



stylus

Fall 2018

Trade, Academic and Professional Books

Baseball Prospectus • CABI • Campus Compact • CSIRO
CSREA • Mercury Learning and Information • Myers Education Press
National Resource Center for the First-Year Experience
River Publishers • Thorogood publishing • Trentham Books
UCL IOE press • World Health Organization

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- Entomology
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- Mercury Learning & Information
- Plant Science and Horticulture
- Tourism
- Veterinary Science/ Medicine



Catalog design by egads

Stylus welcomes Baseball Prospectus!

Baseball Prospectus 2019

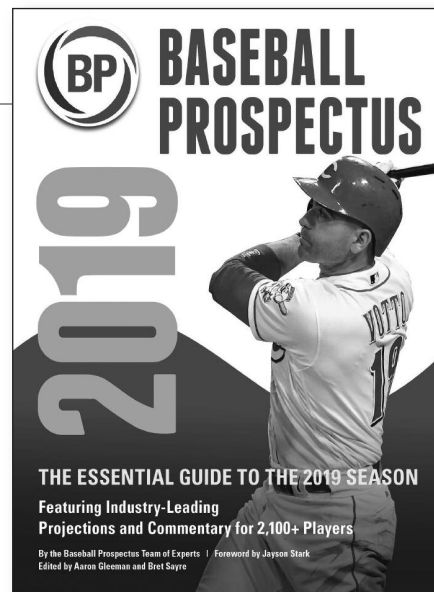
Baseball Prospectus

The 2019 edition of *The New York Times* Bestselling Guide.

PLAY BALL! The 24th edition of this industry-leading baseball annual contains all of the important statistics, player projections and insider-level commentary that readers have come to have come to expect. In addition, significant improvements have been made to several statistics that were created by, and are exclusive to, Baseball Prospectus, along with an expanded focus on international players and teams.

Baseball Prospectus 2019 provides fantasy players and insiders alike with prescient PECOTA projections, which *The New York Times* called "the überforecast of every player's performance."

With more than 50 Baseball Prospectus alumni currently working for Major League Baseball teams, nearly every organization has sought the advice of current or former BP analysts, and readers of *Baseball Prospectus 2019* will understand why!



(Final cover to come)

February 2019

600 pp, 8 1/2 x 11

Paper, 978-1-7323555-0-7, \$27.99 (\$7)

Hardcover, 978-1-7323555-3-8, \$49.95 (\$7)

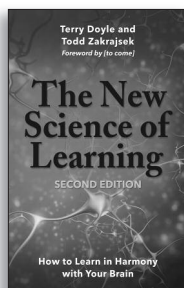
Also Available as:

Lib E-Book, 978-1-7323555-2-1, \$59.95 (10)

E-Book, 978-1-7323555-1-4, \$19.95 (\$9)

Resellers: Be sure to ask your sales rep for special offers!

GENERAL INTEREST



The New Science of Learning

How to Learn in Harmony with Your Brain

SECOND EDITION

Terry Doyle and Todd Zakrajsek

This succinct book explains straightforward strategies for changing how to prepare to learn, engage with course material, and set about improving recall of newly learned material at will. This is not another book about study skills and time management strategies, but instead an easy-to-read description of the research about how the human brain learns in a way that students can put into practice right away.

The second edition has been considerably updated with the latest findings from cognitive science that further illuminate learning for students, and help them understand what's involved in retaining new information.

Beyond updating every chapter with insights from new research, this edition introduces a range of additional topics – such as cognitive load, learned helplessness, and grit – all of which provide readers with immediately usable information on how to regulate their lives to maximize learning and fulfillment in college.

The Authors: Terry Doyle is the Chief Instructor for Faculty Development and Coordinator of the New Faculty Transition Program for the Faculty Center for Teaching and Learning at Ferris State University. Todd Zakrajsek is an Associate Professor in the Department of Family Medicine at UNC-Chapel Hill, and Executive Director of the Academy of Educators in the School of Medicine.

