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Architecture, Construction & Engineering
Design Drawing, 3rd Edition
Francis D. K. Ching & Steven P. Juroszek

Previous Editions Licensed in Bahasa Indonesian, French, Korean, Orthodox Chinese, Portuguese, Russian, Simplified Chinese, Spanish

A completely revised edition to mastering the visual language of architecture

In his signature style, Frank Ching partners with Steven Juroszek to revise this Third Edition to update and expand on digital drawing topics to meet the needs of today’s students and professional architects alike. Frank’s approach to the discipline of hand drawing emphasizes the importance of understanding spatial concepts and the ability to think and visualize in three dimensions. This Third Edition takes a deep dive into critical digital drawing techniques and expands on the fundamentals of hand drawing by including new exercises and examples. Readers will have access to an all-new companion website featuring animations, 3D models, and videos of Frank demonstrating essential hand drawing concepts in studio and on location.

The book features more than 1,500 hand-rendered drawings—beautiful illustrations that reinforce the concepts and lessons of each chapter.

About the Author

Francis D. K. Ching is one of the leading authorities on architectural design drawing around the world. His numerous bestselling works have been translated into over seventeen languages and are regarded as classics for their renowned graphic presentation. He is a registered architect and Professor Emeritus at the University of Washington in Seattle.
The SketchUp Workflow for Architecture, 2nd Edition
Modeling Buildings, Visualizing Design, and Creating Construction Documents with SketchUp Pro and LayOut
Michael Brightman

A guide for leveraging SketchUp for any project size, type, or style

The revised and updated second edition of The SketchUp Workflow for Architecture offers guidelines for taking SketchUp to the next level in order to incorporate it into every phase of the architectural design process. The text walks through each step of the SketchUp process from the early stages of schematic design and model organization for both renovation and new construction projects to final documentation and shows how to maximize the LayOut toolset for drafting and presentations. Written by a noted expert in the field, the text is filled with tips and techniques to access the power of SketchUp and its related suite of tools. The book presents a flexible workflow method that helps to make common design tasks easier and gives users the information needed to incorporate varying degrees of SketchUp into their design process. Filled with best practices for organizing projects and drafting schematics, this resource also includes suggestions for working with LayOut, an underused but valuable component of SketchUp Pro. In addition, tutorial videos compliment the text and clearly demonstrate more advanced methods. This important text:

- Presents intermediate and advanced techniques for architects who want to use SketchUp in all stages of the design process
- Includes in-depth explanations on using the LayOut tool set that contains example plans, details, sections, presentations, and other information

About the Author

Michael Brightman is president at Brightman Designs, a firm of talented designers, 3D modelers, visualization experts, and trainers. Brightman Designs offers design, drafting, visualization, and workflow training services for designers all over the world.
**BIM Handbook, 3rd Edition**

**A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers**

Rafael Sacks, Chuck Eastman, Ghang Lee & Paul Teicholz

Previous Edition Licensed in Italian, Korean, Orthodox Chinese, Portuguese, Simplified Chinese

**Discover BIM: A better way to build better buildings**

Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The *BIM Handbook, Third Edition* provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include:

- Information on the ways in which professionals should use BIM to gain maximum value
- New topics such as collaborative working, national and major construction clients, BIM standards and guides
- A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services
- A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions

**About the Authors**

**Rafael Sacks** is a Professor of Civil Engineering and leads the Virtual Construction Lab at the Technion — Israel Institute of Technology.

**Charles Eastman** is Professor Emeritus in the College of Architecture at Georgia Tech. He founded the Digital Building Laboratory.

**Ghang Lee** is a Professor and the Director of the Building Informatics Group at Yonsei University in Seoul, Korea.

**Paul Teicholz** is Professor Emeritus at Stanford University. He founded the Center for Integrated Facility Engineering at Stanford University.
SketchUp for Builders
A Comprehensive Guide for Creating 3D Building Models Using SketchUp
John G. Brock

Learn how SketchUp can turn architectural design into reality

Tutorials and resources are limited for builders who want to learn how SketchUp can turn architectural design into reality. *SketchUp for Builders* is a comprehensive guide for builders, contractors, and designers using SketchUp to model their proposed projects from start to finish — before they are actually built. Included are in-depth explanations of both free and paid extensions that aid in project efficiency. This book goes beyond the basics and provides modeling of each phase of construction from site models to foundations, framing, exterior and interior finishes, and much more.

- Written for contractors and builders, this comprehensive guide to using SketchUp introduces a constructability process that delivers built projects more efficiently and cost effectively.
- Goes beyond the basics to provide techniques for builders and architects who want to use SketchUp in all stages of construction.
- Includes steps for creating construction documents, renderings, animations, virtual tours, and much more.
- Author is a (Trimble) SketchUp speaker and presenter at numerous trade shows including NAHB's International Builders Show, AIA National Convention, and SketchUp's 3D Basecamp.

About the Author

John G. Brock is the founder of Brockworks, Inc. He has been in the building business since 1987, after graduating from Virginia Tech with a B.S. in Civil Engineering and a minor in Construction Management. After working as an engineer, superintendent, project manager and VP of Construction for a large residential builder, John started his own company in 1994.
Barry’s Advanced Construction of Buildings, 4th Edition
Stephen Emmitt

The updated edition of the authoritative and comprehensive guide to construction practice
The revised fourth edition of Barry’s Advanced Construction of Buildings expands on the resource that has become a standard text on the construction of buildings. The fourth edition covers the construction of larger-scale buildings (primarily residential, commercial and industrial) constructed with load bearing frames in timber, concrete and steel; supported by chapters on offsite construction, piling, envelopes to framed buildings, fit-out and second fix, lifts and escalators, building pathology, upgrading and demolition.

Barry’s Introduction to Construction of Buildings, 4th Edition
Stephen Emmitt

An authoritative, well-established, comprehensive, practical, and highly illustrated guide to construction practice
Based mainly on domestic and residential buildings — and filled with extensive illustrations throughout — this concise text is the ideal introduction to the subject of building construction. It provides the basic material that readers need in order to understand the construction process for the majority of low rise buildings. The book explains construction technology through the key functional and performance requirements for the main elements common to all buildings.

Composite Structures of Steel and Concrete, 4th Edition
Beams, Slabs, Columns and Frames for Buildings
Roger P. Johnson

This book provides an introduction to the theory and design of composite structures of steel and concrete. Material applicable to both buildings and bridges is included, with more detailed information relating to structures for buildings. Throughout, the design methods are illustrated by calculations in accordance with the Eurocode for composite structures, EN 1994, Part 1-1, General rules and rules for buildings and Part 1-2, Structural fire design, and their cross-references to ENs 1990 to 1993. The methods are stated and explained, so that no reference to Eurocodes is needed.

Wind Effects on Structures, 4th Edition
Modern Structural Design for Wind
Emil Simiu & DongHun Yeo
ISBN: 978-1-119-37588-3 • Feb 2019 • 640pp

Provides structural engineers with the knowledge and practical tools needed to perform structural designs for wind that incorporate major technological, conceptual, analytical and computational advances achieved in the last two decades. With clear explanations and documentation of the concepts, methods, algorithms, and software available for accounting for wind loads in structural design, it also describes the wind engineer’s contributions in sufficient detail that they can be effectively scrutinized by the structural engineer in charge of the design.
Electric Distribution Systems, 2nd Edition
Abdelhay A. Sallam & Om P. Malik


Previous Edition Licensed in Simplified Chinese

A comprehensive review of the theory and practice for designing, operating, and optimizing electric distribution systems, revised and updated

Now in its second edition, Electric Distribution Systems has been revised and updated and continues to provide a two-tiered approach for designing, installing, and managing effective and efficient electric distribution systems. With an emphasis on both the practical and theoretical approaches, the text is a guide to the underlying theory and concepts and provides a resource for applying that knowledge to problem solving.
How Your House Works, 3rd Edition
A Visual Guide to Understanding and Maintaining Your Home

Charlie Wing

Previous Edition Licensed in Simplified Chinese

The updated and highly illustrated guide to understanding how just about everything in your house works!

The revised and updated third edition is a hands-on guide that gives you the low-down on why your faucet is leaking, your dishwasher is overflowing, or your furnace is on the fritz. This comprehensive book is your reference to virtually everything in your house with richly illustrated explanations of electrical systems, heating and air conditioning, plumbing, major household appliances, foundation, framing, doors, and windows. This must-have book answers most questions homeowners face when repairs are needed or when a new house or addition is in your future. How Your House Works is filled with easy-to-understand illustrations that show how things should be put together and how they function. The book also highlights issues outside the house as well as clock thermostats, ventless gas heaters, moisture and mold, and passive solar heating. Using the illustrations and the authors clear explanations might save you the expense of calling a professional. This invaluable guide:

- Offers a colorful resource to home electrical systems, HVAC, plumbing, major household appliances, foundation, framing, doors and windows, sustainability, and much more
- Includes easy-to-follow information for troubleshooting problems
- Contains dozens of new full-color illustrations
- Presents new chapters on solar power and smart home technologies
- Helps homeowners save money on many common household repairs

About the Author

Charlie Wing, PHD, is a recognized authority on home building and remodeling, home repair, energy conservation and boating. He specializes in translating and illustrating technical information into easily understood layman’s terms. He cofounded the nation’s first two owner-builder schools, developed the first DOE-approved computerized home energy audit, and wrote and hosted the national PBS TV series, Housewarming with Charlie Wing.
Handbook of Environmental Engineering
Myer Kutz
ISBN: 978-1-118-71294-8 • Sep 2018 • 768pp

A comprehensive guide for both fundamentals and real-world applications of environmental engineering
Written by noted experts, Handbook of Environmental Engineering offers a comprehensive guide to environmental engineers who desire to contribute to mitigating problems, such as flooding, caused by extreme weather events, protecting populations in coastal areas threatened by rising sea levels, reducing illnesses caused by polluted air, soil, and water from improperly regulated industrial and transportation activities, promoting the safety of the food supply.

Housing Design for An Increasingly Older Population
ISBN: 978-1-119-18003-6 • Aug 2018 • 336pp

A comprehensive guide to designing housing for the world’s aging population
The dilemma of helping older people maintain their independence through better housing with services is growing. This book presents innovative solutions for those who create and provide housing for the world’s increasingly longer-living population. By focusing on three specific housing and service arrangements, it offers alternatives that provide greater freedom of choice than the current living arrangements that exist today. It presents selected examples of housing and service solutions from the US, Sweden, Denmark and the Netherlands to stimulate thinking about the possibilities of community-based service models.

Supercharged
3D Printing
ISBN: 978-1-119-53235-4 • Mar 2019 • 256pp

Discover how to use 3D printing to drive value in your supply chain
Every day sees a new application of 3D printing, whether it is as an aid to prototyping or as a part of the process to make a finished product. Beyond its latest capabilities, the technology offers companies ways to completely transform their supply chains, beyond simply how its products are designed or made. Supercharg3d: How 3D Printing Will Drive Your Supply Chain goes beyond a simple narrative of the latest technological advances or a list of the many wonderful things that 3D printing is being used to make: it asks how supply chains will be affected.
Health Sciences
Advances in Esthetic Implant Dentistry
Abdelsalam Elaskary

A comprehensive and highly illustrated reference on current topics in esthetic dental implant therapy. "Advances in Esthetic Implant Dentistry" provides a current, comprehensive overview of aesthetic implant therapy. Offering innovative step-by-step protocols for surgical techniques and case studies, the book presents practical, clinically oriented guidance firmly anchored in solid scientific research. A companion website provides videos of clinical procedures and follow-up case studies. The book emphasizes the physiology of labial plate of bone and its influence to the overall fate of implant placement in fresh extraction sites, including several cutting-edge techniques to restore and treat deficient labial plate of bone. A novel chapter offers a solid protocol to diagnose, categorize, and treat implant-related gingival recession predictably.

- Highlights novel esthetic protocols in dental implantology, applying the latest advances in clinical techniques to real-world dentistry
- Follows up on treatment outcomes, presenting results up to seven years later
- Provides reliable, evidence-based bone regenerative methods
- Illustrates procedures step by step, with more than 2500 clinical photographs
- Features a companion website with videos of clinical procedures and follow-up case studies

"Advances in Esthetic Implant Dentistry" is an indispensable clinical companion for practitioners and students of periodontics, prosthodontics, oral and maxillofacial surgery, and general dentistry, bringing the reader new horizons in esthetic dentistry.

About the Author
Dr. Abdelsalam Elaskary is the founder of the Elaskary & Associates clinic and educational institute located in Alexandria, Egypt and is currently a visiting lecturer at the University of New York (NYU) in New York City, New York, USA.
Clinical Cases in Dental Hygiene
Cheryl M. Westphal Theile, Mea A. Weinberg & Stuart L. Segelnick

Series: Clinical Cases (Dentistry) • ISBN: 978-1-119-14502-8 • Nov 2018 • 304pp

Clinical Cases in Dental Hygiene is an indispensable resource to understanding both the theory and practice of dental hygiene, illustrated by real-life cases in a clinically relevant format.
- Offers a unique case-based format that supports problem-based learning
- Promotes independent learning through self-assessment and critical thinking
- Includes a wealth of relevant cases for understanding dental procedures and management of patients
- Covers all essential topics within the scope of dental hygiene

Endodontology at a Glance
Alix Davies, Federico Foschi & Shanon Patel

Series: At a Glance (Dentistry) • ISBN: 978-1-118-99470-2 • Dec 2018 • 104pp

A practical and colourful introductory guide, Endodontology at a Glance covers all the essential topics (diagnosis, endodontic therapy, pain management and outcome of treatment) as well as the recent developments that comprise the field of endodontology. Written by experts in the field, the book explores the causes and sequelae of endodontic disease and offers suggestions for taking an effective patient history.
- New addition to the At a Glance series covering a core area of dentistry
- Review style makes for the ideal revision companion
- Includes access to a companion website with MCQs for self-assessment and downloadable images for use in teaching

Essential Physiology for Dental Students
Kamran Ali & Elizabeth Prabhakar

Series: Essentials (Subject 2: Dentistry) • ISBN: 978-1-119-27171-0 • Nov 2018 • 185pp

Essential Physiology for Dental Students offers comprehensive information on human physiology, tailored to the needs of students of dentistry. This new addition to the Dentistry Essentials series helps students gain a deeper understanding of how physiological concepts apply to clinical dental practice. Each chapter outlines an organ system in sufficient detail whilst emphasizing its relevance to clinical dentistry. Written in a student-friendly style, it contextualizes how normal and altered physiology affects dental care and highlights the implications of dental interventions on the body’s functioning.

