. The Maker Revolution shows us that the maker revolution is doing just that by giving everyone access to the knowledge, tools, experience, and community we need to change the world. This book reviews the powerful drivers of, and the early results from, the Maker Movement. It expands on the major trends and enablers that have already worked to catalyze the rapid changing of our world. Most importantly, it demands that our institutions engage and participate in this revolution. Finally, it challenges everyone to become a revolutionary and join the Maker Revolution.

• Puts in perspective the continually growing community of inventors, designers, and other creatives who are coming together to form localized groups to change the world
• Offers insights on how makers can be found in fields ranging from food to crafts to technology, and more
• Discusses the impact makers are having around the world and how you can contribute in your own unique way


About the Author
Mark Hatch is the former CEO and a co-founder of TechShop, a focal point in the emerging Maker Movement and one of the few physical embodiments of that movement. He is currently the CEO of Maker Partners, a speaking, consulting, and advocacy firm.

Shikumi

An Entrepreneur’s Secret to Success
Hiroshi Mikitani

A roadmap for business success from a Forbes 500 billionaire.
In Shikumi, Hiroshi Mikitani — the co-founder and CEO of Rakuten — shares the principles and advice culled from his remarkable career. Mikitani is a trailblazer in the global economy. Since he founded Rakuten in 1997, it has grown to become one of the world’s largest e-commerce platforms, with a rapidly expanding global footprint. This book distills his experiences, and pays homage to Bushido, a Japanese word meaning “the way of the warrior”, namely, the code of moral principles that govern a samurai’s life.

• Discusses the importance of the Internet as a fundamentally transformative technology
• Reveals Mikitani’s own management techniques of empowerment, constant questioning, and constant improvement
• Addresses the collaborative, nimble Silicon Valley approach to business, and why it works


About the Author
Hiroshi Mikitani is the co-founder and CEO of Rakuten. Rakuten is an electronic commerce and Internet company based in Tokyo. Its B2B2C e-commerce platform Rakuten Ichiba is the largest e-commerce site in Japan and among the world’s largest by sales. He is known worldwide as a self-made billionaire and Japan’s leader in the networked economy.
underlying values such as respect, trust, compensation and, even fun, are the building blocks of a culture where employees are empowered to consistently deliver a world-class experience to customers.

In this new edition of the management classic, the authors explore in-depth the core values of the culture that have made Nordstrom synonymous with legendary customer service. These essential values have enabled Nordstrom to survive and adapt to dramatic market shifts regularly since 1901, and the new edition explains how the Nordstrom approach can be emulated by any organization — in any industry — in every corner of the world. This is not a book about selling shoes or clothes or cosmetics or jewelry. It is a book about how the Nordstrom approach can be emulated by any organization — in any industry — in every corner of the world. This is not a book about selling shoes or clothes or cosmetics or jewelry. It is a book about how the Nordstrom approach can be emulated by any organization — in any industry — in every corner of the world. This is not a book about selling shoes or clothes or cosmetics or jewelry. It is a book about how the Nordstrom approach can be emulated by any organization — in any industry — in every corner of the world. This is not a book about selling shoes or clothes or cosmetics or jewelry. It is a book about how the Nordstrom approach can be emulated by any organization — in any industry — in every corner of the world.
Lean Six Sigma For Leaders

A Practical Guide for Leaders to Transform the Way They Run Their Organization

Martin Brenig-Jones

A practical guide for leaders and managers who are considering adopting the principles of Lean Six Sigma

Lean Six Sigma For Leaders distills experience from working with hundreds of different organizations in a practical, jargon-free way which busy managers will understand and find helpful when considering how to set up a continuous improvement approach in their organizations. Unlike most books on Lean Six Sigma, this guide doesn’t go into the complex details of the wide variety of Lean Six Sigma tools, but instead focuses on the role of the manager in creating the right environment to ensure success.

• Describes the basic principles and important aspects of Lean Six Sigma from a managers’ perspective
• Includes a series of case studies from real organizations who have implemented Lean Six Sigma
• From a leaders’ perspective, the author asks of the cases: what approach was taken, what did they learn, what benefits have been achieved, and what would they do differently in hindsight
• Written by a respected expert in the field who’s worked at all levels in organizations of different sizes and sectors


About the Author

Martin Brenig-Jones has worked in the field of quality and change management for twenty years, and is now the Managing Director of Catalyst Consulting.

Also Available Titles

Lean For Dummies
2nd Edition
Natalie J. Sayer & Bruce Williams
978-1-118-11756-9 €21.90

Lean Six Sigma
For Dummies
3rd Edition
John Morgan & Martin Brenig-Jones
978-1-119-06735-1 €21.90

The Lean Six Sigma
Guide to Doing More With Less
Cut Costs, Reduce Waste, and Lower Your Overhead
Mark O. George
978-0-470-53957-6 €37.90
Agile Project Management For Dummies

2nd Edition
Mark C. Layton

Be flexible and faster with Agile project management

Agile project management is a fast and flexible approach to managing all projects, not just software development. By learning the principles and techniques in this book, you will be able to create a product roadmap, schedule projects, and prepare for product launches with the ease of agile software developers. You'll quickly discover how to manage scope, time, and cost, as well as team dynamics, quality, and risk of every project.

- Offers a practical context for understanding and applying Agile techniques, moving from theory into actual practice
- Explains when to use Agile and how to avoid common pitfalls
- Written by an expert who knows how to apply the principles in real-world situations

Previous Edition: 978-1-118-02624-3

About the Author

Mark C. Layton, also know as Mr. Agile™, is an organizational strategist and PMI certification instructor with over twenty-five years in the project/program management field. He is PMP-certified, and is also a certified Scrum Master, a certified Scrum Professional, and a certified SCPM.

Can I Have Your Attention?

Inspiring Better Work Habits, Focusing Your Team, and Getting Stuff Done in the Constantly Connected Workplace

Curt Steinhorst

An essential leadership guide for overcoming digital distractions and ensuring team focus

Believe it or not the hard truth is this: your people aren't working, but it's not because they don't want to work efficiently. They just don't know how. That's where leaders come in. Make no mistake. As the leader, you create the chaos or focus. You set the climate. Your people are watching your ability to focus. You can teach what you know, but you can only reproduce who you are. Creating a climate of focus is no small chore. In Can I Have Your Attention?, Curt Steinhorst — trainer to thousands on overcoming digital distractions — shares his intensely practical advice to help individuals and teams better focus in the age of the smartphone.

- Discusses how, as a leader, to help your team deal with the distractions of the digital age
- Addresses what it takes to produce the quality and quantity of work that we're truly capable of
- Written by a respected expert in this field


About the Author

Curt Steinhorst is a speaker, business owner, entrepreneur, and founder of FocusWise.
The Energy Bus Field Guide
Jon Gordon

A Road Map for living and implementing the 10 Principles of The Energy Bus

The Energy Bus Field Guide is your roadmap to fueling your life, work and team with positive energy. The international bestseller The Energy Bus has helped millions of people from around the world shift to a more positive outlook; the story of George and Joy bus driver has resonated with people from all walks of life, each with their own individual vision of “success.” This guide is designed as a practical companion to help you live and share the ten principles every day, with real, actionable steps you can immediately put into practice in your life, work, team and organization.

• Navigate the twists and turns that sabotage success
• Cultivate positive energy and bring out the best in your team
• Create a compelling vision for your life and team
• Cultivate positivity and remove negativity from your life and organization
• Learn how every day people and organizations utilized the Energy Bus to create amazing success and results

Filled with insightful questions, practical action steps, best practices and inspiring case studies you’ll be equipped to energize yourself and your team in new and powerful ways. Whether it’s a family team, work team, sports team, or school team, everyone benefits from getting on the bus.


About the Author
Jon Gordon (jongordon.com) is a consultant, keynote speaker, and international bestselling Wiley author. He and his books have been featured on CNN’s American Morning, NBC’s Today Show, and in Forbes, O, Oprah Magazine, the Wall Street Journal, the New York Times, Men’s Health, and Positive Thinking. He works with numerous Fortune 500 Companies, professional and college sports teams, hospitals, and leaders in business and education to develop positive, engaged, and productive teams.

Unstopable
Transforming Your Mindset to Create Change Accelerate, and Be the Best at What You Do
Dave Anderson

Learn to thrive, take charge, and change the game in just five simple steps

There are three types of team members on an organization’s payroll: caretakers, playmakers, and game changers. The behaviors associated with each category go beyond skills or talent; they are primarily mindset issues that determine how well the skills and talent of an individual will be applied. While caretakers are steady and dependable, and playmakers can help move your team forward in the short term, game changers are the key to success in any and every organization. A game changer is relentless, focused on results, confident of success, and committed to winning. This reliable resource is your key to becoming a game changer, to becoming the essential member of your team through five proven steps.