October 2018

192 pp, 5 1/2" x 8 1/4"

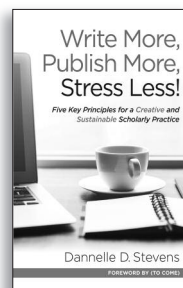
Paper, 978 1 62036 657 8, \$19.95 (\$3)

Also Available as:

Cloth, 978 1 62036 656 1, \$95.00 (\$5)

Lib E-Book, 978 1 62036 658 5, \$95.00 (10)

E-Book, 978 1 62036 659 2, \$15.99 (\$9)



Write More, Publish More, Stress Less!

Five Key Principles for a Creative and Sustainable Scholarly Practice

Dannelle D. Stevens

Dr. Stevens starts from the premise that most faculty have never been taught to write and that writers, both experienced and novice, frequently experience anxiety and self-doubt that erode confidence.

The author provides five key principles that will bolster your knowledge of academic writing, enable you to develop a manageable, sustainable, and even enjoyable writing practice, and, in the process, effectively increase your publication output and promote your academic career. Whether developing journal articles, book chapters, book proposals, book reviews, or conference proposals, this book will help you demystify the hidden structures and common patterns in academic writing and help you match your manuscript to the language, structures, and conventions of your discipline—in the sciences, social sciences, or humanities.

The Author: Dannelle D. Stevens is a professor in the Department of Curriculum and Instruction at Portland State University in Oregon. Her roots are in the public school classroom where she taught middle school and high school social studies, language arts, and special education. Whether the topic is rubrics, journal writing, action research or academic writing, her work centers on how adults reflect on what they do and, then, act on those reflections.

October 2018

192 pp, 5 1/2" x 8 1/4"

Paper, 978 1 62036 517 5, \$29.95 (\$3)

Also Available as:

Cloth, 978 1 62036 516 8, \$95.00 (\$5)

Lib E-Book, 978 1 62036 518 2, \$95.00 (10)

E-Book, 978 1 62036 519 9, \$23.99 (\$9)

Managing Your Professional Identity Online

A Guide for Faculty, Staff, and Administrators

Kathryn E. Linder

Foreword by Laura Pasquini

In higher education, professional online identities have become increasingly important. A rightly worded tweet can cause an academic blog post to go viral. A wrongly worded tweet can get a professor fired. Regular news items in *The Chronicle of Higher Education* and *Inside Higher Ed* provide evidence that reputations are both built and crushed via online platforms. Ironically, given the importance of digital identities to job searches, the promotion and distribution of scholarly work, pedagogical innovation, and many other components of an academic life, higher education professionals receive little to no training about how to best represent themselves in a digital space.

Managing Your Professional Identity Online is practical and action-oriented. In addition to offering a range of case studies demonstrating concrete examples of effective practices, the book is built around activities, templates, worksheets, rubrics, and bonus materials that walk readers through a step-by-step guide of how to design, build, and maintain professional online identities.

The Author: Kathryn E. Linder is an avid writer and researcher with a passion for process and peeking behind the scenes at what it takes to be a successful academic. Currently, she hosts two weekly solo podcasts *You've Got This* and *The Anatomy of a Book*, a weekly interview-based podcast *Research in Action*, and a seasonal podcast *AcademiGig* co-hosted with Dr. Sara Langworthy. Katie also writes a weekly essay series. Her most recent book is *The Blended Course Design Workbook: A Practical Guide*. Katie is also the director of the Oregon State University Ecampus Research Unit and an associate editor for the *International Journal for Academic Development*. For the past several years, Katie's work has focused on blended course design best practices, institutional supports for accessible online learning, and research literacy for scholarship of teaching and learning practitioners and distance education stakeholders.