Sports Dentistry: Principles and Practice
Peter D. Fine, Chris Louca & Albert Leung

ISBN: 978-1-119-33255-8 • Nov 2018 • 224pp

Sports Dentistry: Principles and Practice is a comprehensive resource that addresses all aspects of this burgeoning field of dentistry.
- Provides a comprehensive manual that covers the fundamental principles and practice of sports dentistry
- Addresses all aspects of sports dentistry, including treatment of injuries, preventative measures, oral health and marketing and practice management
- Offers information on providing dental facilities at sporting arenas
- Presents suggestions for treating young children and the specific issues they present
- Includes a companion website with illustrative case studies
Cardiovascular Disease
Diet, Nutrition and Emerging Risk Factors, 2nd Edition
BNF (British Nutrition Foundation)

A comprehensive, accessible summary of the latest research in heart disease risk factors

Cardiovascular Disease (CVD) is a major cause of early death and disability across the world. The major markers of risk — including high blood cholesterol, smoking, and obesity — are well known, but studies show that such markers do not account for all cardiovascular risk. Written by a team of renowned experts in the field, this comprehensive and accessible book examines the evidence for emerging and novel risk factors, and their relationship with diet and nutrition. Fully updated throughout, Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors, 2nd Edition covers everything from the epidemiology of cardiovascular disease, to genetic factors, to inflammation and much more — offering invaluable advice on reducing risk factors and preventing CVD. This new edition: Authoritatively reports on the link between emerging aspects of diet, lifestyle and cardiovascular disease risk Focuses on novel risk factors of CVD and how it can be prevented Is accessible to all levels of readers Features evidence-based recommendations for interventions and future research Includes references, commonly asked questions that summarise the take-home messages, and an online glossary Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors, 2nd Edition is an important book for researchers and postgraduate students in nutrition, dietetics, food science, and medicine, as well as for cardiologists and cardiovascular specialists.

About the Author

Professor Keith Frayn is Emeritus Professor of Human Metabolism at the University of Oxford. He has published extensively in the area of metabolic regulation, including the textbook Human Metabolism: a Regulatory Perspective. Sara Stanner is Science Director at the British Nutrition Foundation (BNF). She edited the first edition of Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors and other BNF Task Force books.
Color Atlas of Clinical Hematology
Molecular and Cellular Basis of Disease, 5th Edition
Victor Hoffbrand, Paresh Vyas, Elias Campo & Torsten Haferlach

Provides coverage of the pathogenesis, clinical, morphologic, molecular and investigational aspects of a full range of blood disorders seen in daily practice.

The revised fifth edition of this renowned atlas presents readers with a comprehensive, visual guide to clinical hematology, featuring 2700 full-color photographs and figures depicting the spectrum of hematological diseases. Ranging from photographs of the clinical manifestations and key microscopic findings to diagrams of the molecular aspects of these diseases, the book provides up-to-date information of the blood diseases that clinicians encounter every day. Color Atlas of Clinical Hematology: Molecular and Cellular Basis of Disease offers the reader an understanding of normal cell machinery, and of the molecular basis for such processes as DNA and cell replication, RNA species, trafficking and splicing, protein synthesis, transcription factors, growth factor signal transduction, epigenetics, cell differentiation, autophagy, and apoptosis. The text goes on to explore how these processes are disturbed in the various diseases of the bone marrow, blood, and lymphoid systems.

About the Authors

Victor Hoffbrand, MA, DM, FRCP, FRCPath, DSc, FMed Sci, is Emeritus Professor of Hematology at University College, London, UK.

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Communicable Disease Control and Health Protection Handbook
4th Edition

Norman Begg, Ralf Reintjes, Karl Ekdahl, Obaghe Edeghere & Jim E. van Steenbergen

Health protection professionals need rapid access to authoritative and easy-to-use information to ensure their actions are based on international best practice. This is precisely what the *Communicable Disease Control and Health Protection Handbook* does. This concise and practical handbook is an essential guide for all those who have responsibility for the identification and control of infectious disease. In the past five years, there have been many major changes in health protection practice, and significant scientific progress in the field, all of which are reflected in this new edition of the popular *Communicable Disease Control and Health Protection Handbook*. All chapters have been updated in line with recent changes in epidemiology, new guidelines for control and administrative changes. Basic principles of communicable disease control and health protection, major syndromes, control of individual infections, main services and activities, organizational arrangements for all EU countries and sources of further information are covered. *Communicable Disease Control and Health Protection Handbook* is an indispensable companion for all those who are engaged in health protection, including public health physicians, epidemiologists, infection control nurses, microbiologists and trainees in the field.

**About the Authors**

Jeremy Hawker is Regional Epidemiologist for the Health Protection Agency, West Midlands; Registrar of the UK Faculty of Public Health, UK

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Professor Karl Ekdahl is Head of Public Health Capacity and Communication Unit, European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden

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Jim van Steenbergen is an infectious disease control physician for the National Coordination Centre for Communicable Disease Control (LCI), Centre for Infectious Disease Control at the National Institute for Public Health and the Environment (RIVM)
Smith’s Textbook of Endourology
2 Volume Set, 4th Edition

Arthur D. Smith, Glenn Preminger, Gopal H. Badlani & Louis R. Kavoussi

Rights Already Licensed in Russian

Edited by the father of endourology, Arthur Smith, Smith’s Textbook of Endourology is the definitive reference book in the field, addressing every aspect of endourologic procedure including methods of access, operative techniques, complications, and postoperative care. The reader is taken on a step-by-step journey through percutaneous surgery, ureteroscopy, extracorporeal shock wave lithotripsy, laparoscopy, and lower urinary tract procedures, and is given a comprehensive look at the influx of and dynamic changes in robotic and laparascopic procedures, and image-guided technologies. The principles and function of state-of-the-art endourologic instruments are outlined for each procedure. Full-color throughout and with over 1200 outstanding illustrations, the fourth edition will contain 17 brand new chapters (highlighted in yellow below), culminating in an 2000 page, two-volume textbook reflecting the most current advances in endourology. Over 100 high-quality surgical videos on the companion website will show the experts in action performing endourology, with all 1200 images fully downloadable for use in scientific presentations. With all chapters thoroughly revised with the latest society guidelines, clinical and technological developments, and authored by world-renowned authors with unrivalled expertise in the field, Smith’s Textbook of Endourology 4th Edition is the essential reference book for all urologists, particularly those who regularly perform endourology in their daily practice.

About the Authors

Editor in Chief: Arthur D Smith, MD, Chief Emeritus, Arthur Smith Institute of Urology, Long Island Jewish Health System, NY. Smith’s name and the field of Endourology are synonymous.

Glenn Preminger, Professor of Urology, Duke University Medical Center, NC

Gopal Badlani, Professor of Urology, Wake Forest University Baptist Medical Center, NC

Louis Kavoussi, Chairman of Urology, Arthur Smith Institute of Urology, Long Island Jewish Health System, NY
Understanding Medical Education
3rd Edition
Tim Swanwick, Kirsty Forrest & Bridget C. O’Brien

Created on behalf of the Association for the Study of Medical Education (ASME), this completely revised and updated new edition of Understanding Medical Education synthesises the latest knowledge, evidence and best practice across the continuum of medical education. Written and edited by an international team, this latest edition continues to cover a wide range of subject matter within five broad areas — Foundations, Teaching and Learning, Assessment and Selection, Research and Evaluation, Faculty and Learners — as well as featuring a wealth of new material including new chapters on the science of learning, knowledge synthesis, and learner support and well-being. The third edition of Understanding Medical Education:

- Provides a comprehensive and authoritative resource summarising the theoretical and academic bases to modern medical education practice
- Meets the needs of all newcomers to medical education whether undergraduate or postgraduate, including those studying at certificate, diploma or masters level
- Offers a global perspective on medical education from leading experts from across the world
- Providing practical guidance and exploring medical education in all its diversity, Understanding Medical Education continues to be an essential resource for both established educators and all those new to the field.

About the Authors


Kirsty Forrest, Dean of Medicine, Faculty of Health Sciences and Medicine, Bond University, Gold Coast, Australia.

Bridget C. O’Brien, Associate Professor, Department of Medicine, Education Researcher, Center for Faculty Educators, School of Medicine, University of California, San Francisco, California, USA.
Critical Care Obstetrics
6th Edition
Jeffrey P. Phelan, Luis D. Pacheco, Michael R. Foley, George R. Saade, Gary A. Dildy III & Michael A. Belfort

Previous EditionsLicensed in Simplified Chinese

A new edition of the proven guide to providing emergency care for mothers-to-be in acute medical distress

Now in its sixth edition, Critical Care Obstetrics offers an authoritative guide to what might go seriously wrong with a pregnancy and delivery and explains how to manage grave complications. Written by an international panel of experts, this updated and revised edition contains the most recent advances in the field as well as recommendations for treating common complications such as bleeding, thrombosis, trauma, acute infection, airway problems and drug reactions in a pregnant patient. This important guide offers the information needed to enable the early-on recognition of life-threatening conditions and the use of immediate life-saving treatments in emergency situations. The techniques and procedures outlined help to maximise the survival prospects of both the mother and fetus. The authors offer an accessible text for any healthcare professional responsible for the care and management of pregnant women and their unborn children.

About the Authors

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Gary A. Dildy III MD, Professor of Obstetrics & Gynecology, Baylor College of Medicine, TX, USA.

Michael A. Belfort MD, PhD, Professor, Obstetrics and Gynecology, Division of Maternal Fetal Medicine, Baylor College of Medicine, TX, USA.
Dewhurst’s Textbook of Obstetrics & Gynaecology
9th Edition
Keith Edmonds, Christoph Lees & Tom Bourne

Previous Editions Licensed in Portuguese

The revised and updated ninth edition of the essential textbook of obstetrics and gynaecology

This revised, classic textbook continues to provide the basic knowledge relevant to the practice of obstetrics and gynaecology. Comprehensive in scope, Dewhursts Textbook of Obstetrics s clinical practice. Written for both students and professionals, Dewhursts Textbook of Obstetrics s reproductive health. This revised edition follows the current career structure and progression of OBGYN trainees and covers all the topics required for MRCOG qualification. This important textbook:

- Covers the basics of both obstetrics and gynaecology
- Includes recent breakthroughs and developments in the practice
- Reviews all phases of pregnancy from preconception to postnatal care
- Offers information on maternal and foetal medications
- Presents the basics on menstruation and infertility
- Contains information on gynaecologic oncology
- Offers new chapters on maternal infection and psychiatric problems in pregnancy
- The ninth edition of the internationally acclaimed text, provides up-to-date, clinically focused guidance for the successful practice of obstetrics and gynaecology.

About the Authors

D. Keith Edmonds, Adjunct Professor at Imperial College London, UK. He was Consultant Obstetrician and Gynaecologist at Queens Charlottes and Chelsea Hospital, London, UK.

Christoph Lees is Reader in Obstetrics and Fetal Medicine at Imperial College, London, UK.

Tom Bourne is Adjunct Professor at Imperial College London, UK.
MRI in Practice
5th Edition
Catherine Westbrook & John Talbot
Previous Editions Licensed in Greek, Japanese, Korean, Portuguese, and Russian

*MRI in Practice* continues to be the number one reference book and study guide for the registry review examination for MRI offered by the American Registry for Radiologic Technologists (ARRT). This latest edition offers in-depth chapters covering all core areas, including: basic principles, image weighting and contrast, spin and gradient echo pulse sequences, spatial encoding, k-space, protocol optimization, artefacts, instrumentation, and MRI safety. The leading MRI reference book and study guide. Now with a greater focus on the physics behind MRI. Offers, for the first time, equations and their explanations and scan tips. Brand new chapters on MRI equipment, vascular imaging and safety. Presented in full color, with additional illustrations and high-quality MRI images to aid understanding. Includes refined, updated and expanded content throughout, along with more learning tips and practical applications. Features a new glossary. *MRI in Practice* is an important text for radiographers, technologists, radiology residents, radiologists, and other students and professionals working within imaging, including medical physicists and nurses.

About the Authors

**Catherine Westbrook**, Senior Lecturer and Course Leader, Magnetic Resonance Imaging (MRI), Faculty of Medical Science, Anglia Ruskin University, Cambridge, UK.

**John Talbot**, Senior Lecturer in Magnetic Resonance Imaging (MRI), Research Methodology and Medical Education, Faculty of Medical Science, Anglia Ruskin University, Cambridge, UK.
Sleep Disorders in Neurology
A Practical Approach, 2nd Edition
Sebastiaan Overeem & Paul Reading

Previous Editions Licensed in Italian

The acclaimed guide to quickly and confidently diagnosing and treating sleep disorders in neurological disease — now with more algorithms and tables

The diagnosis and treatment of sleep disorders can be extremely challenging for physicians, especially when there is underlying neurological disease. In addition to the primary sleep disorders, there is a growing clinical interest in sleep disturbances associated with common neurological disorders such as Parkinson’s disease. This updated and expanded edition of the critically acclaimed *Sleep Disorders in Neurology: A Practical Approach* provides doctors with expert recommendations and clear guidance on identifying sleep disorders in patients suffering from neurological diseases and providing effective treatment plans. In creating this Second Edition doctors Overeem and Reading made every effort to further enhance the practical approach of the first edition by adding additional algorithms and tables to assist physicians in more rapid decision making. In addition, they expanded the content to include greater coverage of primary sleep disorders. Classification and diagnosis chapters have been revamped to follow the 3rd International Classification of Sleep Disorders.

- Offers physicians, with a practical approach to diagnosing and treating complex sleep disorders
- Draws on the expertise of neurologists who specialize in the disorders under discussion
- Features quick-access algorithms that help physicians rapidly diagnose and treat primary and secondary sleep disorders with confidence

About the Authors

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**Paul Reading**, MA, MB B Chir., PhD, FRCP is Consultant Neurologist in the Department of Neurology, James Cook University Hospital, Middlesbrough, UK and recent President of the British Sleep Society.
Clinical Guide to Gastroenterology
Yang Chen & Maxton Pitcher


Clinical Guide to Gastroenterology is an accessible, quick-reference resource that provides practical, evidence-based information on investigations, interventions and management of clinical gastroenterological scenarios. It is packed full with bullet points, diagrams, tables, and algorithms of the important presentations and conditions within Clinical Gastroenterology. Divided into sections, the book offers in-depth coverage of presenting complaints in Gastroenterology, common conditions broken down by organ system, important investigations and procedures, and pharmacology. Detail is given to the sequence of clinical examination, investigations and management required to diagnose and treat a wide range of gastroenterological disorders.