Influence Without Authority
3rd Edition
Allan R. Cohen & David L. Bradford
Babson College; Stanford University

The need for influence skills in business is greater than ever — here’s what you need to know

In their classic book, Influence Without Authority, Allan Cohen and David Bradford provided a universal model of how to influence someone you don’t control. This new edition will skillfully build on those ideas. It includes many new examples such as those from tech companies. The main content addition is a new chapter about geographically dispersed virtual teams, often international in composition. This is increasingly a condition managers and companies face, and raises many questions about communication, technology, and media.

Previous Edition: 978-0-471-46330-6
**The Strategy Pathfinder**

**Core Concepts and Live Cases, 3rd Edition**

Duncan Angwin & Stephen Cummings  
*Lancaster University; Victoria University of Wellington*

An up-to-date guide to the key concepts of strategic management

The revised and updated Third Edition of *The Strategy Pathfinder* provides students and executives with an instant guide to the core-concepts and the cutting-edge of strategic management thinking. The ‘micro-cases’ developed over the previous editions are an invaluable tool in quickly engaging and inspiring students to think strategically. Covering a range of industries and geographies including organizations such as McDonald’s, HSBC, Apple, and Dell, they explore situations that readers will encounter in their working lives and can be used to spark discussion and debate that builds on or provokes reflections upon a theoretical theme.

- Offers an innovative introduction to strategy
- Encourages individuals to form their own views, and then test it against the views of others, before offering recommendations about how best to proceed
- Contains updated chapters that showcase the latest thinking in strategic management

**Print ISBN:** 978-1-119-31184-3 | **Paper** | €44.90 | **Oct 2017** | **472PP**

**Previous Edition:** 978-0-470-68946-2

**About the Authors**

Duncan Angwin is a Professor of Strategic Management and Head of the Centre for Strategy Practice Research at Lancaster University, and Associate of Said Business School.

Stephen Cummings is Professor of Strategy at Victoria University in Wellington, New Zealand and Academic Fellow of the International Council of Management Consulting Institutes.
Fundamentals of Queueing Theory
5th Edition
John F. Shortle, James M. Thompson, Donald Gross & Carl M. Harris

The definitive guide to queueing theory and its practical applications — features numerous real-world examples of scientific, engineering, and business applications

Thoroughly updated and expanded to reflect the latest developments in the field, *Fundamentals of Queueing Theory, Fifth Edition* presents the statistical principles and processes involved in the analysis of the probabilistic nature of queues. Rather than focus narrowly on one or another application area, the authors illustrate the theory in practice across a range of fields, from computer science and various engineering disciplines to business and operations research. Critically, the text also provides a numerical approach to understanding and making estimations with queueing theory and provides comprehensive coverage of both simple and advanced queueing models.

As with all preceding editions, this latest update of the classic text features a unique blend of the theoretical and timely real-world applications. The introductory section has been reorganized with expanded coverage of qualitative/non-mathematical approaches to queueing theory, including a high-level description of queues in everyday life. New sections on non-stationary fluid queues, fairness in queueing, and Little's Law have been added, as has expanded coverage of stochastic processes, including the Poisson process and Markov chains.

- Each chapter provides a self-contained presentation of key concepts and formulas, to allow readers to focus independently on topics relevant to their interests
- A summary table at the end of the book outlines the queues that have been discussed and the types of results that have been obtained for each queue
- Examples from a range of disciplines highlight practical issues often encountered when applying the theory to real-world problems
- A companion website features QtsPlus, an Excel-based software platform that provides computer-based solutions for most queueing models presented in the book

Featuring chapter-end exercises and problems — all of which have been classroom-tested and refined by the authors in advanced undergraduate and graduate-level courses — *Fundamentals of Queueing Theory, Fifth Edition* is an ideal textbook for courses in applied mathematics, queueing theory, probability and statistics, and stochastic processes. This book is also a valuable reference for practitioners in applied mathematics, operations research, engineering, and industrial engineering.

**About the Authors**

John F. Shortle, PhD, is Associate Professor in the Department of Systems Engineering and Operations Research at George Mason University. He has authored or co-authored over thirty published articles on the application of simulation and queueing theory in telecommunications and aviation.

James M. Thompson is an Enterprise Architect at the Federal Home Loan Mortgage Corporation. His current areas of research interest include computer system performance modeling, system capacity studies and benchmarking, information architecture, and computational finance.

Donald Gross, PhD, is Distinguished Research Professor of Operations Research and Engineering at George Mason University and Professor Emeritus of Operations Research at The George Washington University. Dr Gross has published extensively in the area of queueing applications to repairable item inventory control, air traffic control, and Internet congestion.

Carl M. Harris, PhD, was BDM International Professor and the founding chair of the Systems Engineering and Operations Research Department at George Mason University.
General Finance & Investing

Governance, Compliance and Supervision in the Capital Markets + Website
Sarah Swammy & Michael McMaster

A practical approach to meeting the capital markets’ regulatory environment and the required governance framework
Financial services firms and banks are under heavy regulatory scrutiny and have to implement comprehensive controls and governance to comply with new rules and regulations that are changing how these firms conduct business. Firms are looking for practical guidance on governance frameworks and balancing compliance and supervisory requirements with getting business done. With the goal of demystifying the capital markets’ regulatory environment and providing a practical approach to meeting these requirements and the required governance framework, this book is a flexible road map that you can use to build upon as you move throughout your career.

Series: Wiley Finance

Investment Management

Building Wealth through Venture Capital
A Practical Guide for Investors and the Entrepreneurs They Fund
Len A. Batterson & Kenneth M. Freeman

A how-to guide for investors as well as entrepreneurs seeking capital to build the venture of their dreams
Building Wealth through Venture Capital provides practical how-to guidance for investors as well as for entrepreneurs seeking venture capital to build the venture of their dreams. It is written by career venture capitalist Leonard Batterson and his Harvard Business School classmate Kenneth Freeman. This reliable resource combines Batterson’s extensive venture capital experience with Freeman’s perspective as a successful corporate executive, entrepreneur, and individual investor who in recent years has become a strong advocate of the wealth-building opportunities offered by venture capital.


Stock Trader’s Almanac 2018
Jeffrey A. Hirsch

The 50th anniversary of the most trusted name in historical data, updated for 2018
Stock Trader’s Almanac 2018 is the latest update to the indispensable trader’s and investor’s resource. Trusted by Barron's, The Wall Street Journal, The New York Times, and other well-regarded media outlets, this compendium of historical stock market data provides critical information you can’t get anywhere else. New information includes the latest patterns, seasonalities, trends, and cycles, based on some of the most trusted data in the industry. You get access to the Hirsch Organization’s Best Six Months Switching Strategy and the renowned January Barometer for a wealth of historical patterns widely followed by savvy investors. Organized in a calendar format, this guide provides monthly and daily reminders, plus invaluable alerts to risks and opportunities throughout the year to help you reach your full investment potential.

Series: Almanac Investor Series

Previous Edition: 978-1-119-24775-3

Accounting & Auditing

IPSAS Explained
A Summary of International Public Sector Accounting Standards, 3rd Edition
Thomas Müller-Marqués Berger

This third edition of IPSAS Explained covers the new governance structure of the IPSAS-Board, including the Public Interest Committee and the Consultative Advisory Group, as well as the final changes to the — now completed — conceptual framework. It also contains:

- A new section on IPSAS 33, First-Time Adoption of Accrual Basis IPSAS
- A new section on the new consolidation standards (IPSAS 34-38, Interests in Other Entities)
- Updates on the current Exposure Drafts (IPSAS ED 58-61)
- A new section on Recommended Practice Guideline 3, Service Performance Reporting
- Updates throughout the book to reflect the changes that will come through the Improvements Project

Previous Edition: 978-1-118-36871-8

OVERRUN TEXT
OVERRUN TEXT
OVERRUN TEXT
Social Sciences & Humanities
In this book, cultural theorist Byung-Chul Han interrogates our preoccupation with all things slick and smooth, from the iPhone to Brazilian waxing. Reaching far deeper than our superficial reactions to videos and memes, Han develops an aesthetic theory fit for our digital age, reclaiming beauty as truth, temptation and even disaster.