MANAGING YOUR PROFESSIONAL IDENTITY ONLINE

A Guide for Faculty, Staff,
and Administrators



September 2018

180 pp, 7" x 10", figures, tables & boxes

Paper, 978 1 62036 669 1, \$29.95 (\$3)

Also available:

Cloth, 978 1 62036 668 4, \$95.00 (\$5)

Lib E-Book, 978 1 62036 670 7, \$95.00 (10)

E-Book, 978 1 62036 671 4, \$23.99 (\$9)

EDUCATION

GENERAL INTEREST

The Great Lizard Trek

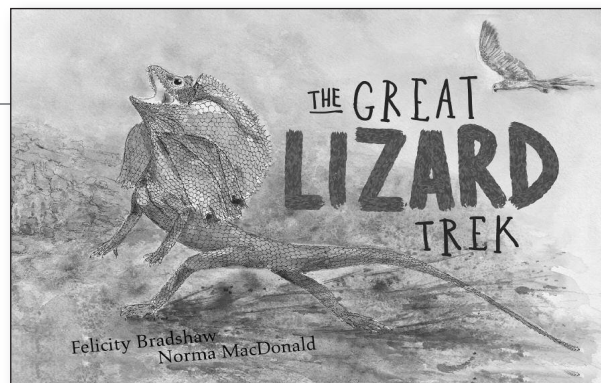
Felicity Bradshaw

Illustrated by Norma MacDonald

Rocky, an ornate dragon, lives on the granite rocks in the southwest of Australia. His ancestors have lived in this hot environment for around 10 million years, and for more than 60,000 years, they have lived alongside Indigenous Australians. Rocky's habitat is under threat, and his desert relatives in the north are facing challenges due to rising temperatures.

Along with Western science, Rocky uses his knowledge of Indigenous culture and language to engage with all that he encounters on his journey. *The Great Lizard Trek* accompanies Rocky to see what the future may bring.

Written by Felicity Bradshaw, a retired Research Officer at University of Western Australia, and illustrated by Norma MacDonald, an Aboriginal Yamatji artist, this book will delight, entertain and inform children.



November 2018

**32 pp, 8 1/4" x 10 5/8", Color illus
Cloth, 978 1 4863 0882 8, \$19.95 (\$5)**

JUVENILE/ ANIMALS

Goanna decided to visit Liasis the python. She knows everything.

From inside her cave, which was pretty cool, Liasis unwound some of her coils and looked sternly at Goanna. Using his proper name, she said ...

... 'Perentie, you have to find a new home where it's not so hot. One that has termite mounds, ants, trees, and not too much rain. You'll find all that in the south, in Noongar country, where Rocky lives. Because you are the largest of your relatives, it is your duty to make sure they all arrive safely ... and when you get there, Rocky will need your help.'

Liasis knew I was losing my home!

Bouncing Back

An Eastern Barred Bandicoot Story

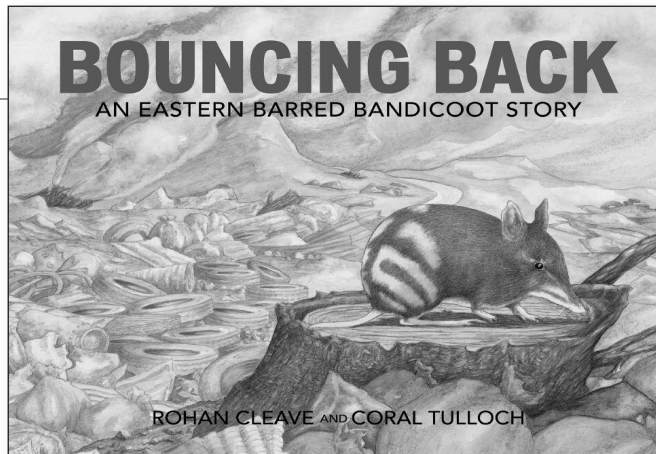
Rohan Cleave

Illustrated by Coral Tulloch

A beautifully illustrated story of this marsupial's plight and how it was saved from extinction.

The Eastern Barred Bandicoot is one of Australia's most threatened species. When their existence came under extreme threat from habitat loss, predators and human development, Eastern Barred Bandicoots found refuge in the most unlikely of places – a garbage dump. This captivating true story details the plight these small, nocturnal marsupials faced, and the outstanding efforts that ensured their protection. Written by Rohan Cleave and illustrated by Coral Tulloch, *Bouncing Back* shows that even on the brink of extinction, there is hope for the survival of our most vulnerable species.