Data Monitoring in Clinical Trials, 2nd Edition
A Practical Perspective
Susan S. Ellenberg, Thomas R. Fleming & David L. DeMets


Data Monitoring in Clinical Trial: A Practical Perspective is the expanded second edition of the widely used and well-reviewed first book, published in 2002. It provides an authoritative and updated guide to data monitoring committees, their establishment, purpose and responsibilities.

• Provides directly applicable advice for those managing and conducting clinical trials, and those serving on data monitoring committees.
• Gives insight into clinical data monitoring to those sitting on regulatory and ethical committees.
• Discusses issues pertinent to those working in clinical trials in both the US and Europe.

Endovascular Therapies
Jose Wiley, Peter Faries, Ian Del Conde & George D. Dangas

ISBN: 978-1-119-28349-2 • Dec 2018 • 320pp

Edited by a multidisciplinary editor team, Endovascular Interventions familiarizes the practicing vascular and endovascular specialist (vascular surgeon, interventional cardiologist, interventional radiologist, endovascular neurologist, vascular medicine specialist) with the most common and accepted approach of endovascular management of peripheral vascular disease. The content also addresses urgent interventions in the acute setting of the various vascular beds, and covers new and emerging area such as stroke intervention and endovascular treatment of pulmonary embolism and vascular trauma.

Epigenetic Targets in Drug Discovery
Wolfgang Sippl, Manfred Jung, Raimund Mannhold, Helmut Buschmann & Jorg Holenz

Series: Methods and Principles in Medicinal Chemistry • ISBN: 978-3-527-34314-0 • Nov 2018 • 416pp

This broad view of epigenetic approaches in drug discovery combines methods and strategies with individual targets, including new and largely unexplored ones such as sirtuins and methyl-lysine reader proteins. Presented in three parts – Introduction to Epigenetics, General Aspects and Methodologies, and Epigenetic Target Classes – it covers everything any drug researcher would need in order to know about targeting epigenetic mechanisms of disease. Epigenetic Drug Discovery is an important resource for medicinal chemists, pharmaceutical researchers, biochemists, molecular biologists, and molecular geneticists.
Evidence-based Obstetrics and Gynecology
Errol R. Norwitz, David A. Miller, Carolyn M. Zelop & David Keefe
Series: Evidence-Based Medicine • ISBN: 978-1-4443-3433-3 • Dec 2018 • 600pp
The most comprehensive evidence-based guide to both obstetrics and gynecology. Aimed at practicing obstetricians, gynecologists, and trainees in the specialty, *Evidence-based Obstetrics and Gynecology* concentrates on the clinical practice areas of diagnosis, investigation and management. The first section of the book discusses evidence-based medicine methodology in the context of the two specialties. The second and third sections cover all the major conditions in obstetrics and gynecology, with each chapter reviewing the best available evidence for management of the particular condition. The chapters are structured in line with EBM methodology, meaning the cases generate the relevant clinical questions.

Handbook of Sports Medicine and Science, Canoeing
Don McKenzie & Bo Berglund
A new volume in the *Handbook of Sports Medicine and Science* series from the International Olympic Committee, this volume Canoeing provides an accessible and comprehensive summary of the topic.
- Provides a concise, authoritative overview of the science, medicine and psycho-social aspects of canoeing
- Offers guidance on medical aspects unique to the training and coaching of canoe athletes
- The only book on this subject endorsed by the Medical Commission of the International Olympic Committee (IOC) and the International Canoe Federation (ICF)
- Written and edited by global thought leaders in sports medicine

In Vivo NMR Spectroscopy, 3rd Edition
Principles and Techniques
Robin A. de Graaf
Presents basic concepts, experimental methodology and data acquisition, and processing standards of in vivo NMR spectroscopy
This book covers, in detail, the technical and biophysical aspects of in vivo NMR techniques and includes novel developments in the field such as hyperpolarized NMR, dynamic 13C NMR, automated shimming, and parallel acquisitions. Most of the techniques are described from an educational point of view, yet it still retains the practical aspects appreciated by experimental NMR spectroscopists. In addition, each chapter concludes with a number of exercises designed to review, and often extend, the presented NMR principles and techniques.

Inherited Bleeding Disorders in Women, 2nd Edition
Rezan Kadir, Paula James & Christine Lee
The essential guide for understanding and treating women with inherited bleeding disorders, revised and updated
Now in its second edition, *Inherited Bleeding Disorders in Women* includes the most recent developments and research in the field. This important guide offers the most current information available for the effective management of these complex and difficult to diagnose disorders. Treating women with inherited bleeding disorders can be challenging and requires close collaboration among practitioners in different specialties. This important guide is written by a team of international experts who offer advice and practical suggestions for treating women with inherited bleeding disorders.
Innovative Research in Life Sciences
Pathways to Scientific Impact, Public Health Improvement, and Economic Progress
E. Andrew Balas
ISBN: 978-1-119-22586-7 • Dec 2018 • 448pp

Focuses on the widely neglected but fundamental research phase from design to discovery, prior to innovation disclosure
- Explains the how and why of, and what steps can be taken to improve, innovation
- Analyzes research and innovation productivity and offers potential solutions to improve them, including generous bibliographic lists to substantiate conclusions and recommendations.
- Stresses a large variety of statistical databases and a vast number of stories about individual discoveries
- Processes published studies and national statistics of biomedical research, reviewing the performance of research labs and academic institutions.

Midwifery at a Glance
Eleanor Forrest
Series: At a Glance (Nursing and Healthcare) • ISBN: 978-1-118-87445-5 • Dec 2018 • 216pp

Midwifery at a Glance offers an easy-to-read yet comprehensive overview of everything a midwifery student needs to know, from conception to care of the newborn. This practical guide provides coverage of normal pregnancy, maternal and foetal physiology, and pre-existing medical conditions and how these affect pregnancy and birth. It also features vital information on the role of the midwife, evidence-based practice, health promotion education, and perinatal mental health, as well as neonatal care and an overview of emergency situations.

The Wiley Handbook on Offenders with Intellectual and Developmental Disabilities
Research, Training and Practice
William R. Lindsay & John L. Taylor

The essential resource to the most recent research and practice on offenders with intellectual and developmental disabilities

The Wiley Handbook on Offenders with Intellectual and Developmental Disabilities is a comprehensive compendium to the research and evidence supporting clinical work with people with intellectual and developmental disabilities who offend or are at risk of offending. With contributions from an international panel of experts, the text reviews the most recent developments in the assessment, treatment and management of various types of offenders with intellectual disabilities including violent offenders, sexual offenders and firesetters.

ABC of Orthopaedics and Trauma
Kapil Sugand & Chinmay M. Gupte

Fully illustrated throughout with a wide range of scans, images and line drawings, ABC of Orthopaedics and Trauma provides practical guidance on the diagnosis, treatment and management of orthopaedic conditions, and assists with the initial assessment based on common presentations. Written by a team of renowned expert orthopaedic surgeons and rheumatologists, it includes coverage of the current national guidelines from NICE and professional bodies. Twenty-four chapters cover all the major areas of this vast specialty using a digestible and reader-friendly approach, including sections on fractures, joint replacements, rheumatological disorders, osteoarthritis, emergencies, and post-operative care. Introduction to specialist topics like metabolic bone disease, peripheral nerve injury, paediatric orthopaedics and tumours are also featured.
The Royal Marsden Manual of Cancer Nursing Procedures
Lisa Dougherty, Sara Lister & Louise McNamara

The Royal Marsden is the world's first hospital dedicated to cancer diagnosis, treatment, research and education — a centre of excellence with an international reputation for ground-breaking research and pioneering the very latest in cancer treatments and technologies, as well as specialising in cancer diagnosis and education. This companion volume to the internationally successful *The Royal Marsden Manual of Clinical Nursing Procedures* is designed to support practitioners who work specifically with oncology patients by providing detailed evidence-based procedures and rationale, and problem-solving guidance on all aspects of oncology nursing. *The Royal Marsden Manual of Cancer Nursing Procedures* is organized and structured to represent the needs of the patient along their care pathway:

- Provides the latest evidence underpinning all procedures
- Includes information on haematological procedures; pain assessment and management; wound care; oncological emergencies; and end-of-life care
- Gives detailed guidelines on supporting patients living with cancer with practical information on such things as benefits, exercise and nutrition.

*The Royal Marsden Manual of Cancer Nursing Procedures* is an invaluable, definitive resource for all those involved in the provision of cancer care and support to patients and their families.

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Fundamentals of Children’s Applied Pathophysiology
An Essential Guide for Nursing and Healthcare Students
Ian Peate & Elizabeth Gormley-Fleming


Fundamentals of Children’s Applied Pathophysiology introduces nursing and healthcare students to the pathophysiology of the child, and offers an applied full-colour visual approach throughout. Explaining the anatomy of the human body, and the effects of disease or illness on normal physiology, it enables the reader to develop the understanding, knowledge, and skills required to know how to respond and provide safe and effective high-quality care to children and their families.

Physical Assessment for Nurses and Health Care Professionals
Carol L. Cox


Physical Assessment for Health Care Professionals offers a practical and comprehensive guide to best clinical practice when taking patient history and physical examination. This accessible text is structured in accordance with the competencies for advanced practice in assessment, diagnosis and treatment as published by the RCN. Following a systematic, systems-based approach to patient assessment, it includes a summary of the key clinical skills needed to develop and improve clinical examination in order to confidently assess, diagnose, plan and provide outstanding care. In this revised edition, colour photographs and case studies have been included to assist health care practitioners in their assessment of the patient.
Guide to Canine and Feline Electrocardiography
Ruth Willis, Pedro Oliveira & Antonia Mavropoulou

*Guide to Canine and Feline Electrocardiography* offers a comprehensive and readable guide to the diagnosis and treatment of abnormal heart rhythms in cats and dogs.

- Covers all aspects of electrocardiography, from basics to advanced concepts of interest to specialists
- Explains how to obtain high-quality electrocardiograms
- Offers expert insight and guidance on the diagnosis and treatment of simple and complex arrhythmias alike
- Features numerous case examples, with electrocardiograms and Holter monitor recordings
- Shows the characteristics of normal and abnormal heart rhythms in dogs and cats
- Includes access to a website with self-assessment questions and the appendices and figures from the book

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Textbook of Small Animal Emergency Medicine
Kenneth J. Drobatz, Kate Hopper, Elizabeth A. Rozanski & Deborah Silverstein

Textbook of Small Animal Emergency Medicine offers an in-depth understanding of emergency disease processes and the underlying rationale for the diagnosis, treatment, monitoring, and prognosis for these conditions in small animals.

- A comprehensive reference on a major topic in veterinary medicine
- The only book in this discipline to cover the pathophysiology of disease in depth
- Edited by four respected experts in veterinary emergency medicine
- A core text for those studying for specialty examinations
- Includes access to a website with video clips, additional figures, and the figures from the book in PowerPoint
- Textbook of Small Animal Emergency Medicine offers an in-depth understanding of emergency disease processes and the underlying rationale for the diagnosis, treatment, monitoring, and prognosis for these conditions in small animals.

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**Diseases of Swine**
**11th Edition**

Jeffrey J. Zimmerman, Locke A. Karriker, Alejandro Ramirez, Kent J. Schwartz, Gregory W. Stevenson & Jianqiang Zhang

Previous Editions Licensed in Czech, Simplified Chinese, Slovakian, and Spanish

**Provides a fully revised Eleventh Edition of the definitive reference to swine health and disease**

*Diseases of Swine* has been the definitive reference on swine health and disease for over 60 years. This new edition has been completely revised to include the latest information, developments, and research in the field. Now with full color images throughout, this comprehensive and authoritative resource has been redesigned for improved consistency and readability, with a reorganized format for more intuitive access to information. *Diseases of Swine* covers a wide range of essential topics on swine production, health, and management, with contributions from more than 100 of the foremost international experts in the field. This revised edition makes the information easy to find and includes expanded information on welfare and behavior. A key reference for anyone involved in the swine industry.

**About the Authors**

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Atlas of Dermatopathology Tumors and Cysts
Gunter Burg
ISBN: 978-1-119-37154-0 • Oct 2018 • 384pp

This essential guide offers trainees and practicing dermatologists alike a reliable and easy-to-navigate reference tool for the accurate and expedient diagnosis of skin diseases. With its balanced consideration of both clinical and histopathological features, the book supports the straightforward, pattern-based identification of a wide range of disorders, and breaks diagnostic criteria down into accessible, bite-sized pointers. 250 high-quality images complement the text to wonderful effect, and offer invaluable points of comparison for anyone working in the field of dermatology today.

Companion Animal Care and Welfare
The UFAW Companion Animal Handbook
James Yeates

Companion Animal Care and Welfare: The UFAW Companion Animal Handbook presents a comprehensive, accessible and practical reference for all parties seeking information about the proper care of companion animals.

- Identifies the needs of companion animals, explains how we know these needs, and gives scientifically-backed advice on how to meet these needs
- Promotes the most humane treatment and best possible care of our companion animals
- Addresses controversial issues such as selective breeding, companion animal showing, the keeping of exotic species, and the international pet trade

Exotic Animal Laboratory Diagnosis
J. Jill Heatley & Karen E. Russell
ISBN: 9780-470-96035-6 • Nov 2018 • 664pp

Exotic Animal Laboratory Diagnosis is a practical, user-friendly guide to diagnostic testing in a wide range of exotic species.

- Offers complete information on obtaining samples, performing tests, and interpreting laboratory results in exotic animals
- Presents information on each species using a similar format for easy access
- Emphasizes details on clinical biochemistries, urinalysis, and common laboratory diagnostic tests not found in other resources
- Draws together information on selecting, performing, and using diagnostic tests into a single easy-to-use resource
- Covers a wide range of species, including small mammals, primates, reptiles, aquatic animals, and wild, laboratory, and pet birds

Histologic Basis of Ocular Disease in Animals
Bruce Grahn, Robert Peiffer & Brian Wilcock
ISBN: 978-1-118-38877-8 • Oct 2018 • 496pp

Histologic Basis of Ocular Disease in Animals is a comprehensive reference covering pathology of the eye in a spectrum of animal species, including domestic animals, fish, birds, and laboratory animals.