- Korean-born cultural theorist Byung-Chul Han, now based in Berlin, is gaining increasing prominence for his books in which he applies a deep knowledge of philosophy to the problems and circumstances of contemporary life
- This is the second book by Han that Polity will publish, after The Scent of Time (also 2017)
- In Saving Beauty, Han reveals how the current notion of beauty that pervades everyday life, from Facebook 'likes' to our preoccupation with smooth objects like the iPhone, is highly superficial
- Han argues that we must reclaim beauty by rejecting its transformation into an ordinary, banal commodity, rediscovering through philosophy the ways in which it can reveal far more profound truths about human existence

Print ISBN: 978-1-5095-1509-7 | Cloth | €44.90 / 978-1-5095-1510-3 | Paper | €12.90 | Oct 2017 | 100PP

About the Author

Byung-Chul Han is a Korean-born Professor of Philosophy and Cultural Studies who teaches at the University of the Arts (UdK) in Berlin. He is the author of more than twenty books including The Scent of Time, The Transparency Society and The Burnout Society.
A Companion to Experimental Philosophy
Justin Sytsma & Wesley Buckwalter
Victoria University of Wellington, New Zealand; University of Waterloo, Canada

- A comprehensive collection of essays exploring the cutting-edge work being undertaken in experimental philosophy, one of the hottest topics in western academia philosophy
- An unprecedented survey of this radical new movement which applies quantitative and empirical methods to traditional topics of philosophical inquiry
- Situates the discipline within Western philosophy and then surveys the work of experimental philosophers by sub-discipline
- Contains insights for a diverse range of fields including linguistics, cognitive science, anthropology, economics, and psychology, as well as almost every area of professional philosophy today
- Edited by two rising scholars who take a broad and inclusive approach to the field
- Offers a complete introduction for non-specialists and students to the central approaches, findings, challenges, and controversies in experimental philosophy

Series: Blackwell Companions to Philosophy

A Companion to Locke
Matthew Stuart
Bowdoin College, USA

- Offers 28 new essays examining the full range of John Locke’s contributions as a celebrated philosopher, empiricist, and father of modern political theory
- Discusses the impact of his thought and writing on a range of fields including epistemology, metaphysics, philosophy of science, political theory, education, religion, and economics
- Delves into the most important Lockean topics, such as innate ideas, perception, natural kinds, free will, natural rights, religious toleration, and political liberalism
- Provides the most comprehensive Locke reference available, informed by current perspectives of leading philosophers and scholars

Series: Blackwell Companions to Philosophy
Wonder Beyond Belief
On Christianity
Navid Kermani

These enchanting reflections return to Christianity both its beauty and terror. Navid Kermani teaches us to see the questions of our own lives through old masters such as Botticelli and Rembrandt — not with lectures on art history or theology, but an intelligent eye and connections to seemingly remote worlds, to literature and to mystical Islam.

- Navid Kermani is a much celebrated novelist, Islamic scholar and public intellectual in Germany. In 2015, he won the Peace Prize of the German Book Trade, Germany’s most prestigious cultural award.
- In Wonder Beyond Belief, Kermani immerses himself in the rich world of Christian art. From the perspective of an outsider, brought up in the tradition of Islam, he provides a new and brilliant interpretation of some forty paintings, concepts, saints and rituals.
- Beautifully illustrated with full page reproductions of works, the book covers a great range of traditions and ages — from fourteenth-century frescoes in Kosovo, to the masterpieces of the Renaissance and Gerhard Richter’s stained glass in Cologne cathedral.
- The publication of Wonder Beyond Belief has already generated significant review interest. It will appeal to a broad audience of those interested in art and art history, theology, and the relations between East and West.


About the Author

Navid Kermani is a writer and Islamic scholar who lives in Cologne, Germany. He has received numerous accolades for his literary and academic work, including the 2015 Peace Prize of the German Publishers’ Association, Germany’s most prestigious cultural award.
Sacred Languages of the World
An Introduction
Brian P. Bennett

A fascinating comparative account of sacred languages and their role in and beyond religion — written for a broad, interdisciplinary audience

- A comprehensive but succinct account of the role and importance of language within religion
- Takes an interdisciplinary approach which will appeal to students and scholars across an array of disciplines, including religious studies, sociology of religion, sociolinguistics, and linguistics
- Provides a strongly comparative exploration, drawing on Christian, Islamic, Hindu, Judaic, and Buddhist traditions
- Uses numerous examples and ties historic debates with contemporary situations
- Satisfies the rapidly growing demand for books on the subject among both academics and general readers


Art History

A Companion to D. W. Griffith
Charles Keil
University of Toronto

The most comprehensive volume on one of the most controversial directors in American film history
A Companion to D. W. Griffith offers an exhaustive look at the first acknowledged auteur of the cinema and provides an authoritative account of the director’s life, work, and lasting filmic legacy.

The text explores how Griffith’s style and status advanced along with cinema’s own development during the years when narrative became the dominant mode, when the short gave way to the feature, and when film became the pre-eminent form of mass entertainment. Griffith was at the centre of each of these changes: though a contested figure, he remains vital to any understanding of how cinema moved from nickelodeon fixture to a national pastime, playing a significant role in the cultural ethos of America.

With the renewed interest in Griffith’s contributions to the film industry, A Companion to D. W. Griffith offers a scholarly look at a career that spanned more than 25 years. The editor, a leading scholar on D. W. Griffith, and the expert contributors collectively offer a unique account of one of the monumental figures in film studies.

- Presents the most authoritative, complete account of the director’s life, work, and lasting legacy
- Builds on the recent resurgence in the director’s scholarly and popular reputation
- Edited by a leading authority on D. W. Griffith, who has published extensively on this controversial director
- Offers the most up-to-date, singularly comprehensive volume on one of the monumental figures in film studies

Series: Wiley Blackwell Companions to Film Directors
Print ISBN: 978-1-118-34125-4 | Cloth | €202.00 | Oct 2017 | 500PP

The Global Contemporary Art World
A Rough Guide
Jonathan Harris
University of Southampton, Winchester School of Art, UK

The final installment in the critically-acclaimed trilogy on globalization and art explores the growing dominance of Asian centers of art
This book takes readers on a fascinating journey around five Asian centers of contemporary art and its myriad institutions, agents, forms, materials, and languages, while posing vital questions about the political economy of culture and the power of visual art in a multi-polar world. Drawing on detailed case studies and personal insights gained from his extensive experience of the contemporary art scene in Asia, Professor Harris examines the evolving relationship between the western centers of art practice, collection, and validation and the emerging peripheries of Asian Tiger societies with burgeoning art centers. And he arrives at the somewhat controversial conclusion that dominance of the art world is rapidly slipping away from Europe and North America. The Global Contemporary Art World is essential reading for undergraduates and postgraduate students in modern and contemporary art, art history, art theory and criticism, cultural studies, the sociology of culture, and globalization studies. It is also a vital resource for research students, academics, and professionals in the art world.

Ancient Greek and Roman Slavery
P. Hunt

Classical slavery provides fascinating, complex, and engaging, albeit sometimes grim, topics for the historian. Over the last generation, these have attracted the attention of many of the best minds in ancient social history. The issues involved have generated passionate debates; the challenge of the uneven evidence has elicited elegant arguments and painstaking investigations of tricky and obscure bodies of evidence. The main aim of this book is to convey the excitement and interest of the field of ancient slavery to students of history.

The topic of Greek and Roman slavery is a large one. This book starts with the political and historical context for Greek and Roman slavery and briefly survey the institutions themselves. Each chapter will open with a section on “Background and Methodology.” These will orient the reader for the chapter’s “Case Studies,” one from Greece and one from Rome — and sometimes a Hellenistic case — that would constitute the bulk of the book.


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Print ISBN: 978-1-119-10752-1 | Paper | €42.90 | Sep 2017 | 352PP
Previous Edition: 978-1-4051-5849-7

About the Author
Derek L. Milne is a former Director of the Newcastle University Doctorate in Clinical Psychology training programme. In addition to practising as a clinical psychologist within the National Health Service and teaching within Higher Education, he has been a supervisor, a trainer of supervisors, and a supervision researcher. He wrote Evidence-Based Clinical Supervision (2009) and is the co–editor of The Wiley International Handbook of Clinical Supervision (2014).
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- Considers changes, advances and controversies associated with new and revised diagnostic categories

Series: Wiley Clinical Psychology Handbooks
Print ISBN: 978-1-119-09216-2 | Cloth | €162.00 | Oct 2017 | 552PP

About the Authors
John E. Lochman holds the Dodridge Saxon Chair in Clinical Psychology at the University of Alabama, USA, where he also directs the Center for Prevention of Youth Behavior Programs. His research centers on risk factors, social cognition, and intervention and prevention with aggressive children.

Walter Matthys is Professor of Aggression in Children in the Department of Education, Utrecht University, The Netherlands, and a clinical psychiatrist in the Department of Child and Adolescent Psychiatry, University Medical Center Utrecht (UMCU). As a child and adolescent psychiatrist he focuses on early diagnosis and treatment of children with Oppositional Defiant Disorder (ODD) and/or Attention Deficit Hyperactivity Disorder (ADHD).

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About the Authors
Guido Hertel is Professor of Organizational and Business Psychology at the University of Münster, Germany. His research addresses various implications of Internet-related technologies for collaboration and human resource management.