*I am an Eastern Barred Bandicoot.
My species is found only in Australia and nowhere else in the world.
We are also one of Australia's most threatened species, and are in
great danger of being lost forever.
I have a long, tapered nose, thin whiskers, sharp claws for digging,
a stripy pattern on my rump and a short tail.*



July 2018

32 pp, 11 1/6" x 8 5/8", color illus

Cloth, 978 1 4863 0827 9, \$18.95 (\$3)

The Author: Rohan Cleave is a zookeeper at Melbourne Zoo, where he has been involved in the Lord Howe Island Stick Insect recovery breeding program since 2003. He now manages the program at Melbourne Zoo.

JUVENILE/ ANIMALS

Tawny Frogmouth

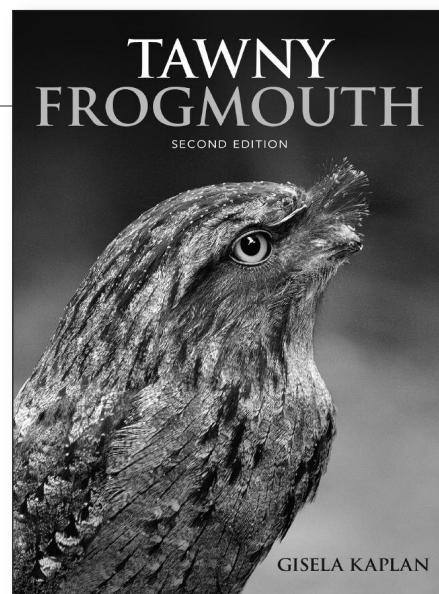
SECOND EDITION

Gisela Kaplan

The tawny frogmouth is one of Australia's most intriguing and endearing birds. Written by award-winning author Gisela Kaplan, one of Australia's leading authorities on animal behavior and native birds, this second edition of *Tawny Frogmouth* presents an easy-to-read account of these unique nocturnal birds, which can be found across almost the entire continent. Fully revised and updated throughout, this book combines 20 years of systematic observation with published research and information from regional surveys, and represents the most comprehensive single study ever conducted on tawny frogmouths.

We learn that tawny frogmouths are very affectionate, have close bonds with lifelong partners, scream like prowling tomcats when distressed, fight with lightning speed and defend nest sites from reptilian predators by mobbing and spraying pungent feces at them. Uncompromising male fights are contrasted with the touching gentleness of males as fathers. We also learn how resilient and unusual tawny frogmouths are in the way they cope with heat and cold and scarcity of water, sit out danger, and use a large variety of food items.

This fascinating book has a wide appeal to bird lovers, amateur ornithologists and naturalists, as well as those with a scientific or professional interest in native birds, their communication, emotions and skills.



October 2018

**168 pp, 6 5/8" x 9 5/8", Illus & photos
Paper, 978 1 4863 0816 3, \$29.95 (\$3)**

The Author: Gisela Kaplan is Emeritus Professor in Animal Behavior at the University of New England and an Honorary Professor at the Queensland Brain Institute. She is the author of over 250 research articles and 21 books and has conducted groundbreaking research into vocal learning, communication and cognition in birds and other vertebrates. She holds two PhDs and an honorary DSc for her contributions to life sciences. In addition to extensive research on birds in the wild, for the past two decades she has also raised and rehabilitated injured native birds.

NATURE/ ANIMALS/ BIRDS

3D Printing

An Introduction

Stephanie Torta and Jonathan Torta

This book is designed as an overview of the technology, applications, and design issues associated with the new 3D printing technology. It will be divided into three parts.