- Offers a comprehensive resource on diseases and conditions of the eye and orbit in a wide range of species
- Covers domestic animals, fish, birds, and laboratory animals
- Presents more than 1200 high-quality images carefully selected to illustrate the ocular conditions covered
- Emphasizes unique pathological responses where necessary
Introduction to One Health
An Interdisciplinary Approach to Planetary Health
Sharon L. Deem, Kelly E. Lane-deGraaf & Elizabeth A. Rayhel
ISBN: 978-1-119-38286-7 • Jan 2019 • 304pp

Introduction to One Health: An Interdisciplinary Approach to Planetary Health offers an accessible, readable introduction to the burgeoning field of One Health.
- Provides a thorough introduction to the who, what, where, when, why, and how of One Health
- Presents an overview of the One Health movement viewed through the perspective of different disciplines
- Encompasses disease ecology, conservation, and veterinary and human medicine
- Includes interviews from persons across disciplines important for the success of One Health

Locking Plates in Veterinary Orthopedics
Matthew D. Barnhart & Karl C. Maritato

Locking Plates in Veterinary Orthopedics is a comprehensive and state-of-the-art guide to all aspects of using locking plates to treat orthopedic conditions in dogs, cats, and large animals.
- Offers a proven approach to using locking plates in veterinary practice
- Highlights practical clinical applications with illustrative clinical cases
- Includes information on the history, principles, and materials as well as specific techniques
- Presents data on both traumatic and non-traumatic applications
- Provides instructive color photographs to demonstrate the procedures

Medical Mathematics and Dosage Calculations for Veterinary Technicians, 3rd Edition
Robert Bill
Previous Editions Licensed 1E sold to Portuguese

This user-friendly guide to medical mathematics helps veterinary technician students develop the math skills required before going into the practice setting.
- New workbook format allows readers to practice problems right inside the book
- Covers math fundamentals, metric and non-metric conversions, dosing and concentration, IV drug infusion, prescriptions, and doctors’ orders
- Offers step-by-step instructions for performing calculations
- Newly expanded to include calculation of constant rate infusions, dilutions, compounding, and anesthesia applications
- Features a full answer key and images from the book in PowerPoint for instructors on a companion website

Treatment of Cerebral Palsy and Motor Delay, 6th Edition
Sophie Levitt & Anne Addison

Treatment of Cerebral Palsy and Motor Delay is a highly practical, easy-to-read resource for all paediatric practitioners and students working with the developmental abilities and difficulties of children, providing a thorough overview of cerebral palsy and its treatment. The sixth edition has been thoroughly revised and updated to integrate the latest evidence-base on motor control and motor learning, whilst still retaining Sophie Levitt’s eclectic, holistic and functional approach. It includes greater detail on paediatric occupational therapy, classification systems, the latest systematic reviews of research, as well as an expanded chapter on adolescents and adults with cerebral palsy.
Veterinary Anesthetic and Monitoring Equipment
Kristen G. Cooley & Rebecca A. Johnson
ISBN: 978-1-119-27715-6 • Oct 2018 • 552pp

Veterinary Anesthetic and Monitoring Equipment is the first veterinary-specific resource solely dedicated to anesthetic and monitoring equipment used in clinical practice.

- Offers a practical guide to anesthetic and monitoring equipment commonly used in veterinary medicine
- Provides clinically oriented guidance to troubleshooting problems that may occur
- Discusses general principles applicable to any equipment found in the practice
- Presents information associated with novel anesthetic equipment and monitors

Wiggs's Veterinary Dentistry
Principles and Practice
Heidi B. Lobprise & J. R. (Bert) Dodd


- Provides current, comprehensive information on veterinary dentistry
- Encompasses rudimentary tenets of the field as well as advanced techniques
- Presents the state-of-the-art in veterinary dentistry, with all topics fully updated, revised, and expanded to reflect current knowledge
- Written by leading veterinary dental specialists and edited by luminaries in the field
- Includes more images and color throughout to support the text
Social Sciences, Humanities & Teacher Education
Who You Know
Unlocking Innovations That Expand Students’ Networks
Julia Freeland Fisher, Daniel Fisher & Clayton M. Christensen

Improve student outcomes with a new approach to relationships and networks

Relationships matter. Who You Know explores this simple idea to give teachers and school administrators a fresh perspective on how to break the pattern of inequality in American classrooms. It reveals how schools can invest in the power of relationships to increase social mobility for their students. Discussions about inequality often focus on achievement gaps. But opportunity is about more than just test scores. Opportunity gaps are a function of not just what students know, but who they know.

About the Author

Julia Freeland Fisher is the director of education research at the Clayton Christensen Institute. She leads a team that educates policymakers and community leaders on the power of disruptive innovation in the K-12 and higher education spheres through its research. Her team aims to transform monolithic, factory-model education systems into student-centered designs that educate every student successfully and enable each to realize his or her fullest potential.

Julia has published and spoken extensively on trends in the EdTech market, blended learning, competency-based education, and the future of schools. Julia’s writing has appeared in outlets including CNN.com, Education Next, Forbes, entrepreneur.com, District Administrator, Education Dive, the Chicago Sun-Times, and the New Hampshire Union Leader.

Prior to joining the Institute, Julia worked at NewSchools Venture Fund, a venture philanthropy organization that supports education entrepreneurs who are transforming public education. She also served as an instructor in the Yale College Seminar Program. Julia holds a bachelor’s degree in Comparative Literature from Princeton University and a JD from Yale Law School.
American Military History
A Document Reader
Brad D. Lookingbill
ISBN: 978-1-119-33598-6 • 978-1-4051-9051-0 • Nov 2018 • 400pp

The writings offer insight into the armed forces in relation to the social, cultural, economic, political, and territorial development of the United States. Several documents comment on strategic initiatives, combat operations, force structure, public policy, and home fronts. The writings also present firsthand testimony of extraordinary men and women in uniform and most of the documents explore the connections between combatants and the societies that produced them.

Archaic Greece
Brian Lavelle
ISBN: 978-1-4051-9860-8 • Nov 2018 • 280pp

An introductory guide to the Archaic period in ancient Greece — the people, their society, and their culture. Excerpts from literary and other texts give voice to the interests, concerns, and emotions of the Archaic Greeks themselves. Archaic Greece: The Age of New Reckonings begins with a chapter on how sources for the period are evaluated and deployed, and goes on to offer a concise yet thorough historical overview of the Archaic period. Subsequent chapters cover polis and politics; war and violence; religion; science; philosophy; art; literature; festivals and games; social forces, values, and behaviors; and gender and sex.
Shakespeare’s Theatre
A History
Richard Dutton

Author’s Previous Titles Licensed in Simplified Chinese

The text journeys from the performing spaces of the provincial inns, guild halls and houses of the gentry of the Bards early career, to the purpose-built outdoor playhouses of London, including the Globe, the Theatre, and the Curtain, and the royal courts of Elizabeth and James I. The author also discusses the players for whom Shakespeare wrote, and the positioning — or dispositioning — of audience members in relation to the stage. Widely and deeply researched, this fascinating volume is the first to draw on the most recent archaeological work on the remains of the Rose and the Globe, as well as continuing publications from the Records of Early English Drama project. The book also explores the contentious view that the plot of The Seven Deadly Sins (part II), provides unprecedented insight into the working practices of Shakespeares company and includes a complete and modernized version of the plot. Throughout, the author relates the practicalities of early modern playing to the evolving systems of aristocratic patronage and royal licensing within which they developed. Insightful and engaging, Shakespeare’s Theatre is ideal reading for undergraduates, postgraduates, and scholars of literature and theatre studies.

About the Author

Richard Dutton is Professor of English at Queen's University, Belfast, and Humanities Distinguished Professor of English (Emeritus) at Ohio State University. His books include, Shakespeare, Court Dramatist (2016) and Ben Jonson, ‘Volpone’ and the Gunpowder Plot (2008). He is co-editor of the four volume Companion to Shakespeare’s Works (with Jean E. Howard, Wiley Blackwell, 2003).
Studying Early Printed Books, 1450-1800
A Practical Guide
Sarah Werner
ISBN: 978-1-119-04997-5 • Sep 2018 • 216pp

The author offers an insightful overview of how books were made in the hand-press period and then includes an in-depth review of the specific aspects of the printing process. She addresses questions such as: How was paper made? What were different book formats? How did the press work? In addition, the text is filled with illustrative examples that demonstrate how understanding the early processes can be helpful to today’s researchers. Studying Early Printed Books shows the connections between the material form of a book (what it looks like and how it was made), how a book conveys its meaning and how it is used by readers.

Thinking About Shakespeare
Kay Stockholder
ISBN: 978-1-119-05900-4 • Sep 2018 • 248pp

In addressing all genres in the Shakespeare canon, the authors explore the possibility of people being constant to each other in many different kinds of relationships: those of lovers, kings and subjects, friends, and business partners. While some bonds are irrevocably broken, many are reaffirmed. In all cases, the authors offer insight into what drives Shakespeares characters to do what they do, what draws them together or pulls them apart, and the extent to which bonds can ever be eternal. Ultimately, the most durable bond may be between the playwright and the audience, whereby the playwright pleases and the audience approves.
Introduction to Digital Media
Adam Arvidsson & Alessandro Delfanti

Touching on the core points behind the discipline, the book addresses a wide range of topics, including media economics, online cooperation, open source, social media, software production, globalization, brands, marketing, the cultural industry, labor, and consumption. Presented in six sections — Media and Digital Technologies; The Information Society; Cultures and Identities; Digital Collaboration; Public Sphere and Power; Digital Economies — the book offers in-depth chapter coverage of new and old media; network infrastructure; networked economy and globalization; the history of information technologies; the evolution of networks; sociality and digital media; media and identity; collaborative media; open source and innovation; politics and democracy; social movements; surveillance and control; digital capitalism; global inequalities and development; and more. Delivers a reliable, compact and quick introduction to the core issues analyzed by digital culture studies and sociology of information societies interweaves main topics and theories with several examples and up-to-date case studies, often linked to our everyday lives on the internet, as well as suggestions for further readings Anchors examples to discussions of the main sociological, political, and anthropological theoretical approaches at stake to help students make sense of the changes brought about by digital media Uses critical sociological and political theory alongside every day examples to discuss concepts such as online sociality, digital labor, digital value creation, and the reputation economy Clear and concise throughout, Introduction to Digital Media is an excellent primer for those teaching and studying digital culture and media.

About the Authors
Alessandro Delfanti, PhD, is Assistant Professor in the Institute of Communication, Culture, Information and Technology at the University of Toronto, where he teaches courses on digital culture, labor, and journalism.

Adam Arvidsson, PhD, is Professor of Sociology at the University of Naples, Federico II, where he teaches courses on digital media and the information economy.
The Strategic Digital Media Entrepreneur
Penelope M. Abernathy & JoAnn Sciarrino
ISBN: 978-1-119-21803-6 • Oct 2018 • 264pp

The media industry is facing epic upheaval. Revolutionary new technologies compel those in businesses as diverse as broadcasting to book publishing to radically recreate their business models or be left in history’s wake. Penelope Muse Abernathy and JoAnn Sciarrino provide timely lessons on everything from media financing to marketing, business strategy to leadership, innovation to business accounting. They use numerous case studies and real-world vignettes to reveal the success secrets of today’s hottest media entrepreneurs, as well as the fatal flaws that lead many promising new ventures down the road to ruin.

Aesthetics
The Classic Readings
David E. Cooper

Includes texts by canonical philosophers like Plato and Kant alongside essays from art critics like Clive Bell, with new readings from Leonardo da Vinci, Oscar Wilde, Walter Pater, Ronald W. Hepburn, and Arthur C. Danto among others

- Broadens the scope of aesthetics beyond the Western tradition, including important texts by Asian philosophers from Mo Tzu to Tanizaki
- Includes an introduction to aesthetics written by the editor as well as prefaces to each text and detailed lists of further reading
- Topics discussed range from the nature of beauty and the criteria of aesthetic judgement to the value of art and appreciation of nature
Political Theory Without Borders
Robert E. Goodin & James S. Fishkin

- Focuses on specific questions that arise from issues of global spillovers like climate change and pollution, international immigration, and political intervention abroad
- Includes chapters written by some of the best new scholars working in the field today, along with key texts from some of the most well-known scholars of previous generations
- Illustrates how the classics concerns of political theory — justice and equality, liberty and oppression — have re-emerged with renewed significance at the global level
- The newest volume in the distinguished philosophy, politics & society series, initiated by Peter Laslett in 1956

About the Authors

Robert E. Goodin is Distinguished Professor of Philosophy and Social and Political Theory at Australian National University and a Corresponding Fellow of the British Academy. The Founding Editor of The Journal of Political Philosophy, Dr. Goodin has published many books, including most recently Explaining Norms (2013 with G. Brennan, L. Eriksson and N Southwood), On Complicity and Compromise (2013 with C. Lepora), and On Settling (2012). His book Discretionary Time: A New Measure of Freedom (2008 with J.M. Rice, A. Parpo and L. Eriksson) was awarded the International Social Science Council’s Stein Rokkan Prize for Comparative Social Science Research.

James S. Fishkin holds the Janet M. Peck Chair in International Communication at Stanford University where he is Professor of Communication and Political Science (by courtesy) and Director of Stanford’s Center for Deliberative Democracy. He is the author of a number of books, including When the People Speak: Deliberative Democracy and Public Consultation (2011), The Voice of the People: Public Opinion and Democracy (1995), and Democracy and Deliberation: New Directions for Democratic Reform (1991). A Fellow of the American Academy of Arts and Science, he has co-edited the Philosophy, Politics and Society Series since 1979.
Connecting Virtues
Advances in Ethics, Epistemology, and Political Philosophy
Michel Croce & Maria Silvia Vaccarezza


- Includes groundbreaking chapters offering cutting-edge research on the topic of the virtues
- Provides insights into the application of the topic of virtue, such as the role of intellectual virtues, virtuous dispositions, and the value of some neglected virtues for political philosophy
- Examines the relevance of the virtues in the current debates in social epistemology, the epistemology of education, and civic education
- Features work from world-leading and internationally recognized philosophers working on the virtues today

Political Psychology
A Social Psychological Approach
Christopher J. Hewer & Evanthia Lyons

Series: BPS Textbooks in Psychology • ISBN: 978-1-118-98239-6 • Oct 2018 • 368pp

Author's Previous Titles Licensed in Croatian, Danish, Dutch, Finish, Japanese, Korean, Portuguese, and Turkish

The text puts the emphasis on alternative approaches to psychological enquiry that challenge our traditional assumptions about the world. With contributions from an international panel of experts, the text contains a meaningful exchange of ideas that draw on the disciplines of social psychology, sociology, history, media studies and philosophy. This important text offers a broader understanding of the different intellectual positions that academics may take towards political psychology. Comprehensive in scope Political Psychology provides a historical context to the subject and offers a critical history of common research methods.
This book updates the previous review of research on children’s testimony — reexamining and readdressing how the quality of information provided by young witnesses is affected by the way they are questioned. Drawing upon both experimental and field studies conducted in different countries, it summarizes evidence supporting the effectiveness of the National Institute for Child Health and Human Development (NICHD) Protocol and showcases the Protocol’s superiority over other current interviewing techniques for eliciting detailed and forensically useful content from child complainants. Written with both child protection professionals and researchers in mind, Tell Me What Happened: Structured Investigative Interviews of Child Victims and Witnesses offers advice and opinions drawn from actual investigative interviews as well as academic research. Its insightful chapters cover: children’s testimony; interview and questioning strategies; how investigators typically interview alleged victims; the NICHD Investigative Interview Protocols; the impact that following the Protocol has on interviews and children’s responses; interviewing victims under the age of six; interviewing children with developmental disabilities; using tools and props to complement the Protocol; training and maintaining good interviewing practices; and more.