Dianna L. Stone is currently Visiting Research Professor at the University at Albany, SUNY, USA and an Affiliate Professor at Virginia Tech, USA. Her research focuses on a range of issues including e-HRM and diversity in organizations.

Richard Johnson is Associate Professor of Management, Department Chair, and Director of the Human Resource Information Systems (HRIS) program at the University at Albany, SUNY, USA. His research focuses on HRIS, psychological impacts of computing, training and e-learning, and issues surrounding the digital divide.

Jonathan Passmore (Series Editor) is a Chartered Psychologist, a Fellow of the CIPD, and an accredited coach. He is a Professor at the University of Evora, Portugal and also works as the Managing Director of Embrion, a psychology consulting company.
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About the Author

Feona Attwood is Professor of Cultural Studies, Media and Communication at Middlesex University.
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Arizona State University

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Previous Edition: 978-0-7456-4214-7, 978-0-7456-4215-4

About the Author

Alexander Halavais is Associate Professor of Social Technologies at Arizona State University.

The PlayStation Dreamworld

Alfie Bown  
Hang Seng Management College, Hong Kong

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- This book will be of interest to everyone interested in contemporary trends in continental philosophy, radical political theory and critical theory

Series: Theory Redux

About the Author
Laurent de Sutter is Professor of Legal Theory at Vrije Universiteit Brussel.
The Comfort of People

Daniel Miller

University College London

At the end of life, our comfort lies mainly in relationships. In this book, Daniel Miller, one of the world’s leading anthropologists, examines the social worlds of people suffering from terminal illness. This deeply humane book combines warmth and sharp observation with anthropological insight into issues of kinship, community and Englishness.

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- Based on interviews with hospice patients, Miller explores the changing nature of kinship, friendship, community and loneliness in the twenty-first century. He also makes recommendations for healthcare professionals on improving the social aspects of palliative care
- This book will be of interest to students and scholars of anthropology, sociology, social policy, media and cultural studies; healthcare professionals; general readers with an interest in questions of ageing and long-term illness; and anyone interested in the Hospice movement


About the Author

Daniel Miller is Professor of Anthropology at University College London.
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Series: Wiley Blackwell Encyclopedias in Social Sciences
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About the Editor

Bryan S. Turner is the Presidential Professor of Sociology and Director of the Committee on Religion at the Graduate Center CUNY, and founding Director of the Institute of Religion Politics and Society at the Australian Catholic University, Melbourne. He won the Max Planck Award in 2015 and is an honorary professor at Potsdam University, Germany. He is the founding editor of Citizenship Studies and the Journal of Classical Sociology, and Turner’s most recent books include Religion in Modern Society (2011) and The Religious and the Political (2013).
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About the Authors

Geoff Evans is Professor in the Sociology of Politics and Official Fellow in Politics at Nuffield College, University of Oxford.

Anand Menon is Professor of European Politics and Foreign Affairs at King’s College London and Director of UK in a Changing Europe.
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Dmitri Trenin is the Director of the Carnegie Moscow Center.
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Robert Springborg is Professor (ret) of National Security Affairs, Naval Postgraduate School and Non-resident Research Fellow, Italian Institute of International Affairs.

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About the Author
Alex de Waal is Executive Director of the World Peace Foundation and a Research Professor at The Fletcher School.
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About the Editors

Martin Everaert is Professor of Linguistics at Utrecht University, The Netherlands. He works primarily on the syntax-semantics interface (anaphora: reflexives, reciprocals) and the lexicon-syntax interface (idioms/collocations, and argument structure). His other areas of interest are language evolution, biolinguistics, and the history of linguistics. He is on the editorial boards of several journals, including *Linguistic Inquiry*. His editorial works include *Concepts, Syntax and Their Interfaces — The Theta System* (2016; MITP) and *Birdsong, Speech and Language: Exploring the Evolution of Mind and Brain* (2013; MITP). He is co-editor of *The Wiley Blackwell Companions to Linguistics* series and member of the editorial advisory board of De Gruyter Open.

Henk van Riemsdijk was, until recently, Professor of Linguistics and Head of the Models of Grammar Group at Tilburg University, The Netherlands. He is now Emeritus Professor and a freelance linguist operating from his home in Arezzo, Italy. He is the co-founder of GLOW, the major professional organization of generative linguists in Europe. He was the co-editor of *The Linguistic Review* from 1980 to 1992, the *Journal of Comparative Germanic Linguistics* from 2001 through 2013 and of the Mouton de Gruyter book series *Studies in Generative Grammar* from 1978 through 2013. He is co-editor of *The Wiley-Blackwell Companions to Linguistics* series and the *Comprehensive Grammar Resources* series at Amsterdam University Press. He has written and edited 30 books, published well over 100 major articles, and directed 30 PhD dissertations.
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About the Authors

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Eric W. Rowe, DVM, PhD, is Associate Professor in the Department of Biomedical Sciences in the College of Veterinary Medicine at Iowa State University of Science and Technology in Ames, Iowa, USA.

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About the Authors
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Stanley A. Alexander, DMD, is Distinguished Teaching Professor Emeritus at Stony Brook University, School of Dental Medicine and Chief Dental Officer of Holyoke Health Center in Waltham, Massachusetts, USA.
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**About the Authors**

Mauro Tosta, DDS, MSc, PhD, is a specialist in Periodontology and Dental Implantology, ITI Fellow and Speaker, Leadership Team — Brazilian Section, and owns a private practice focused in Esthetic Dentistry, Oral Rehabilitation, Periodontics and Implantology in São Paulo, Brazil.

Gastao Soares de Moura Filho, DDS, MSc, PhD, is a Fellow and Speaker of the Brazilian Section of ITI — International Team for Oral Implantology and is in private practice in São Paulo, Brazil.

Leandro Chambrone, DDS, MSc, PhD is an Associate Professor in the Unit of Basic Oral Investigation (UIBO) at El Bosque University in Bogotá, Colombia and Visiting Assistant Professor in the Department of Periodontology at the University of Iowa in Iowa City, Iowa, USA.

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About the Editors

Photis Papademas, Department of Agricultural Sciences, Biotechnology and Food Science, Cyprus University of Technology.

Thomas Bintsis is a consultant to the dairy industry and auditor of food safety management systems, and was formerly an adjunct lecturer at the Technological Education Institute of West Macedonia, Greece.

Energy

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Print ISBN: 978-1-118-62839-3 | Cloth | €149.00 | Sep 2017 | 680PP

Introduction to Electrical Circuit Analysis
Özgür Ergül
Middle East Technical University

- All examples and problems contain detailed analysis of various circuits, and are solved using a ‘recipe’ approach, providing a code that motivates students to decode and apply to real-life engineering scenarios
- Covers the basic topics of resistors, voltage and current sources, capacitors and inductors, Ohm’s and Kirchhoff’s Laws, nodal and mesh analysis, black-box approach, and Thevenin/Norton equivalent circuits
- Aims to stimulate interest and discussion in the basics, before moving on to more modern circuits with higher-level components
- The Appendix contains the mathematical background required to understand the topics covered
- Accompanying website to provide supplementary Solutions Manual, plus an author-hosted YouTube channel offering short videos of solved examples

Strange Chemistry
The Stories Your Chemistry Teacher Wouldn't Tell You
Steven Farmer

- Appeals to a modern audience of science lovers by discussing multiple examples of chemistry in everyday life
- Addresses compounds that affect everyone in one way or another: poisons, pharmaceuticals, foods, and illicit drugs; thereby evoking a powerful emotional response which increases interest in the topic at hand
- Focuses on edgy types of stories that chemists generally tend to avoid so as not to paint chemistry in a bad light; however, these are the stories that people find interesting
- Provides detailed and sophisticated stories that increase the readers fundamental scientific knowledge
- Discusses complex topics in an engaging and accessible manner, providing the how and why that takes readers deeper into the stories


Chemistry

Organic Coatings
Science and Technology, 4th Edition
Frank N. Jones, Mark E. Nichols, Socrates Peter Pappas

The 4th edition of Organic Coatings: Science and Technology presents an updated, systematic survey of organic coatings technology and its numerous applications. Written by industry experts including a new internationally-recognized coatings scientist, this self-contained volume revises and updates the material from the previous editions — making it more useful experienced coatings personnel, for scientists and engineers first entering the field, as well as for students in coatings courses.

- New edition completely revises outdated chapters to ensure consistency and to enable extensive cross-referencing
- New edition covers topics not previously covered including artist paints, extrusion coating, sustainability, and high throughput research methods
- Provides a broad overview for beginners and a handy reference for experienced professionals that interrelates coatings technology with current scientific understanding
- Fills a need for those developing new coatings or using those technologies that currently exist and interrelates coatings technology with current scientific understanding

Print ISBN: 978-1-119-02689-1 | Cloth | €182.00 | Oct 2017 | 448PP
Previous Edition: 978-0-471-69806-7

About the Authors

Frank N. Jones is an Emeritus Professor at Eastern Michigan University, and is former Director, of the National Science Foundation Industry/University Cooperative Research Center in Coatings.