About the Authors

Michael E. Lamb, PhD, is Professor of Psychology at the University of Cambridge.
Deirdre A. Brown, PhD, is Senior Lecturer in Psychology at the Victoria University of Wellington.
Irit Hershkowitz, PhD, is Professor of Social Work at the University of Haifa.
Yael Orbach, PhD, worked as a Staff Scientist and senior researcher in the Section on Social and Emotional Development of the National Institute of Child Health and Human Development.
Phillip W. Esplin has worked as a forensic psychologist based in Phoenix, AZ for more than 40 years.
Think Good, Feel Good, 2nd Edition
A Cognitive Behavioural Therapy Workbook for Children and Young People
Paul Stallard

Author’s Previous Titles Licensed in A Clinician’s Guide to Think Good-Feel Good [CRO; DAN; DUT; FIN(2); JAP; KOR; POR(2); TUR]
Previous Editions Licensed in Arabic, Danish, Dutch, Finnish, German, Greek, Icelandic, Italian, Japanese, Korean, Lithuanian, Orthodox Chinese, Polish, Portuguese, Simplified Chinese, Spanish, and Turkish

The previous edition of Think Good, Feel Good was an exciting, practical resource that pioneered the way mental health professionals approached Cognitive Behaviour Therapy with children and young people. This new edition continues the work started by clinical psychologist Paul Stallard, and provides a range of flexible and highly appealing materials that can be used to structure and facilitate work with young people. In addition to covering the core elements used in CBT programmes, it incorporates ideas from the third wave CBT therapies of mindfulness, compassion focused therapy and acceptance and commitment therapy. It also includes a practical series of exercises and worksheets that introduce concepts which can be applied to each unique set of problems. Developed by the author and used extensively in clinical practice, Think Good, Feel Good, Second Edition: A CBT Workbook for Children and Young People starts by introducing readers to the origin, basic theory, and rationale behind CBT and explains how the workbook should be used. Chapters cover techniques used in CBT; materials that can be applied in treatment; thinking traps; core beliefs; controlling feelings; changing behaviour; and more.

Think Good, Feel Good, Second Edition: A CBT Workbook for Children and Young People is a “must have” resource for clinical psychologists, child and adolescent psychiatrists, community psychiatric nurses, educational psychologists, and occupational therapists. It is also a valuable resource for those who work with young people including social workers, school nurses, practice counselors and health visitors.

About the Author
Paul Stallard is Professor of Child and Family Mental Health at the University of Bath and Head of Psychological Therapies (CAMHS) for Oxford Health NHS Foundation Trust. He has contributed to the development of CBT in many countries and has provided workshops for clinicians around the world.
Thinking Good, Feeling Better
A Cognitive Behavioural Therapy Workbook for Adolescents and Young Adults
Paul Stallard

Author’s Previous Titles Licensed in Croatian, Danish, Dutch, Finnish, Japanese, Korean, Portuguese, and Turkish

This book complements author Paul Stallard’s Think Good, Feel Good and provides a range of Cognitive Behaviour Therapy resources that can be used with adolescents and young adults. Building upon that book’s core strengths, it provides psycho-educational materials specifically designed for adolescents and young people. The materials, which have been used in the author’s clinical practice, can also be utilized in schools to help adolescents develop better cognitive, emotional and behavioural skills. Thinking Good, Feeling Better includes traditional CBT ideas and also draws on ideas from the third wave approaches of mindfulness, compassion focused therapy and acceptance and commitment therapy. It includes practical exercises and worksheets that can be used to introduce and develop the key concepts of CBT. The book starts by introducing readers to the origin, basic theory, and rationale behind CBT and explains how the workbook should be used. Chapters cover techniques used in CBT; the process of CBT; valuing oneself; learning to be kind to oneself; mindfulness; controlling feelings; thinking traps; solving problems; facing fears; and more. Thinking Good, Feeling Better: A CBT Workbook for Adolescents and Young Adults is a “must have” resource for clinical psychologists, adolescent and young adult psychiatrists, community psychiatric nurses, educational psychologists, and occupational therapists. It is also a valuable resource for those who work with adolescents and young adults including social workers, nurses, practice counselors, health visitors, teachers and special educational needs coordinators.

About the Author
Paul Stallard is Professor of Child and Family Mental Health at the University of Bath and Head of Psychological Therapies (CAMHS) for Oxford Health NHS Foundation Trust. He has contributed to the development of CBT in many countries and has provided workshops for clinicians around the world.
Cognitive-Behavior Therapy, Mindfulness, and Hypnosis for Smoking Cessation
Joseph P. Green & Steven Jay Lynn

Cognitive-Behavior Therapy, Mindfulness, and Hypnosis for Smoking Cessation outlines a cost-effective program designed that helps smokers achieve their goal of life-long abstinence from smoking. The authors — noted experts in the field — developed their program, The Winning Edge, a proven treatment for tobacco addiction that uses cognitive-behavioral approaches to defeat smoking behaviors. This proven program is based on the premise that acceptance and mindfulness of the constantly changing stream of thoughts and emotions (rather than avoidance of anxiety arousing or painful experiences) are the keys to breaking the grip of smoking.

Environmental Psychology: An Introduction, 2nd Edition
Linda Steg & Judith I. M. de Groot
Previous Edition: 978-0-470-97638-8
Previous Editions Licensed in Arabic, Italian, Simplified Chinese and Turkish
Author’s Previous Editions Licensed in Arabic, Italian, Simplified Chinese and Turkish

The text examines the influence of the environment on human experiences, behaviour and well-being and explores the factors influencing environmental behaviour, and ways to encourage pro-environmental behaviour. The revised edition is a state-of-the-art review of relevant theories and research on each of these topics. With contributions from an international panel of noted experts, the text addresses a wealth of topics including the main research methods in environmental psychology; effects of environmental stress; emotional impacts and meanings of natural environment experience; aesthetic appraisals of architecture; how to measure environmental behaviour; cognitive, emotional and social factors explaining environmental behaviour; effects and acceptability of strategies to promote pro-environmental factors; and much more.

Microaggression Theory
Influence and Implications
Gina C. Torino, David P. Rivera, Christina M. Capodilupo, Kevin L. Nadal & Derald Wing Sue
ISBN: 978-1-119-42004-0 • Oct 2018 • 352pp

Microaggressions are brief, everyday exchanges that send denigrating messages to certain individuals because of their group membership (e.g., race, gender, culture, religion, social class, sexual orientation, etc.). These daily, common manifestations of aggression leave many people feeling vulnerable, targeted, angry, and afraid. How has this become such a pervasive part of our social and political rhetoric, and what is the psychology behind it? It delves into how the often invisible nature of this phenomenon prevents perpetrators from realizing and confronting their own complicity in creating psychological dilemmas for marginalized groups, and discusses how prejudice, privilege, safe spaces, and cultural appropriation have become themes in our contentious social and political discourse.

The Clinical Handbook of Mindfulness-integrated Cognitive Behavior Therapy
A Step-by-Step Guide for Therapists
Bruno A. Cayoun, Sarah E. Francis & Alice Shires

The increasing popularity of Mindfulness-integrated Cognitive Behavior Therapy (MiCBT) is principally attributed to its transdiagnostic applications. It offers novel tools that address a broad range of psychological disorders both acute and chronic, including those with complex comorbidities, and helps prevent relapse. The authoritative guide to this unique approach includes:

• A clear explanation of MiCBT’s origins and development, structure and content, scientific underpinnings and supporting empirical evidence
• A comprehensive guide to the 10-session MiCBT program for groups and individual clients that includes worksheets and handouts for each session and suggestions to overcome common difficulties
Greek and Roman Religions
Rebecca I. Denova

Series: Blackwell Ancient Religions • ISBN: 978-1-118-54290-3 • Dec 2018 • 348pp

The author — a noted expert in the field — explores the presence of divinity in all aspects of ancient life and highlights the origins of myth, religious authority, institutions, beliefs, rituals, sacred texts, and ethics. Comprehensive in scope, the text focuses on myriad aspects that constitute Greco-Roman culture such as economic class, honor and shame, and slavery as well as the religious role of each member of the family. The integration of ethnic and community identity with divine elements are highlighted in descriptions of religious festivals.

The Wiley Handbook of Christianity and Education
William Jeynes


It offers a historical understanding of these two intertwined subjects with a view to creating a context for the myriad issues that characterize — and challenge — the relationship between Christianity and education today. Presented in three parts, the book starts with thought-provoking essays covering major issues in Christian education such as the movement away from God in American education; the Christian paradigm based on love and character vs. academic industrial models of American education; why religion is good for society, offenders, and prisons; the resurgence of vocational exploration and its integrative potential for higher education; and more.
Aquaculture, 3rd Edition
Farming Aquatic Animals and Plants
John S. Lucas & Paul C. Southgate

This new edition of Aquaculture: Farming Aquatic Animals and Plants covers important aspects of the culture of fish, shellfish, and algae in freshwater and marine environments. This edition also provides greater coverage of aquaculture in China, reflecting the country’s importance in the global scene. Providing core scientific and commercially useful information, and written by 35 eminent international authors, this expanded and fully updated Third Edition of Aquaculture is essential reading for all students and professionals studying and working in aquaculture. Fish farmers, hatchery managers, and those in aquaculture support and supply industries.

Atlantic Cod
Bio-ecology of the Fish
George Rose
ISBN: 978-1-4051-1910-8 • Jan 2019 • 424pp

A comprehensive handbook, covering all aspects of the Atlantic cod including the biology, ecology, life histories, behaviour, commercial exploitation and conservation. This book, written by world experts, describes that research and management, and the importance of cod and its fisheries on North Atlantic cultures and economies, with impacts well beyond the range of the species. Atlantic Cod: Bio-ecology of the Fish is a vital book for all fisheries scientists, managers and fish biologists.

Sex Control in Aquaculture
Hanping Wang, Francesc Piferrer & Songlin Chen
ISBN: 978-1-119-12726-0 • Oct 2018 • 920pp

A comprehensive resource that covers all the aspects of sex control in aquaculture written by internationally-acclaimed scientists. Comprehensive in scope, Sex Control in Aquaculture first explains the concepts and rationale for sex control in aquaculture, which serves different purposes. With contributions from an international panel of leading scientists, Sex Control in Aquaculture will appeal to a large audience: aquaculture/fisheries professionals and students, scientists or biologists working with basic aspects of fish/shrimp biology, growth and reproductive endocrinology, genetics, molecular biology, evolutionary biology, and R&D managers and administrators.
Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 9th Edition

John P. Bilezikian

Previous Editions Licensed in Portuguese

Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 9th Edition is the comprehensive revision of the field-leading reference on bone and mineral health. The eighth edition has been fully revised by the leading researchers and clinicians in the field to provide concise coverage of the widest possible spectrum of metabolic bone diseases and disorders of mineral metabolism. Chapters look to explain basic biological factors of healthy development and disease states and make it easily translatable to clinical interventions. Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism is the definitive, one-stop reference for anyone working in the field of bone health and disease.

About the Author

John P. Bilezikian is the Dorothy L. and Daniel H. Silberberg Professor of Medicine and Professor of Pharmacology at the College of Physicians & Surgeons, Columbia University. He is Chief of the Division of Endocrinology and Director of the Metabolic Bone Diseases Program at Columbia University Medical Center.
**Apoposis and Beyond**
The Many Ways Cells Die, 2 Volume Set
James Radosevich

*ISBN: 978-1-119-43242-5 • Oct 2018 • 848pp*

These volumes teach readers to think beyond apoptosis and describes all of the known processes that cells can undergo which result in cell death. *Apoposis and Beyond: The Many Ways Cells Die* will appeal to students and researchers/clinicians in cell biology, molecular biology, oncology, and tumor biology.

**Clinical Reproductive Science**
Michael Carroll

*ISBN: 978-1-118-97595-4 • Aug 2018 • 432pp*

*The comprehensive and authoritative guide to clinical reproductive science*
The field of clinical reproductive science continues to evolve; this important resource offers the basics of reproductive biology as well as the most recent advance in clinical embryology. The author — a noted expert in the field — focuses on the discipline and covers all aspects of this field. *Clinical Reproductive Science* is a valuable reference written for professionals in academia, research and clinical professionals working in the field of reproductive science, clinical embryology and reproductive medicine.

**Proteomics for Biological Discovery, 2nd Edition**
Timothy D. Veenstra


Building on the strength of the original edition, *Proteomics for Biological Discovery* describes the state-of-the-art proteomic technologies and highlights novel applications of proteomic approaches in biomedical research. Written by leading experts in the field, the book will be an advanced resource for graduate students, postdoctoral fellows and scientists across all the major fields of biomedical science.
Human Impact on the Natural Environment, 8th Edition
Andrew S. Goudie

Previouse Editions Licensed in Korean and Orthodox Chinese

A brand new edition of the definitive textbook on humankinds impact on the Earth’s environment — now in full color.

This classic text explores the multitude of impacts that humans have had over time upon vegetation, animals, soils, water, landforms, and the atmosphere. It considers the ways in which climate changes and modifications in land cover may change the environment in coming decades. Extensively re-written, Human Impact on the Natural Environment, Eighth Edition contains many new and updated statistical tables, figures, and references. It offers enlightening chapters that look at the past and present state of the world — examining our impact on the land itself and the creatures that inhabit it; the oceans, lakes, rivers and streams; and the climate and atmosphere. The book also takes a deep look at our future impact on the planet and its resources — our affect on the coastal environments, the cryosphere and the drylands, as well as the hydrological and geomorphological impacts. Human Impact on the Natural Environment is essential reading for undergraduates in geography and environmental science, and for those who want a thorough, wide-ranging and balanced overview of the impacts of humans upon natural processes and systems from the Stone Age to the Anthropocene and who wish to understand the major environmental issues that concern the human race at the present time.

About the Author

Andrew S. Goudie is Emeritus Professor of Geography and former Master of St. Cross College, Oxford.
A revised introduction to aeolian geomorphology written by noted experts in the field

The new, revised and updated edition of Aeolian Geomorphology offers a concise and highly accessible introduction to the subject. The text covers the topics of deserts and coastlines, as well as periglacial and planetary landforms. The new edition includes contributions from eighteen experts from four continents. Written for students and professionals in the field, *Aeolian Geomorphology* provides a comprehensive introduction to the topic in twelve new chapters with contributions from noted experts in the field.

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Boron Proxies in Paleoceanography and Paleoclimatology
Barbel Hoenisch, Stephen M. Eggins, Laura L. Haynes, Katherine A. Allen, Katherine D. Holland & Katja Lorbacher

This book aims to be a primer for scientists who seek to apply boron proxies in marine carbonates to estimate past seawater carbonate chemistry and atmospheric pCO2. As more scientists embark on characterizing past ocean acidity and atmospheric pCO2, *Boron in Paleoceanography and Paleoclimatology* provides a resource to introduce geoscientists to the opportunities and complications of boron proxies, including potential avenues to further refine them.

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Dynamics of Particles and Rigid Bodies: A Self-Learning Approach
Mohammed F. Daqaq

*Dynamics of Particles and Rigid Bodies: A Self-Learning Approach*: Provides detailed, easy-to-understand explanations of concepts and mathematical derivations includes numerous flipped-classroom exercises carefully designed to help students comprehend the material covered without actually solving the problem for them. *Dynamics of Particles and Rigid Bodies: A Self-Learning Approach* is a godsend for students pursuing advanced engineering degrees who need to master this complex subject. It will also serve as a handy reference for professional engineers across an array of industrial domains.

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Environmental Considerations Associated with Hydraulic Fracturing Operations
James A. Jacobs & Stephen M. Testa

This book addresses the complex challenges of fracking by understanding issues relevant to their particular region, data collection and documentation. This book is designed to help land owners, community leaders, regulators, environmental professionals, among others, in balancing current scientific knowledge with the uncertainty and risks associated with what we know.
**Handbook of Natural Gas Analysis**  
James G. Speight  
ISBN: 978-1-119-24028-0 • Sep 2018 • 560pp  
*Handbook of Natural Gas Analysis* is a comprehensive guide that includes information on the origin and analysis of natural gas, the standard test methods, and procedures that help with the predictability of gas composition and behavior during gas cleaning operations and use. The author — a noted expert on the topic — has designed the text to help with the identification of quality criteria appropriate analysis and testing that fall under the umbrella of ASTM International.

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**Pharma-Ecology, 2nd Edition**  
The Occurrence and Fate of Pharmaceuticals and Personal Care Products in the Environment  
Patrick K. Jjemba  
The revised and updated second edition of *Pharma-Ecology* joins the health and environmental sciences professions’ concern over the occurrence and fate of pharmaceutical and personal care products (PPCPs) in the environment and explores how to best minimize their impact. The text highlights the biological effects of various classes of pharmaceutical compounds under clinical settings, their modes of action, and approximate quantities consumed. Written for ecologists, engineers, microbiologists, pharmacists, toxicologists, chemists, physicians, and veterinarians involved in pollution and environmental analysis.

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**Urban Pollution**  
Science and Management  
Susanne M. Charlesworth & Colin A. Booth  
Written by some of the top experts on the subject in the world, this book presents the diverse, complex and current themes of the urban pollution debate across the built environment, urban development and management continuum. The integration of physical and environmental sciences, combined with social, economic and political sciences and the use of case studies makes *Urban Pollution: Science and Management* an incredibly useful resource for policy experts, scientists, engineers and those interested in the subject.

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**Water and Sanitation-Related Diseases and the Environment, 2nd Edition**  
In the Age of Climate Change  
Janine M. H. Selendy  
ISBN: 978-1-119-41621-0 • Oct 2018 • 420pp  
The revised and updated second edition of *Water and Sanitation Related Diseases and the Changing Environment* offers an interdisciplinary guide to the conditions responsible for water and sanitation related diseases. The text includes contributions from authorities from the fields of climate change, epidemiology, environmental health, environmental engineering, global health, medicine, medical anthropology, nutrition, population, and public health. Written for students, and professionals in infectious disease, public health and medicine, chemical and environmental engineering, and international affairs.
Microbiology and Technology of Fermented Foods, 2nd Edition
Robert W. Hutkins

Series: Institute of Food Technologists Series • ISBN: 978-1-119-02744-7 • Oct 2018 • 568pp
Previous Edition: 978-0-8138-0018-9

With this second edition of Microbiology and Technology of Fermented Foods, Robert Hutkins brings fresh perspectives and updated content to his exhaustive and engaging text on food fermentations. Microbiology and Technology of Fermented Foods, Second Edition is a definitive reference tool that will be of great interest and use to industry professionals, academics, established or aspiring food scientists, and anyone else working with fermented foods.

Microstructure of Dairy Products
Mamdouh El-Bakry, Antoni Sanchez & Bhavbhuhi M. Mehta

ISBN: 978-1-118-96422-4 • Sep 2018 • 400pp

This comprehensive and timely text focuses on the microstructure analyses of dairy products as well as on detailed microstructural aspects of them, featuring contributions from a global team of experts. Microstructure of Dairy Products is an excellent resource for food scientists, technologists, and chemists — and physicists, rheologists, and microscopists — who deal in dairy products.

Modern Crop Protection Compounds
Peter Jeschke, Matthias Witschel, Wolfgang Krmer & Ulrich Schirmer

ISBN: 978-3-527-34089-7 • Nov 2018 • 1848pp • Previous Edition: 978-3-527-32965-6

This third edition presents the most important substance classes of modern agrochemicals, with one volume each for herbicides, fungicides, and insecticides. The international team of first-class authors from such renowned crop science companies as Bayer, Dow, Syngenta, and BASF A comprehensive and invaluable source of timely information for all of those working in modern biology, including genetics, biochemistry and chemistry, and for those in modern crop protection science, whether governmental authorities, researchers in agrochemical companies, scientists at universities, conservationists, or managers in organizations and companies involved in improvements to agricultural production.
Physical Sciences, Engineering & Construction

www.wiley.com
**Human Metabolism, 4th Edition**  
Keith N. Frayn & Rhys Evans  
ISBN: 978-1-119-33143-8 • Jan 2019 • 416pp  
**Author’s Previous Titles Licensed in Basque, Greek, Portuguese**  
**The updated bestselling guide to human metabolism and metabolic regulation**  
The revised and comprehensively updated new edition of *Human Metabolism* (formerly Metabolic Regulation — A Human Perspective) offers a current and integrated review of metabolism and metabolic regulation. The authors explain difficult concepts in clear and concise terms in order to provide an accessible and essential guide to the topic. This comprehensive text covers a wide range of topics such as energy balance, body weight regulation, exercise, and how the body copes with extreme situations, and illustrates how metabolic regulation allows the human body to adapt to many different conditions.

**Molecular Technology**  
Life Innovation  
Hisashi Yamamoto & Takashi Kato  
ISBN: 978-3-527-34162-7 • Oct 2018 • 384pp  
Edited by foremost leaders in chemical research together with a number of distinguished international authors, Volume 2 presents the most important and promising recent chemical developments in life sciences, neatly summarized in one book. Interdisciplinary and application-oriented, this ready reference focuses on methods and processes with a high practical aspect, covering new trends in drug delivery, in-vivo analysis, structure formation and much more. Of great interest to chemists and life scientists in academia and industry.

**Computed Tomography, 4th Edition**  
Fundamentals, System Technology, Image Quality, Applications  
Willi A. Kalender  
The book is intended for all those who work daily, regularly or even occasionally with CT — physicians, engineers, technicians and physicists, as well as students learning about CT. Written by one of the world’s leading experts, it offers a comprehensive description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT. It covers in detail all characteristic parameters relevant for image quality and all performance features significant for clinical application.

**Postharvest Biology and Nanotechnology of Fruits, Vegetables and Flowers**  
Gopinadhan Paliyath  
As world populations grow exponentially, the importance of food security has risen. While many are focusing efforts on increasing food production, too little attention is being paid to preventing food losses. This issue affects the entire world, with losses ranging from a third to half of total produce yield. Written for crop science researchers and professionals, horticultural researchers, agricultural engineers, food scientists working with fruits and vegetables, the book provides a comprehensive introduction to this subject, with a grounding in the basic science with the technology and practical applications.
3D and 4D Printing in Biomedical Applications
Process Engineering and Additive Manufacturing
Mohammed Maniruzzaman
ISBN: 978-3-527-34443-7 • Dec 2018 • 488pp

After providing a brief overview of the evolving field additive manufacturing, this book presents current research and innovations on pharmaceutical and biomedical applications. On the pharmaceutical side, developing applications such as pharmaceutical drug delivery, printing of oral tablets with multiple drugs and modulated drug release are covered, while topics on biomedical developments include shape memory polymers, 4D bio-fabrications and organ printing.

Chemical Process Design and Simulation
Aspen Plus and Aspen Hysys Applications
Juma Haydary
ISBN: 978-1-119-08911-7 • Dec 2018 • 432pp

A comprehensive and example oriented text for the study of chemical process design and simulation. Chemical Process Design and Simulation is an accessible guide that offers information on the most important principles of chemical engineering design and includes illustrative examples of their application that uses simulation software. A comprehensive and practical resource, the text uses both Aspen Plus and Aspen Hysys simulation software. The author describes the basic methodologies for computer aided design and offers a description of the basic steps of process simulation in Aspen Plus and Aspen Hysys.

Experimental Electrochemistry, 2nd Edition
A Laboratory Textbook
Rudolf Holze
ISBN: 978-3-527-33524-4 • Dec 2018 • 322pp

Previous Edition Licensed in Japanese

Showing how to apply the theoretical knowledge in practice, the one and only compilation of electrochemical experiments on the market now in a new edition. Maintaining its didactic approach, this successful textbook provides clear and easy-to-follow instructions for carrying out the experiments, illustrating the most important principles and applications in modern electrochemistry, while pointing out the potential dangers and risks involved. This second edition contains approximately 25% new material and 20 new experiments, many of which cover electrochemical energy conversion and storage as well as electrochemical equilibrium. With a foreword by R. Daniel Little.

High Temperature Corrosion
Fundamentals and Engineering
Cesar A. Correia de Sequeira

This book provides a balanced collection of fundamental and engineering knowledge about key aspects of high-temperature corrosion, and covers corrosion data to help in making a choice of candidate materials for high-temperature service in such process conditions. The text covers fundamental science and engineering involved in high temperature corrosion, and most HTC types, including oxidation, sulfidation, nitridation, molten salts, fuel-ash corrosion, H2S/H2 corrosion, molten fluoride/HF corrosion, and carburization.
**Introduction to Heterocyclic Chemistry**
Peter A. Jacobi

**ISBN:** 978-1-119-41759-0 • Sep 2018 • 272pp

A unique approach to a core topic in organic chemistry presented by an experienced teacher to students and professionals. Heterocyclic rings are present in the majority of known natural products, contributing to enormous structural diversity. In addition, they often possess significant biological activity. Medicinal chemists have embraced this last property in designing most of the small molecule drugs in use today. This book offers readers a fundamental understanding of the basics of heterocyclic chemistry and their occurrence in natural products such as amino acids, DNA, vitamins, and antibiotics.

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**Kinetics of Chemical Reactions, 2nd Edition**
Decoding Complexity
Guy B. Marin, Gregory S. Yablonsky & Denis Constales

**ISBN:** 978-3-527-34295-2 • Oct 2018 • 496pp

This second, extended and updated edition presents the current state of kinetics of chemical reactions, combining basic knowledge with results recently obtained at the frontier of science. Special attention is paid to the problem of the chemical reaction complexity with theoretical and methodological concepts illustrated throughout by numerous examples taken from heterogeneous catalysis, combustion, and enzyme processes. Of great interest to graduate students in both chemistry and chemical engineering.

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**Metallurgy and Corrosion Control in Oil and Gas Production, 2nd Edition**
Robert Heidersbach

**Series:** Wiley Series in Corrosion • **ISBN:** 978-1-119-25205-4 • Oct 2018 • 400pp

**Previous Edition:** 978-0-470-24848-5

Details the proper methods to assess, prevent, and reduce corrosion in the oil industry using today's most advanced technologies. This book discusses upstream operations, with an emphasis on production, and pipelines, which are closely tied to upstream operations. It also examines protective coatings, alloy selection, chemical treatments, and cathodic protection — the main means of corrosion control. The strength and hardness levels of metals are also discussed, as this affects the resistance of metals to hydrogen embrittlement, a major concern for high-strength steels and some other alloys.

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**Nuclear Magnetic Resonance Spectroscopy, 2nd Edition**
An Introduction to Principles, Applications, and Experimental Methods
Joseph B. Lambert, Eugene Mazzola & Clark D. Ridge

**ISBN:** 978-1-119-29523-5 • Nov 2018 • 472pp

Combines clear and concise discussions of key NMR concepts with succinct and illustrative examples.

Designed to cover a full course in Nuclear Magnetic Resonance (NMR) Spectroscopy, this text offers complete coverage of classic (one-dimensional) NMR as well as up-to-date coverage of two-dimensional NMR and other modern methods. It contains practical advice, theory, illustrated applications, and classroom-tested problems; looks at such important ideas as relaxation, NOEs, phase cycling, and processing parameters; and provides brief, yet fully comprehensible, examples.
**Principles of Solar Cells, LEDs and Related Devices, 2nd Edition**

The Role of the PN Junction

Adrian Kitai

ISBN: 978-1-119-45102-0 • Oct 2018 • 408pp


The second edition of the text that offers an introduction to the principles of solar cells and LEDs

The revised and updated second edition of *Principles of Solar Cells, LEDs and Related Devices* offers an introduction to the physical concepts required for a comprehensive understanding of p-n junction devices, light emitting diodes and solar cells. The author — a noted expert in the field — presents information on the semiconductor and junction device fundamentals and extends it to the practical implementation of semiconductors in both photovoltaic and LED devices.