Mark E. Nichols is currently Technical Leader, Paint and Corrosion Research at the Ford Motor Company and the Editor-in-Chief of the Journal of Coatings Technology and Research.

Socrates Peter Pappas is an industry Consultant and teaches technical short courses.
Practical Medicinal Chemistry with Macrocycles
Design, Synthesis, and Case Studies
Eric Marsault & Mark L. Peterson

Including case studies of macrocyclic marketed drugs and macrocycles in drug development, this book helps medicinal chemists deal with the synthetic and conceptual challenges of macrocycles in drug discovery efforts.

- Provides needed background to build a program in macrocycle drug discovery-design criteria, macrocycle profiles, applications, and limitations
- Features chapters contributed from leading international figures involved in macrocyclic drug discovery efforts
- Covers design criteria, typical profile of current macrocycles, applications, and limitations

Print ISBN: 978-1-119-09256-8 | Cloth | €232.00 | Sep 2017 | 464PP

About the Editors
Eric Marsault, PhD, is an Associate Professor of pharmacology at the University of Sherbrooke as well as the Director of the Quebec Network for Drug Discovery. Previously, he was Director of Medicinal Chemistry at Tranzyme Pharma, where he worked for eight years.

Mark L. Peterson, PhD, is Chief Operating Officer and Corporate Secretary at Cyclenium Pharma, of which he is a member of the founding management / scientific team. He has 25 years of experience in the pharmaceutical industry.

Bio-Based Solvents
François Jerome & Rafael Luque

- The first book to provide a multidisciplinary overview of bio-derived solvents, detailing their applications, life-cycle analysis, and the strategies required for industrial commercialization
- Dedicated chapters on different classes of solvent, arranged by origin or chemical structure
- Due to the many existing practical applications, this book will be a valuable reference across chemistry and materials science
- Brings together contributions from academia and industry to provide to the reader with a complete overview of the field and to highlight which strategies need to be followed for industrial commercialization
- Part of the Wiley Series in Renewable Resources

Print ISBN: 978-1-119-06539-5 | Cloth | €122.00 | Sep 2017 | 324PP

Continuous Manufacturing of Pharmaceuticals
Peter Kleinebudde, Johannes Khinast & Jukka Rantanen
Heinrich-Heine-University Duesseldorf, Germany; Graz University of Technology, Austria; University of Copenhagen, Denmark

- Continuous manufacturing promises lower costs, greater reliability and safety, improved sustainability, and novel reaction pathways
- The FDA supports the implementation of continuous manufacturing
- Brings together the essential know-how for anyone working in drug manufacturing, and also chemical, food, and pharmaceutical scientists working on continuous processing
- Covers chemical engineering principles, regulatory aspects, primary and secondary manufacturing, process analytical technology and quality by design
- Contains contributions from researchers in leading pharmaceutical companies, the FDA, and academic institutions

Print ISBN: 978-1-119-00132-4 | Cloth | £122.00 | Sep 2017 | 589PP
Emerging Areas in Bioengineering
Ho Nam Chang, Sang Yup Lee, Jens Nielsen & Gregory Stephanopoulos

With more than 40 contributions from expert authors, this is an extensive overview of all important research topics in the field of bioengineering, including metabolic engineering, biotransformations and biomedical applications. Alongside several chapters dealing with biotransformations and biocatalysis, a whole section is devoted to biofuels and the utilization of biomass. Current perspectives on synthetic biology and metabolic engineering approaches are presented, involving such example organisms as Escherichia coli and Corynebacterium glutamicum, while a further section covers topics in biomedical engineering including drug delivery systems and biopharmaceuticals. The book concludes with chapters on computer-aided bioprocess engineering and systems biology. This is a part of the Advanced Biotechnology book series, covering all pertinent aspects of the field with each volume prepared by eminent scientists who are experts on the topic in question. Invaluable reading for biotechnologists and bioengineers, as well as those working in the chemical and pharmaceutical industries.

Series: Advanced Biotechnology
Print ISBN: 978-3-527-34088-0 | Cloth | €349.00 | Sep 2017 | 650PP

About the Editors
Ho Nam Chang is Professor Emeritus at the Department of Chemical and Biomolecular Engineering at the Korea Advanced Institute of Science and Technology (KAIST).
Sang Yup Lee is Distinguished Professor at the Department of Chemical and Biomolecular Engineering at the Korea Advanced Institute of Science and Technology (KAIST).
Jens Nielsen is Professor and Director to Chalmers University of Technology (Sweden) since 2008.
Gregory Stephanopoulos is the W. H. Dow Professor of Chemical Engineering at the Massachusetts Institute of Technology (MIT, USA) and Director of the MIT Metabolic Engineering Laboratory.
Managing Biotechnology
From Science to Market in the Connected Age
Francoise Simon

- Divided into three easy-to-navigate sections
- Covers new models for networked innovation, new business and marketing models, and winning in the global marketplace, all in the context of biotechnology
- Concepts discussed are easily transferable to a broad range of industries including IT, chemicals, food, cosmetics, materials, energy, and agriculture
- Every chapter lays out concepts and is followed by case studies
- Targets broad audiences worldwide, including researchers, managers, consultants, financial analysts and other professionals


Materials Science

Nanobiomaterials
Classification, Fabrication and Biomedical Applications
Xiumei Wang, Murugan Ramalingam, Xiangdong Kong & Lingyun Zhao

Written by an international team of editors and contributors from renowned universities and institutes, this book addresses the latest research in the field of nanobiomaterials, covering nanotechnologies for their fabrication, developments in biomedical applications, and the challenges of biosafety in clinic uses. Clearly structured, the volume defines the scope and classification of the field, resulting in a broad overview from fundamental principles to current technological advances, and from materials synthesis to biomedical applications along with future trends.

- Covers nanotechnologies for nanobiomaterials fabrication, developments in biomedical applications, and the challenges of biosafety in clinic uses
- The organization of the content allows for an easy overview of the field of nanobiomaterials
- Editors and chapter contributors are from renowned universities and institutes

Print ISBN: 978-3-527-34067-5 | Cloth | €189.00 | Aug 2017 | 450PP

About the Editors
Xiumei Wang is Professor of Biomaterials Science at the School of Materials Science and Engineering in Tsinghua University, China.
Murugan Ramalingam is Professor at the Centre for Stem Cell Research, Christian Medical College Campus, India, and Adjunct Professor at the Tohoku University, Japan.
Xiangdong Kong is Professor at the College of Life Sciences, Zhejiang Sci-Tech University, China. He got the PhD degree in Materials and Engineering from Tsinghua University, China.
Lingyun Zhao is Associate Professor of Cancer Nanotechnology at the School of Materials Science and Engineering (MSE) of Tsinghua University, China.

Thermoelectric Energy Conversion
Basic Concepts and Device Applications
Diana Davila Pineda, Oliver Brand, Gary K. Fedder, Christofer Hierold, Jan G. Korvink & Osamu Tabata

The latest volume in the well-established AMN series, this ready reference provides an up-to-date, self-contained summary of recent developments in the technologies and systems for thermoelectricity. Following an initial chapter that introduces the fundamentals and principles of thermoelectricity, subsequent chapters discuss the synthesis and integration of various bulk thermoelectric as well as nanostructured materials. The book then goes on to discuss characterization techniques, including various light and mechanic microscopy techniques, while also summarizing applications for thermoelectric materials, such as micro- and nano-thermoelectric generators, wearable electronics and energy conversion devices. The result is a bridge between industry and scientific researchers seeking to develop thermoelectric generators.

Series: Advanced Micro and Nanosystems
Print ISBN: 978-3-527-34071-2 | Cloth | €149.00 | Aug 2017 | 336PP
Physics

- **Fundamentals of Ionizing Radiation Dosimetry**

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  Pedro Andreo, David T. Burns, Alan E. Nahum & Jan Seuntjens

  - Perfect complement to the textbook *Fundamentals of Ionizing Radiation Dosimetry*
  - Helps the reader to get a better working knowledge of the concepts of radiation dosimetry
  - Available separately and in a set with the textbook

  **Print ISBN:** 978-3-527-34352-2 | Paper | €24.90 | Aug 2017 | 176PP

  **About the Authors**

  The four authors continuing the pioneering work of Frank Attix, Pedro Andreo (Karolinska, Stockholm), David T. Burns (BIPM, Paris), Alan E. Nahum (University of Liverpool) and Jan Seuntjens (McGill University, Montreal), are leading scientists in radiation dosimetry, having published between them more than 600 papers in the field. They have co-authored most of the existing national and international recommendations for radiotherapy dosimetry and received a number of international awards for their contributions.