**ENERGY**

**Electrical Energy Storage in Buildings**

Benoit Robyns, Christophe Saudemont, Arnaud Davigny, Herve Barry, Sabine Kazmierczak, Dhaker Abbes & Bruno Francois

ISBN: 978-1-84821-612-9 • Jan 2019 • 370pp

Author's Previous Title Licensed in Simplified Chinese

To enable the sustainable development of complex modern transportation systems, the storage of electrical energy is crucial. This is particularly true given the rapid developments made for electric transportation services in smart cities, and the demand for interaction between different transport systems. This book presents tools to design such an energy management system, following a generic approach; this includes the deployment of smart electric power grids, services for the storage of electrical energy, and the use of artificial intelligence and explicit optimization methods.

**Energy Conservation in Residential, Commercial, and Industrial Facilities**

Hossam A. Gabbar


An authoritative and comprehensive guide to managing energy conservation in infrastructures

*Energy Conservation in Residential, Commercial, and Industrial Facilities* offers an essential guide to the business models and engineering design frameworks for the implementation of energy conservation in infrastructures. The presented models of both physical and technological systems can be applied to a wide range of structures such as homes, hotels, public facilities, industrial facilities, transportation, and water energy supply systems. The authors — noted experts in the field — explore the key performance indicators that are used to evaluate energy conservation strategies and the energy supply scenarios as part of the design and operation of energy systems in infrastructures.

**Hydrogen Storage Technologies**

Mehmet Sankir & Nurdan Demirci Sankir

Series: Advances in Hydrogen Production and Storage (AHPS) • ISBN: 978-1-119-45988-0 • Aug 2018 • 344pp

Hydrogen storage is considered a key technology for stationary and portable power generation especially for transportation. This volume covers the novel technologies to efficiently store and distribute hydrogen and discusses the underlying basics as well as the advanced details in hydrogen storage technologies. The book has two major parts: Chemical and electrochemical hydrogen storage and Carbon-based materials for hydrogen storage.
Power Systems and Restructuring, 2nd Edition
Nouredine Hadjsaid & Jean-Claude Sabonnadiere

The development of electric power systems has been made up of incremental innovations from the end of the 19th century and throughout the 20th century. The creation of deregulated electricity markets has brought about an emerging paradigm in which the relationships between producers, power system operators and consumers have changed enormously compared to the monopolistic case. The scope of this book is to provide fundamental concepts of the physics and operation of transmission and distribution lines.

Transportation and Power Grid in Smart Cities
Communication Networks and Services
Hussein T. Mouftah, Melike Erol-Kantarci & Mubashir Husain Rehmani
ISBN: 978-1-119-36008-7 • Oct 2018 • 688pp

With the increasing worldwide trend in population migration into urban centers, we are beginning to see the emergence of the kinds of mega-cities which were once the stuff of science fiction. It is clear to most urban planners and developers that accommodating the needs of the tens of millions of inhabitants of those megalopolises in an orderly and uninterrupted manner will require the seamless integration of and real-time monitoring and response services for public utilities and transportation systems.

The Fracture of Brittle Materials, Second Edition
Testing and Analysis

This book expands on the measurement and analysis methodology contained in the first edition. It covers the relevant measurements (toughness, strength, elastic modulus, microstructure, hardness), material types, fracture mechanics, measurement techniques, reliability and lifetime predictions, specifics of films/coatings, microstructural considerations, and material/test selection processes appropriate for practical analysis of brittle materials. While providing the necessary basic concepts, the book primarily seeks to provide a practical, hands-on approach to the analysis of brittle materials.

An Introduction to Categorical Data Analysis, 3rd Edition
Alan Agresti

Previous Editions Licensed in Japanese, Korean, Orthodox Chinese, and Simplified Chinese

A valuable new edition of a standard reference
The use of statistical methods for categorical data has increased dramatically, particularly for applications in the biomedical and social sciences. An Introduction to Categorical Data Analysis, Third Edition summarizes these methods and shows readers how to use them using software. Readers will find a unified generalized linear models approach that connects logistic regression and loglinear models for discrete data with normal regression for continuous data.
An Introduction to Envelopes
Dimension Reduction for Efficient Estimation in Multivariate Statistics
R. Dennis Cook

Written by the leading expert in the field, this text reviews the major new developments in envelope models and methods "An Introduction to Envelopes" provides an overview of the theory and methods of envelopes, a class of procedures for increasing efficiency in multivariate analyses without altering traditional objectives. The author offers a balance between foundations and methodology by integrating illustrative examples that show how envelopes can be used in practice. He discusses how to use envelopes to target selected coefficients and explores predictor envelopes and their connection with partial least squares regression.

Analytic Methods in Systems and Software Testing
Ron S. Kenett, Fabrizio Ruggeri & Frederick W. Faltin
ISBN: 978-1-119-27150-5 • Aug 2018 • 570pp

A comprehensive treatment of systems and software testing using state of the art methods and tools
This book provides valuable insights into state of the art software testing methods and explains, with examples, the statistical and analytic methods used in this field. Numerous examples are used to provide understanding in applying these methods to real-world problems. Leading authorities in applied statistics, computer science, and software engineering present state-of-the-art methods addressing challenges faced by practitioners and researchers involved in system and software testing. Methods include: machine learning, Bayesian methods, graphical models, experimental design, generalized regression, and reliability modeling.

SPSS Data Analysis for Univariate, Bivariate, and Multivariate Statistics
Daniel J. Denis
ISBN: 978-1-119-46581-2 • Sep 2018 • 288pp

Enables readers to start doing actual data analysis fast for a truly hands-on learning experience
This concise and very easy-to-use primer introduces readers to a host of computational tools useful for making sense out of data, whether that data come from the social, behavioral, or natural sciences. The book places great emphasis on both data analysis and drawing conclusions from empirical observations. It also provides formulas where needed in many places, while always remaining focused on concepts rather than mathematical abstraction.

Ensemble Classification Methods with Applications in R
Esteban Alfaro, Matias Gamez & Noelia García

An essential guide to two burgeoning topics in machine learning: classification trees and ensemble learning
"Ensemble Classification Methods with Applications in R" introduces the concepts and principles of ensemble classifiers methods and includes a review of the most commonly used techniques. This important resource shows how ensemble classification has become an extension of the individual classifiers. The text puts the emphasis on two areas of machine learning: classification trees and ensemble learning. The authors explore ensemble classification methods basic characteristics and explain the types of problems that can emerge in its application.
Explorations of Mathematical Models in the Management, Life, and Social Sciences with Microsoft Office Excel

Mazen Shahin

ISBN: 978-1-118-10538-2 • Feb 2019 • 352pp

This book introduces modeling real-life situations with difference equations, matrices, Markov chains, linear programming, sets, and probability using Excel. An emphasis on the use of graphical and numerical techniques, rather than theoretical one, is utilized to investigate and analyze the behavior of solutions of the mathematical models. The author investigates interesting linear and nonlinear models, models represented by systems of linear and non-linear difference equations, and systems of linear equations from diverse disciplines.

Fundamental Statistical Inference
A Computational Approach

Marc S. Paolella


A hands-on approach to statistical inference that addresses the latest developments in this ever-growing field

This clear and accessible book for beginning graduate students offers a practical and detailed approach to the field of statistical inference, providing complete derivations of results, discussions, and MATLAB programs for computation. It emphasizes details of the relevance of the material, intuition, and discussions with a view towards very modern statistical inference.

Mathematical Modelling
A Graduate Textbook

Seyed M. Moghadas & Majid Jaberi-Douraki

ISBN: 978-1-119-48395-3 • Sep 2018 • 192pp

An important resource that provides an overview of mathematical modelling

Mathematical Modelling offers a comprehensive guide to both analytical and computational aspects of mathematical modelling that encompasses a wide range of subjects. The authors provide an overview of the basic concepts of mathematical modelling and review the relevant topics from differential equations and linear algebra. The text explores the various types of mathematical models, and includes a range of examples that help to describe a variety of techniques from dynamical systems theory.

Mathematical Statistics with Resampling and R, 2nd Edition

Laura M. Chihara & Tim C. Hesterberg

ISBN: 978-1-119-41654-8 • Sep 2018 • 560pp

This thoroughly updated second edition combines the latest software applications with the benefits of modern resampling techniques

Resampling helps students understand the meaning of sampling distributions, sampling variability, P-values, hypothesis tests, and confidence intervals. The second edition of Mathematical Statistics with Resampling and R combines modern resampling techniques and mathematical statistics. This book has been classroom-tested to ensure an accessible presentation, uses the powerful and flexible computer language R for data analysis and explores the benefits of modern resampling techniques. This book offers an introduction to permutation tests and bootstrap methods that can serve to motivate classical inference methods.
Mindset Mathematics
Visualizing and Investigating Big Ideas, Grade 6
Jo Boaler, Jen Munson & Cathy Williams
ISBN: 978-1-119-35883-1 • Feb 2019 • 272pp

Engage students in mathematics using growth mindset techniques
The most challenging parts of teaching mathematics are engaging students and helping them understand the connections between mathematics concepts. In this volume, you’ll find a collection of low floor, high ceiling tasks that will help you do just that, by looking at the big ideas at the sixth-grade level through visualization, play, and investigation.

Partial Differential Equations, 3rd Edition
An Introduction
Walter A. Strauss
Previous Editions Licensed in Albanian, Greek, German, Macedonian, and Simplified Chinese

Partial Differential Equations: An Introduction, 3rd Edition covers the fundamental properties of partial differential equations (PDEs) and proven techniques useful in analyzing them. The text uses a broad approach to illustrate the rich diversity of phenomena such as vibrations of solids, fluid flow, molecular structure, photon and electron interactions, radiation of electromagnetic waves encompassed by this subject as well as the role PDEs play in modern mathematics, especially geometry and analysis.

Applied Gas Dynamics, 2nd Edition
Ethirajan Rathakrishnan
ISBN: 978-1-119-50045-2 • Feb 2019 • 730pp

A revised edition to applied gas dynamics with exclusive coverage on jets and additional sets of problems and examples
The revised and updated second edition of Applied Gas Dynamics offers an authoritative guide to the science of gas dynamics. Written by a noted expert on the topic, the text contains a comprehensive review of the topic; from a definition of the subject, to the three essential processes of this science: the isentropic process, shock and expansion process, and Fanno and Rayleigh flows. In this revised edition, there are additional worked examples that highlight many concepts.
Info We Trust
How to Entertain, Improve, and Inspire the World with Data
RJ Andrews

How do we create new ways of looking at the world? Join award-winning data storyteller RJ Andrews as he pushes beyond the usual how-to, and takes you on an adventure into the rich art of informing. Creating Info We Trust is a craft that puts the world into forms that are strong and true. It begins with maps, diagrams, and charts — but must push further than dry defaults to be truly effective. How do we attract attention? How can we offer audiences valuable experiences worth their time? How can we help people access complexity? Dark and mysterious, but full of potential, data is the raw material from which new understanding can emerge. Become a hero of the information age as you learn how to dip into the chaos of data and emerge with new understanding that can entertain, improve, and inspire. Whether you call the craft data storytelling, data visualization, data journalism, dashboard design, or infographic creation — what matters is that you are courageously confronting the chaos of it all in order to improve how people see the world. Info We Trust is written for everyone who straddles the domains of data and people: data visualization professionals, analysts, and all who are enthusiastic for seeing the world in new ways.

About the Author
RJ Andrews (San Francisco) is a data storyteller whose bold style — often described as creative arts meets data science — is a striking lesson in how to use design and science to humanize complex information. His clients include Microsoft, MIT, Budweiser, Pearson, USAID, and Viacom, amongst many others. He received an Kanter Information is Beautiful GOLD Infographic Award in 2014.
CASP CompTIA Advanced Security Practitioner Study Guide
Exam CAS-003, Third Edition
Jeff T. Parker & Michael Gregg

Author’s Previous Titles Licensed in Simplified Chinese

Comprehensive coverage of the new CASP exam, with hands-on practice and interactive study tools

The CASP CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, offers invaluable preparation for exam CAS-003. Covering 100 percent of the exam objectives, this book provides expert walk-through of essential security concepts and processes to help you tackle this challenging exam with full confidence. Practical examples and real-world insights illustrate critical topics and show what essential practices look like on the ground, while detailed explanations of technical and business concepts give you the background you need to apply identify and implement appropriate security solutions. End-of-chapter reviews help solidify your understanding of each objective, and cutting-edge exam prep software features electronic flashcards, hands-on lab exercises, and hundreds of practice questions to help you test your knowledge in advance of the exam. The next few years will bring a 45-fold increase in digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP certification validates this in-demand skill set, and this book is your ideal resource for passing the exam.

About the Author
Michael Gregg (Houston, TX) is the COO of Superior Solutions, Inc. (www.thesolutionfirm.com), a Houston-based IT security consulting firm. His organization performs security assessments and penetration testing for fortune 1000 firms. He has more than 20 years’ experience in the IT field. He is an expert on security, networking, and Internet technologies, and has written over 15 books, all focusing on IT security.
CompTIA IT Fundamentals Study Guide
Exam FC0-U61, 2nd Edition
Quentin Docter

The ultimate study guide for the essential entry-level IT cert!

The CompTIA IT Fundamentals Study Guide: Exam FC0-U61, Second Edition is your ideal companion for comprehensive exam preparation. Covering 100 percent of the latest exam objectives, this book contains everything you need to know to pass with flying colors — the first time! Clear, concise language breaks down fundamental IT concepts to help you truly grasp important concepts, and practical examples illustrate how each new skill is applied in real-world situations. You'll learn your way around hardware and software, conduct installations, and connect to networks to get a workstation up and running smoothly; you'll also develop the knowledge base needed to identify compatibility and security issues, mitigate risks, and conduct all-important preventative maintenance that keeps the end-user problem-free. The CompTIA IT Fundamentals certification validates your skills as a systems support specialist, and gets your foot in the door to a successful IT career. This book is your ultimate preparation resource, with expert guidance backed by online tools to take your preparation to the next level! Master 100 percent of Exam FC0-U61 objectives Learn real-world applications and practical on-the-job skills Know what to expect with exam highlights and review questions Access online study tools including flashcards, chapter tests, a practice exam, and more!

About the Author
Quentin Docter (Loveland, OH) A+, MCSE, CNE, CCNA, and SCSA, has over 17 years IT experience. During his career, he has worked as a technician, network administrator, consultant, trainer, author, and web developer. He is now working as an IT consultant and author.
World-class preparation for the new PenTest+ exam

The CompTIA PenTest+ Study Guide: Exam PT0-001 offers comprehensive preparation for the newest intermediate cybersecurity certification exam. With expert coverage of Exam PT0-001 objectives, this book is your ideal companion throughout all stages of study; whether you're just embarking on your certification journey or finalizing preparations for the big day, this invaluable resource helps you solidify your understanding of essential skills and concepts. Access to the Sybex online learning environment allows you to study anytime, anywhere with electronic flashcards, a searchable glossary, and more, while hundreds of practice exam questions help you step up your preparations and avoid surprises on exam day. The CompTIA PenTest+ certification validates your skills and knowledge surrounding second-generation penetration testing, vulnerability assessment, and vulnerability management on a variety of systems and devices, making it the latest go-to qualification in an increasingly mobile world. This book contains everything you need to prepare; identify what you already know, learn what you don't know, and face the exam with full confidence! Perform security assessments on desktops and mobile devices, as well as cloud, IoT, industrial and embedded systems.

About the Author

Mike Chapple, Ph.D., Security+, is Senior Director for IT Service Delivery at Notre Dame overseeing information security, data governance, IT architecture, project management, strategic planning and product management functions and teaches undergraduate courses on Information Security. Mike spent 4 years in the information security research group at NSA and served as an intelligence officer in the U.S. Air Force.
The bestselling CWNA study guide, updated for the latest exam

The CWNA: Certified Wireless Network Administrator Study Guide is the ultimate preparation resource for the CWNA exam. Fully updated to align with the latest version of the exam, this book features expert coverage of all exam objectives to help you internalize essential information. A pre-assessment test reveals what you already know, allowing you to focus your study time on areas in need of review, while hands-on exercises allow you to practice applying CWNA concepts to real-world scenarios. Expert-led discussion breaks complex topics down into easily-digestible chunks to facilitate clearer understanding, and chapter review questions help you gauge your progress along the way. You also get a year of free access to the Sybex online interactive learning environment, which features additional resources and study aids including bonus practice exam questions. The CWNA exam tests your knowledge of regulations and standards, protocols and devices, network implementation, security, and RF site surveying.

About the Author

David Coleman (Atlanta, GA), CWNE #4, is the Global Training Manager for Aerohive Networks, creators of the award-winning cooperative control wireless LAN (WLAN) architecture. He is the author of numerous books and white papers about Wi-Fi technology. David is Certified Wireless Network Trainer, Administrator, Security Professional, and Analysis Professional and also holds Microsoft and Cisco certifications.
Hacking Connected Cars
Tactics, Techniques, and Procedures
Alissa Knight

A field manual on contextualizing cyber threats, vulnerabilities, and risks to connected cars through penetration testing and risk assessment

Hacking Connected Cars deconstructs the tactics, techniques, and procedures (TTPs) used to hack into connected cars and autonomous vehicles to help you identify and mitigate vulnerabilities affecting cyber-physical vehicles. Written by a veteran of risk management and penetration testing of IoT devices and connected cars, this book provides a detailed account of how to perform penetration testing, threat modeling, and risk assessments of telematics control units and infotainment systems. This book demonstrates how vulnerabilities in wireless networking, Bluetooth, and GSM can be exploited to affect confidentiality, integrity, and availability of connected cars. Passenger vehicles have experienced a massive increase in connectivity over the past five years, and the trend will only continue to grow with the expansion of The Internet of Things and increasing consumer demand for always-on connectivity. Manufacturers and OEMs need the ability to push updates without requiring service visits, but this leaves the vehicles systems open to attack. This book examines the issues in depth, providing cutting-edge preventative tactics that security practitioners, researchers, and vendors can use to keep connected cars safe without sacrificing connectivity. Perform penetration testing of infotainment systems and telematics control units through a step-by-step methodical guide.

About the Author

Alissa Knight has worked in enterprise risk management for over 18 years, beginning her career in red team penetration testing on the offensive side of IT security and blue team defensive strategies through intrusion analysis, incident response, and forensics. For the last 4 years, she has focused her research and development in performing dozens of penetration tests against connected cars for manufacturers and OEMs in the United States, Middle East, Europe, and Asia. A Germany in the automobile corridor.
PHR / SPHR Professional in Human Resources Certification Kit
Sandra M. Reed & James Galluzzo
ISBN: 978-1-119-42682-0 • Nov 2018 • 1054pp

2018 Exams
Sandra M. Reed
The #1 study guide for the leading HR certification, aligned with the updated HRBoK! PHR/SPHR Professional in Human Resources Certification Deluxe Study Guide, Second Edition, is the ideal resource for HR professionals seeking to validate their skills and knowledge acquired through years of practical experience, or a relative newcomer to the HR field looking to strengthen their resume. Featuring study tools designed to reinforce understanding of key functional areas, its the study guide you’ll turn to again and again as you prepare for this challenging exam.

2018 Exams
Sandra M. Reed
ISBN: 978-1-119-42652-3 • Nov 2018 • 648pp • Previous edition:: 978-1-118-28917-4
The #1 book for the leading HR certifications, aligned with the updated HRBoK PHR and SPHR certifications, offered by Human Resources Certification Institute (HRCI), have become the industry standard for determining competence in the field of human resources. Developed by working professionals, the PHR and SPHR credentials demonstrate that recipients are fully competent HR practitioners based on a standard set by workforce peers. Offering insights into those areas of knowledge and practices specific and necessary to human resource management (HRM), this study guide covers tasks, processes, and strategies as detailed in the updated A Guide to the Human Resource Body of Knowledge (HRBoK).

Mastering SolidWorks
Matt Lombard
ISBN: 978-1-119-30057-1 • Dec 2018 • 1296pp
Author's Previous Titles Licensed in Simplified Chinese
The complete SolidWorks reference-tutorial for beginner to advanced techniques Mastering SolidWorks is the reference-tutorial for all users. Packed with step-by-step instructions, video tutorials for over 40 chapters, and coverage of little-known techniques, this book takes you from novice to power user with clear instruction that goes beyond the basics. SolidWorks is the leading 3D CAD program, and is an essential tool for engineers, mechanical designers, industrial designers, and drafters around the world. User friendly features such as drag-and-drop, point-and-click, and cut-and-paste tools belie the softwares powerful capabilities that can help you create cleaner, more precise, more polished designs in a fraction of the time.
Master database creation and management *Access 2019 Bible* is your comprehensive reference to the world’s most popular database management tool. With clear guidance toward everything from the basics to the advanced, this go-to reference helps you take advantage of everything Access 2019 has to offer. Whether you’re new to Access or getting started with Access 2019, you’ll find everything you need to know to create the database solution perfectly tailored to your needs, with expert guidance every step of the way. The companion website features all examples and databases used in the book, plus trial software and a special offer from Database Creations. Start from the beginning for a complete tutorial, or dip in and grab what you need when you need it. Access enables database novices and programmers to store, organize, view, analyze, and share data, as well as build powerful, integrable, custom database solutions — but databases can be complex, and difficult to navigate. This book helps you harness the power of the database with a solid understanding of their purpose, construction, and application. Understand database objects and design systems objects.

**About the Authors**

**Mike Alexander** is the author of several books on advanced business analysis. He has more than 15 years experience consulting and developing reporting solutions for a variety of industries. In addition to consulting, Mike is also serves as the principle contributor at www.datapigtechnologies.com, where he shares free video tutorials with the Microsoft Excel and Access communities. Mike has been named a Microsoft MVP for his ongoing contributions to the Excel community.  

**Dick Kusleika** is 12-year Microsoft Excel MVP and the principle contributor at the Daily Dose of Excel blog.  

**John Walkenbach** (Tucson, AZ) principal of J-Walk and Associates, Inc. is a leading authority on spreadsheet software and creator of the award-winning Power Utility Pak. He has written more than 50 books and 300 articles and reviews for publications including PC World, InfoWorld, and Windows. He also maintains the popular Spreadsheet Page at spreadsheetpage.com and promotes all his books at that site.
Excel 2019 Bible
Michael Alexander, Dick Kusleika & John Walkenbach

Author’s Previous Titles Licensed in German, Orthodox Chinese, Polish, Portuguese, Russian, and Simplified Chinese
Previous Editions Licensed in Polish and Simplified Chinese

The complete guide to Excel 2019
Whether you are just starting out or an Excel novice, the Excel 2019 Bible is your comprehensive, go-to guide for all your Excel 2019 needs. Whether you use Excel at work or at home, you will be guided through the powerful new features and capabilities to take full advantage of what the updated version offers. Learn to incorporate templates, implement formulas, create pivot tables, analyze data, and much more. Navigate this powerful tool for business, home management, technical work, and much more with the only resource you need, Excel 2019 Bible.

About the Authors
Mike Alexander is the author of several books on advanced business analysis. He has more than 15 years experience consulting and developing reporting solutions for a variety of industries. In addition to consulting, Mike is also serves as the principle contributor at www.datapigtechnologies.com, where he shares free video tutorials with the Microsoft Excel and Access communities. Mike has been named a Microsoft MVP for his ongoing contributions to the Excel community.

Dick Kusleika is 12-year Microsoft Excel MVP and the principle contributor at the Daily Dose of Excel blog.
Mastering VMware vSphere 6.7
Nick Marshall

Written by certified VMware vExperts, this indispensable guide provides hands-on instruction and detailed conceptual explanations, anchored by practical applications and real-world examples. This book is the ultimate guide to vSphere, helping administrators master their virtual environment. Learn to:

- Install, configure, and manage the vCenter Server components
- Leverage the Support Tools to provide maintenance and updates
- Create and configure virtual networks, storage devices, and virtual machines
- Implement the latest features to ensure compatibility and flexibility
- Manage resource allocation and utilization to meet application needs
- Monitor infrastructure performance and availability
- Automate and orchestrate routine administrative tasks

About the Author

Nick Marshall (Palo Alto, CA) is a product manager with over 14 years IT experience and holds multiple advanced IT certifications. Currently working at VMware, he helps build products including vSphere, vCenter Operations Manager and vCloud Automation Center. Nick helps run the vBrownBag podcast, blogs (nickmarshall.com.au) and runs a site dedicated to home labs (HYPERLINK “http://www.labguides.com” www.labguides.com). He can be found on Twitter @nickmarshall9.
Professional Android
4th Edition
Reto Meier & Ian Lake

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This hands-on approach provides in-depth coverage through a series of projects, each introducing a new Android platform feature and highlighting the techniques and best practices that exploit its utmost functionality. The exercises begin simply, and gradually build into advanced Android development. Clear, concise examples show you how to quickly construct real-world mobile applications. This book is your guide to smart, efficient, effective Android development.

- Learn the best practices that get more out of Android
- Understand the anatomy, lifecycle, and UI metaphor of Android apps
- Design for all mobile platforms, including tablets
- Utilize both the Android framework and Google Play services

About the Author
Reto Meier leads the Android Developer Relations scalable developer advocacy programs at Google, having previously led their Android developer outreach efforts Europe, the Middle East, and Africa. Reto’s development approach is focused on delivering intuitive applications with compelling user interfaces, optimally designed for the working environment of end users. His blog posts and tutorials regularly appear on the official Android Developer blog, his own blog, and YouTube. With over 21,000 followers on Twitter, and 54,000 on Google+, he has developed a strong social network following. Reto is the author of Professional Android 4 Application Development (Wrox: 9781118102275), which has sold more than 21,000 copies.
Beginning with a high-level overview of new features, you’ll learn what’s new, how new features come about, who’s responsible, how to stay on top of what’s coming next, and how to use new features even in old browsers. The bulk of the coverage consists of point-by-point “just the facts” explanations of each new feature, plus expert recommendations for tweaking old habits to integrate new techniques. Each feature is introduced with the problem it solves and the details of how it works — including brief source code demonstrating syntax and behavior. With comprehensive coverage of the new features and techniques, this book provides an invaluable resource for web programmers everywhere.

About the Author

T.J. Crowder is a software engineer with 25 years of professional experience, including more than 10 years of professional work in JavaScript. He runs Farsight Software, a software contracting and product company. He uses his understanding of JavaScript to help others with JavaScript issues on Stack Overflow, where he is the all-time top JavaScript answerer on the site.
WEB SITE DEVELOPMENT

PHP & MySQL
Jon Duckett

Rights Already Licensed in German, Italian, Korean, Portuguese, and Russian
Author’s Previous Titles Licensed in Dutch, French, German, Italian, Korean, Orthodox Chinese, Polish, Portuguese, Russian, Simplified Chinese, and Spanish

Author Jon Duckett uses his highly effective visual style to teach the core theory behind database-driven websites and the practical aspects needed to develop sites using PHP and MySQL. All you need is a computer or laptop to run a web server, and a basic understanding of HTML and CSS.

- Discover how database-driven websites function
- Learn the features of the PHP language that are built into the PHP processor
- Collect data from a database and HTML
- Design and structure a database to house information
- Create logins, and control access
- Share data among different sites and applications
- This how-to is one that you will enjoy reading and referring back to often as you begin designing and implementing your unique PHP and MySQL website experience.

About the Author

Jon Duckett is the world-wide best-selling author of HTML & CSS: Design and Build Websites and JavaScript & JQuery: Interactive Front-End Web Development. His books have sold more than 400,000 copies in English and been translated into 10 languages. His “nicer way to learn” features a high-visual breakdown of code and concepts. LifeHacker called JavaScript & jQuery “the most elegant, visually engaging book you can learn JavaScript from.” When he’s not writing best-selling books, Jon has spent the last 15 years designing and building websites for companies ranging from small startups to globally recognized brands.
Professional JavaScript for Web Developers, 4th Edition
Matt Frisbie

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Previous EditionsLicensed in Czech, Polish, Simplified Chinese, Russian, and Spanish

This new fourth edition has been updated to cover ECMAScript 6 and 7 (also known as ES2015 and ES2016) and the major re-imagination and departure from ES 5.1; new frameworks and libraries, new techniques, new testing tools, and more are explained in detail for the professional developer, with a practical focus that helps you put your new skills to work on real-world projects. The latest and most dramatic ES release is already being incorporated into JavaScript engines in major browsers.

About the Author
Matt Frisbie has a BS in Computer Engineering from the University of Illinois Urbana-Champaign. He is the author of Angular 2 Cookbook and AngularJS Web Application Development Cookbook, as well as a number of video series for O’Reilly. Matt is actively involved in the JavaScript community, giving talks at meetups and doing open webcasts. He works as a software engineer at Google.
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