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Mathematics & Statistics

- **Ranks of Groups**

  **The Tools, Characteristics, and Restrictions**
  Martyn R. Dixon, Leonid Kurdachenko & Igor Ya Subbotin

  A comprehensive guide to ranks and group theory

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  - All material has been thoroughly vetted and class-tested by well-known researchers who have worked in the area of rank conditions in groups
  - Topical coverage reflects the most modern, up-to-date research on ranks of groups
  - Features a unified point-of-view on the most important results in ranks obtained using various methods so as to illustrate the role those ranks play within group theory
  - Focuses on the tools and methods concerning ranks necessary to achieve significant progress in the study and clarification of the structure of groups

  *Ranks of Groups: The Tools, Characteristics, and Restrictions* is an excellent textbook for graduate courses in mathematics, featuring numerous exercises, whose solutions are provided. This book will be an indispensable resource for mathematicians and researchers specializing in group theory and abstract algebra.

  **Print ISBN:** 978-1-119-08027-5 | Cloth | €105.00 | Sep 2017 | 352PP

  **About the Authors**

  Martyn R. Dixon, PhD, is Professor in the Department of Mathematics at the University of Alabama.
  Leonid Kurdachenko, PhD, is Distinguished Professor and Chair of the Department of Algebra at the University of Dnepropetrovsk (Ukraine) in 1976.
  Igor Ya Subbotin, PhD, is Professor in the Department of Mathematics and Natural Sciences at National University in Los Angeles, California.
**Software Quality Assurance**
Claude Y. Laporte & Alain April

This book introduces Software Quality Assurance (SQA) and provides an overview of standards used to implement SQA. It defines ways to assess the effectiveness of how one approaches software quality across key industry sectors such as telecommunications, transport, defense, and aerospace.

- Includes supplementary website with an instructors guide and solutions
- Applies IEEE software standards as well as the Capability Maturity Model Integration for Development (CMMI)
- Illustrates the application of software quality assurance practices through the use of practical examples, quotes from experts, and tips from the authors


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**Forensics**

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Series: Developments in Forensic Science
Previous Edition: 978-0-470-51705-5
Technology, Engineering, Architecture & Construction
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**CWTS**

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Robert J. Bartz

The official Study Guide for the CWTS Certification Exam

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**Print ISBN:** 978-1-119-38503-5 | Paper | €57.90 | Oct 2017 | 600PP

**Previous Edition:** 978-1-118-35911-2

**About the Author**

Robert J. Bartz, CWNP, CWSP, CWNT, is a technical trainer and consultant specializing in computer networking technology. His more than twenty-years experience with computer networking technology include having been involved with the CWNP program since inception and attending the first CWNA class in 2001.

Digital Photography & Video

**Canon EOS 77D For Dummies**
Julie Adair King

Get pro results from your Canon EOS 77D!

The Canon EOS 77D puts features from higher-end cameras into a model designed for amateur photographers. This book offers the help you need to start producing some pro-level photos with your 77D. Start by getting a grasp on the mysterious terms that photographers throw around then learn how your camera puts you in control of your image’s exposure, color, lighting, and focus. You’ll also learn some basic photography recipes to create portraits, nature shots, and action photos worth bragging about.

- Inside you’ll find a map of the camera’s controls, how to start in auto mode, exploring scene modes, a primer on lenses, and much more
- Features dozens of full-color photos designed to explain and illustrate how the 77D can control the focus, color, and lighting in an image
- Also offers tips on advanced features of the 77D

**Print ISBN:** 978-1-119-42009-5 | Paper | €TBA | Sep 2017 | 352PP

**About the Author**

Julie Adair King is a veteran digital photography author and educator whose books are industry bestsellers. Along with all previous editions of Digital Photography For Dummies, she is also the author of the bestselling guides to Nikon and Canon DSLR cameras.
Canon EOS Rebel T7i/800D For Dummies
Julie Adair King

Fast answers to your Canon EOS Rebel T7i/800D camera questions!
Your Canon EOS Rebel T7i/800D puts pro-level camera power in your hands, so you might as well shoot some pro-level shots with it! This reliable resource unravels the mysteries of your camera’s automatic and manual settings as it shows you how to take control of exposure, color, lighting, and focus to create superior images. Best of all, the book does all this with easy-to-understand explanations that you don’t have to be a pro photographer to understand. Along the way, it discusses updates to the most recent Rebel including a new sensor, expanded ISO range, and expanded autofocus features, to name a few.

- Offers simple steps to shooting quality photos
- Reveals the tricks pros use to control exposure settings
- Walks you through the steps of shooting in automatic, scene, or manual mode and explains how to use each for better photos


About the Author
Julie Adair King is a veteran digital photography author and educator whose books are industry bestsellers. Along with all previous editions of Digital Photography For Dummies, she is also the author of the bestselling guides to Nikon and Canon DSLR cameras.

Communications Technology

Advanced Multicarrier Technologies for Future Radio Communication 5G and Beyond
Hanna Bogucka, Adrian Kliks & Pawel Kryszkiewicz

A practical review of state-of-the-art non-contiguous multicarrier technologies that are revolutionizing how data is transmitted, received, and processed

- Addresses the problems and limitations of current multicarrier technologies (OFDM)
- Describes innovative techniques using non-contiguous multicarrier waveforms as well as filter-band based and generalized multicarrier waveforms
- Provides a thorough review of the practical limitations and solutions for evolving and breakthrough 5G communication technologies
- Explores the future outlook for non-contiguous multicarrier technologies as regards their greater industrial realization, hardware practicality, and other challenges

Print ISBN: 978-1-119-16889-8 | Cloth | €125.00 | Oct 2017 | 300PP
Hardware

Raspberry Pi For Dummies
3rd Edition
Sean McManus & Mike Cook

Master your Raspberry Pi in a flash with this easy-to-follow guide

Raspberry Pi For Dummies, Third Edition teaches you everything you need to know to get the most out of your device. Even if you’ve never ventured beyond e-mail and web browsers, this guide will give you the skills and confidence you need to take advantage of everything the Raspberry Pi has to offer. Veteran technology authors provide expert insight and guidance that get you up and running fast, allowing you to explore the full capabilities of your Raspberry Pi. The clear, concise style makes this guide easy to follow for complete beginners, providing step-by-step instruction throughout the setup process and into systems administration and programming. Topics touched upon include, being productive with Raspberry Pi, programming with Scratch, writing programs in Python, programming Minecraft with Python, making music with Sonic Pi, understanding circuits, and much more.

• Discusses how to install the operating system and connect to other devices
• Introduces Linux Administration and teaches how to program using the native Python interpreter
• Includes all of the latest on Bluetooth capabilities, the latest OS platform details, SD card copier, and much more
• Written by veteran tech writers with a firm understanding of Raspberry Pi’s capabilities

Previous Edition: 978-1-118-90491-6

About the Authors
Sean McManus is a technology and business author. His previous books include Microsoft Office for the Older and Wiser, Social Networking for the Older and Wiser, iPad for the Older and Wiser, and Small Business Websites That Work.

Mike Cook has a BSc (Hons) in Physical Electronics, and is the co-author of two other books about Raspberry Pi, published by Wiley: Raspberry Pi Projects and Raspberry Pi Projects For Dummies.

Also Available Titles

Raspberry Pi Projects For Dummies
Mike Cook, Brock Craft & Jonathan Evans
978-1-118-76669-9 €23.90

Raspberry Pi For Kids For Dummies
Richard Wentk
978-1-119-04951-7 €28.90

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John Nussey
978-1-118-44637-9 €21.90
Networking

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**Fundamentals, Design, and Evolution**
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- Examines computer hosting and orchestration in models such as dedicated appliances and virtualization
- Includes hands-on examples ranging from IETF discussions, regulatory considerations, policy formation, coders, hardware vendors and network operators

Print ISBN: 978-1-119-24987-0 | Cloth | €125.00 | Sep 2017 | 400PP

**DNS Security Management**
Michael Dooley & Timothy Rooney

- Presents security approaches for the various types of DNS deployments by role (e.g., recursive vs. authoritative)
- Discusses DNS resolvers including host access protections, DHCP configurations and DNS recursive server IPs
- Examines DNS data collection, data analytics, and detection strategies

Series: IEEE Press Series on Networks and Services Management

Web Development

**Podcasting For Dummies**
*3rd Edition*
Tee Morris & Chuck Tomasi

Accessible information on producing podcasts

More people than ever are turning to podcasts for on-demand, mobile entertainment and information. *Podcasting For Dummies, Third Edition* offers a fast and easy way to grab the know-how you need to produce and distribute your own podcast. Written by a pair of podcasting pioneers, this book shares insight on the technology behind recording, editing, and sharing podcasts along with tips on how to produce a pro-level podcast and find your audience. Along the way, this reliable resource offers valuable insights on planning your podcast, getting the gear you need, managing recording day, picking your platform, and much more.

- Highlights the tools you need to produce your own podcast
- Provides essential tips on building an audience
- Offer expert shortcuts for recording and editing your podcasts

Previous Edition: 978-0-470-27557-3

About the Authors

Tee Morris was an early podcasting adopter who used the technology to build audiences for his fiction writing. He became an award-winning podcaster and is co-founder of podiobooks.com.

Chuck Tomasi is an IT professional who also creates and publishes podcasts on a variety of topics at chuckchat.com.
Electrical & Electronics Engineering

Swift in the Cloud
Leigh Williamson, John Ponzo, Patrick Bohrer, Ricardo Olivieri, Karl Weinmeister & Samuel Kallner

The definitive guide to writing and running Swift language programs specifically for cloud computing environments

Swift in the Cloud covers technical details of all aspects of creating and running Swift language applications in cloud computing environments. The techniques described combine the concepts that motivated support for cloud hosted Swift code with plenty of examples of real code that you can run and experiment with. The book is written especially for developers, as a practical guide for how to quickly create server applications using Swift and run them on pay-as-you-go cloud infrastructure.

- Discusses the elements and structure of the open technology Swift.org project
- Addresses using Docker Containers to Run Swift as well as the Cloud Foundry Buildpack for Swift
- Includes insights on Swift Packages and the Swift Package Manager

About the Author
Leigh Williamson is an IBM Distinguished Engineer who has been working in the Austin, Texas lab since 1989, contributing to IBM’s major software projects including OS/2, DB2, AIX, Java, WebSphere, Rational and MobileFirst products. He is currently a member of the IBM Cloud Advisor team.

The Profession of Modeling and Simulation
Discipline, Ethics, Education, Vocation, Societies, and Economics
Andreas Tolk & Tuncer Ören
Old Dominion University

The definite guide to the theory, knowledge, technical expertise, and ethical considerations that define the M&S profession

From traffic control to disaster management, supply chain analysis to military logistics, healthcare management to new drug discovery, modeling and simulation (M&S) has become an essential tool for solving countless real-world problems. M&S professionals are now indispensable to how things get done across virtually every aspect of modern life. This makes it all the more surprising that, until now, no effort has been made to systematically codify the core theory, knowledge, and technical expertise needed to succeed as an M&S professional.

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- Highlights professional and academic aspects of the field, including preferred programming languages, professional academic and certification programs, and key international societies
- Shows why M&S professionals must be fully versed in the theory, concepts, and tools needed to address the challenges of cyber environments

The Profession of Modeling and Simulation is a valuable resource for M&S practitioners, developers, and researchers working in industry and government. Simulation professionals, including administrators, managers, technologists, faculty members, and scholars within the physical sciences, life sciences, and engineering fields will find it highly useful, as will students planning to pursue a career in the M&S profession.

About the Editors
Andreas Tolk, PhD, is Computer Science Principal in the Simulation Department of The MITRE Corporation.
Tuncer Ören, PhD, is Professor Emeritus of Computer Science in the School of Electrical Engineering and Computer Science at the University of Ottawa.
Contact Lines for Electrical Railways
Planning, Design, Implementation, Maintenance, 3rd Edition
Friedrich Kiessling, Rainer Puschmann, Axel Schmieder

Electric traction is the most favourable type of power supply for electric railways from both ecological and economic perspectives. Its reliability largely depends on contact lines, which must operate in all climatic conditions with as little maintenance as possible. Extreme demands arise when overhead contact lines are required to provide reliable and safe power transmission to electric traction vehicles travelling at speeds in excess of 300 km/h. The authors have used their world-wide experience to provide comprehensive descriptions of configuration, mechanical and electrical design, installation and operation of contact lines for electric railways on local and long-distance transportation systems, including high-speed lines. The book provides students and those embarking on a career in this field with a detailed presentation of the subject, including the electromechanical and structural requirements. Railway company professionals and manufacturers of contact line systems will find practical guidance in the planning and implementation of systems, as well as appropriate specifications and the technical data they will need, including standards and other regulations. Since large sections of the book are dedicated to the system aspects, consultant engineers can also use it as a basis for designing systems and interfaces to other subsystems of electric railway engineering.

Print ISBN: 978-3-89578-420-0 | Cloth | €129.00 | Aug 2017 | 1200PP

Designing Knowledge Organizations
Joseph Morabito, Ira Sack & Anilkumar Bhave

• Integrates the disciplines of knowledge management and organizational design in a pedagogical and practical manner
• Discusses a wide variety of knowledge management systems, including knowledge repositories, business intelligence systems, and analytics
• Presents a targeted review of literature that has proved to be foundational for the authors' innovative approach, with case studies in healthcare, finance, and telecommunications
• Provides a toolkit for instructors and professors, with slides and accompanying text, board-work, case studies, and numerous illustrative examples


Electromagnetic Bandgap (EBG) Structures
Common Mode Filters for High Speed Digital Systems
Antonio Orlandi, Bruce Archambeault, Francesco de Paulis & Samuel Connor

• Presents information on planar EBG based common mode filters for high speed differential digital systems
• Provides systematic analysis of the fundamental mechanisms of planar EBG structures
• With detailed design methodology to create an EBG filters without the need for repeated full-wave electromagnetic analysis
• Demonstrates techniques for use in practical real-world designs

Print ISBN: 978-1-119-28152-8 | Cloth | €125.00 | Aug 2017 | 264PP
**Arithmetic Circuits for DSP Applications**

Pramod Kumar Meher & Thanos Stouraitis

This is the first comprehensive book on arithmetic circuits for digital signal processing (DSP) to provide key concepts, developments, and applications for different types of arithmetic circuits, which can be utilized for improving the efficiency of implementation of a multitude of DSP applications. Each chapter provides some applications of the respective class of arithmetic circuits along with the future scope of research.

- Covers arithmetic circuit building blocks for state-of-the-art DSP applications
- Presents major techniques for CORDIC circuits
- Scope of arithmetic circuits and their applications are covered in depth

Print ISBN: 978-1-119-20677-4 | Cloth | €129.00 | Sep 2017 | 328PP

**About the Authors**

Pramod Kumar Meher is Senior Research Scientist with the School of Computer Engineering at Nanyang Technological University, Singapore. He currently serves as an Associate Editor for the IEEE Transactions on Very Large Scale Integration (VLSI) systems, Integration — the VLSI Journal, and Journal of Circuits, Systems, and Signal Processing. Dr. Meher is a Fellow of the Institution of Electronics and Telecommunication Engineers, India. He has authored nearly 100 journal papers out of which more than 60 are published in IEEE Transactions and 20 more in other highly reputed journals.

Thanos Stouraitis is a Professor of the Electrical and Computer Engineering Department at the University of Patras, Greece, where he directs the Signal and Image Processing Laboratory. He has founded and directs the International Graduate Program on Sign Processing Systems and Communications, a collaboration of the University of Patras and other European and American Universities. He was President of the IEEE Circuits and Systems Society (2012-2013), and was recently appointed to the Scientific Board for Mathematics and Informatics of Greece. He has authored the University of Patras book, *Digital Signal Processing*, and co-authored the Marcel Dekker Inc. book, *Digital Filter Design Software for the IBM PC*.

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**Chemically Reacting Flow**

Theory, Modeling, and Simulation, 2nd Edition

Robert J. Kee, Michael E. Coltrin, Peter Glarborg & Huayang Zhu

A guide to the theoretical underpinnings and practical applications of chemically reacting flow

New to this second edition are substantially revised and reorganized coverage of topics treated in the first edition. New material in the book includes two important areas of active research: reactive porous-media flows and electrochemical kinetics. These topics create bridges between traditional fluid-flow simulation approaches and transport within porous-media electrochemical systems.

- Features new chapters on reactive porous-media flow, electrochemistry, chemical thermodynamics, transport properties, and solving differential equations in MATLAB
- Provides the theoretical underpinnings and practical applications of chemically reacting flow
- Emphasizes fundamentals, allowing the analyst to understand fundamental theory underlying reacting-flow simulations
- Helps readers to acquire greater facility in the derivation and solution of conservation equations in new or unusual circumstances
- Reorganized to facilitate use as a class text and now including a solutions manual for academic adopters

Print ISBN: 978-1-119-18487-4 | Cloth | €202.00 | Sep 2017 | 792PP

Previous Edition: 978-0-471-26179-7

**About the Authors**

Robert J. Kee, PhD, is the George R. Brown Distinguished Professor of Engineering at the Colorado School of Mines in Golden, Colorado.

Michael E. Coltrin, PhD, is a distinguished member of the technical staff at Sandia National laboratories in Albuquerque, New Mexico.

Peter Glarborg, PhD, is a Professor of Chemical Engineering at the Technical University of Denmark in Lyngby, Denmark.

Huayang Zhu, PhD, is a Professor in the Mechanical Engineering department at the Colorado School of Mines in Golden, Colorado.
**Ion Exchange**

**Environmental Processes**

Arup K. SenGupta

Provides a comprehensive introduction to ion exchange for beginners and in-depth coverage of the latest advances for those already in the field. As environmental and energy-related regulations have grown, ion exchange has assumed a dominant role in offering solutions to many concurrent problems both in the developed and the developing world. Written by an internationally acknowledged leader in ion exchange research and innovation, *Ion Exchange: Environmental Processes* is both a comprehensive introduction to the science behind ion exchange and an expert assessment of the latest ion exchange technologies. Its purpose is to provide a valuable reference and learning tool for virtually anyone working in ion exchange or interested in becoming involved in that incredibly fertile field.

- Connects state-of-the-art innovations in such a way as to help researchers and process scientists get a clear picture of how ion exchange fundamentals can lead to new applications
- Covers the design of selective or smart ion exchangers for targeted applications — an area of increasing importance — including solid and gas phase ion exchange processes
- Provides in-depth discussion on intraparticle diffusion controlled kinetics for selective ion exchange
- Features a chapter devoted to exciting developments in the areas of hybrid ion exchange nanotechnology or polymeric/inorganic ion exchangers

*Ion Exchange in Environmental Processes* is a valuable resource for students, process engineers, and chemists working in an array of industries, including mining, microelectronics, pharmaceuticals, energy, and wastewater treatment, to name just a few.

Print ISBN: 978-1-119-15739-7 | Cloth | €182.00 | Oct 2017 | 344PP

**About the Author**

Arup K. SenGupta is currently the P.C. Rossin Professor in the Department of Civil and Environmental Engineering and Department of Chemical Engineering at Lehigh University. Over the last 35 years he has studied, learned, taught, and carried out an extensive amount of research pertaining to nearly every facet of ion exchange. In 2004 Dr. SenGupta received the International Ion Exchange Award at Cambridge University in England. He was the North American Editor of the *Reactive and Functionalized Polymers Journal* from 1996-2006.

**Performance of the Jet Transport Airplane**

**Analysis Methods, Flight Operations and Regulations**

Trevor M. Young

*Performance of the Jet Transport Airplane: Analysis Methods, Flight Operations, and Regulations* presents a detailed and comprehensive treatment of performance analysis techniques for jet transport airplanes. Uniquely, the book describes key operational and regulatory procedures and constraints that directly impact the performance of commercial airliners.

Key features:
- Describes methods for the analysis of the performance of jet transport airplanes during all phases of flight
- Presents both analytical (closed form) methods and numerical approaches
- Describes key FAA and EASA regulations that impact airplane performance
- Presents equations and examples in both SI (Système International) and British units
- Considers the influence of operational procedures and its impact on airplane performance

*Performance of the Jet Transport Airplane: Analysis Methods, Flight Operations, and Regulations* provides a comprehensive treatment of the performance of modern jet transport airplanes in an operational context. It is a must-have reference for aerospace engineering students, applied researchers conducting performance-related studies, and flight operations engineers.

Series: Aerospace Series

**About the Author**

Trevor M. Young, University of Limerick, Ireland, is a senior lecturer and former head of the Mechanical and Aeronautical department at the University of Limerick. He has 10 years industrial experience in aircraft design/modification and holds a Private Pilots Licence (over 300 hrs experience). He is actively involved in applied aerospace research and has acted as an expert evaluator for the European Commission. He is co-director of the Limerick Centre for Composite Materials (LCCM) which he was instrumental in establishing, and also the Principal Investigator for establishing the Irish Centre for Composites Research (iComp) in 2010–2014. Dr. Young has published over 35 technical papers and two books on technical writing.
Technology and Practical Use of Strain Gages
With Particular Consideration of Stress Analysis Using Strain Gages
Stefan Keil

Strain gages are used in all areas of engineering, and in large quantities. This book is a comprehensive basic compendium about the application of strain gages. It serves to explain the use of strain gages as an introduction, instruction for use and reference work for all fields and involved parties. The application-related description of the principles of the measurement, installation and experimental set-ups derives from the author’s own experiences in the field. Particular emphasis is laid on the correct planning and assessment of measurements. The algorithms for the stress analysis are explained in great detail. Extensive information and explanation about fastening on various object materials and a guideline for quality check are given. All kind of circuits are described and step-by-step guidance for preparation and performing the determination of mechanical stresses, thermal stresses, and deformation is given. All explanations are practice-oriented and include adhesives, cable properties, temperature and moisture influence as well as signal processing and calibration. The book includes numerous real-life application examples, which can be considered as samples for the solution of similar tasks as well as for interpretation of the results. Comments help to avoid typical mistakes. A brief historical review about strain gage inventions looking at the “who, when and how” round off the work. This work is an indispensable reference work for structural engineers, mechanical engineers, materials scientists and related disciplines.

Print ISBN: 978-3-433-03202-2 | Cloth | €209.00 | Sep 2017 | 512PP

About the Author
Prof. Dr.-Ing. Stefan Keil played an authoritative part in the development of modern processes for experimental strain analysis for more than 25 years.

Energy Principles and Variational Methods in Applied Mechanics
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J. N. Reddy

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Previous Edition: 978-0-471-17985-6

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Sandip K. Lahiri

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• Features case studies and real-world examples from industries, worldwide, illustrating the advantages and common pitfalls of MPC systems
• Describes MPC application failures in an array of companies, exposes the root causes of those failures, and offers proven safeguards and corrective measures for avoiding similar failures

Print ISBN: 978-1-119-24360-1 | Cloth | £149.00 | Sep 2017 | 328PP
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5th Edition

Osamu A. Wakita, Nagy R. Bakhom & Richard M. Linde

The detailed, highly illustrated, comprehensive guide to architectural working drawings

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• Create architectural drawings that effectively communicate your design
• Learn techniques used in both residential and light commercial projects
• Investigate BIM, 3D modeling, and other architectural technologies
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Print ISBN: 978-1-118-88052-4 | Cloth | €129.00 | Oct 2017 | 704PP

About the Authors

Osamu A. Wakita, Hon. AIA, retired professor of architecture and former department chair at Los Angeles Harbor College. Award winning educator with fifty years of teaching experience. Recognized by the California Council of the American Institute of Architects as one of the leading authorities on perspective drawing.

Nagy R. Bakhom, licensed architect and principal of Obelisk Architects in Torrance, CA. Extensive experience working on high-end residential and commercial projects, both domestically and internationally. Professor of Architecture in the Los Angeles Community College system with over 15 years’ experience as an educator.

Richard M. Linde, AIA (deceased) was a licensed architect and past president of the AIA.

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The idea that a building is ‘finished’ or ‘complete’ on the day it opens its doors is hardwired into existing thinking about design, planning and construction. But this ignores the unprecedented rate of social and technological change. A building only begins its life when the contractors leave. With resources at a premium and a greater need for a sustainable use of building materials, can we still afford to construct new housing or indeed any buildings that ignore the need for flexibility or the ability to evolve over time? Our design culture needs to move beyond the idealisation of a creative individual designer generating highly specific forms with fixed uses. The possibilities of adaptation and flexibility have often been overlooked, but they create hugely exciting ‘loose-fit’ architectures that emancipate users to create their own versatile and vibrant environments.

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K.U. Leuven, Department of Civil Engineering, Building Physics Section

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- Solved examples and applications
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Print ISBN: 978-1-119-24292-5 | Cloth | €122.00 | Sep 2017 | 472PP

Polymer Synthesis

Polymer Science for Engineers
Stoyko Fakirov
Filling a gap in the market, this textbook provides a concise, yet thorough introduction to polymer science for advanced engineering students and practitioners, focusing on the chemical, physical and materials science aspects that are most relevant for engineering applications.

After covering polymer synthesis and properties, the major section of the book is devoted to polymeric materials, such as thermoplastics and polymer composites, polymer processing such as injection molding and extrusion, and methods for large-scale polymer characterization. The text concludes with an overview of engineering plastics. The emphasis throughout is on application-relevant topics, and the author focuses on real-life, industry-relevant polymeric materials.

Print ISBN: 978-3-527-34131-3 | Cloth | €109.00 | Sep 2017 | 424PP

About the Author

Stoyko Fakirov is currently Visiting Professor in the Centre for Advanced Composite Materials at the University of Auckland, New Zealand. He studied chemistry at the University of Sofia, Bulgaria, and received his PhD from the Lomonossov State University in Moscow. Stoyko Fakirov is member of the editorial board of seven international journals on polymers and advanced materials. He has published more than 300 peer-reviewed papers, edited or co-edited thirteen books on polymer science and holds nine US patents.
## Wiley New Books October 2017

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