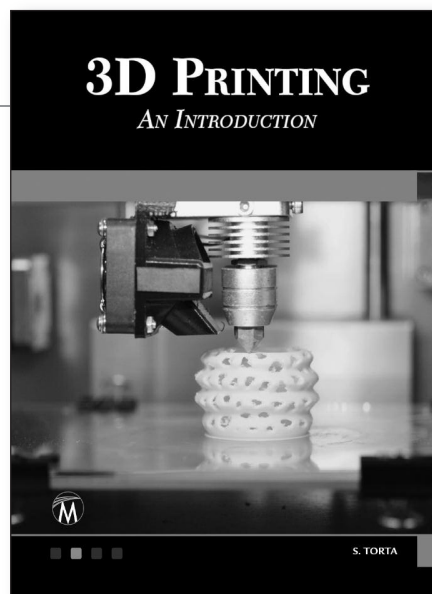
Part 1 will cover a brief background of the history and evolution of 3D printing, along with their use in both industry and for personal consumers.

Part 2 will document three different projects from start to finish. This will show a variety of printers and what is needed before a project starts, as well as some of the pitfalls to watch out for when creating 3D prints.

Part 3 will be a look ahead to how 3D printing will continue to evolve and how 3D printing is already in our pop-culture. Companion files are included with applications and examples of 3D printing.

Features:

- Provides an overview of the technology, applications, and design issues associated with the new 3D printing technology
- Includes review questions, discussion / essay questions and "Applying What You've Learned" in every chapter
- Companion files are included with projects, images, and samples of 3D printing



September 2018

250 pp, 7" x 9"

**Paperback & CD-ROM, 978 1 68392 209 4,
\$49.95 (\$7)**

E-Book, 978 1 68392 210 0, \$29.95 (\$7)

The Author: Stephanie Torta is an instructor in graphic design at Boston University and Emerson College. She is an accomplished graphic designer and photographer with over twenty years' experience. Jonathan Torta is a lifetime DIY enthusiast constructing various automated devices, computers, Tesla coils, and robots, with over 8 years constructing and modifying a variety of 3D printers to maximize their capabilities.

TECHNOLOGY/ ENGINEERING/ MATERIALS SCIENCE

Artificial Intelligence in the 21st Century

THIRD EDITION

Stephen Lucci and Danny Kopec

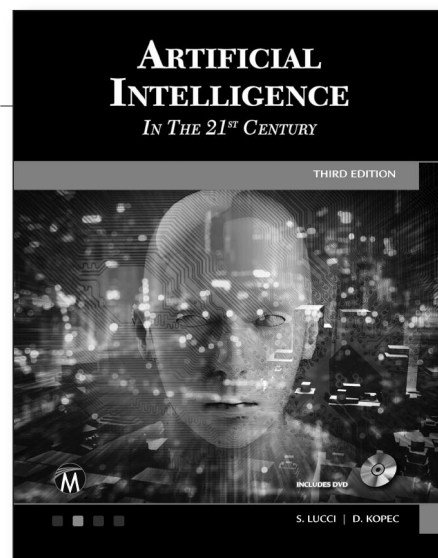
This third edition provides a comprehensive, colorful, up-to-date, and accessible presentation of AI without sacrificing theoretical foundations.

It includes numerous examples, applications, full color images, and human interest boxes to enhance student interest. New chapters on deep learning, robotics and machine learning are included. Advanced topics cover neural nets, genetic algorithms, natural language processing, planning, and complex board games.

A companion disc is provided with resources, applications, and figures from the book. Numerous instructors' resources are available upon adoption.

Features:

- Includes new chapters on deep learning and robotics with new sections on speech understanding and metaphor in NLP
- Provides a comprehensive, colorful, up-to-date, and accessible presentation of AI without sacrificing theoretical foundations
- Uses numerous examples, applications, full color images, and human interest boxes to enhance student interest
- Introduces important AI concepts e.g., robotics, use in video games, neural nets, machine learning, and more thorough practical applications
- Features over 300 figures and color images with worked problems detailing AI methods and solutions to selected exercises
- Includes companion files with resources, simulations, and figures from the book
- Provides numerous instructors' resources, including: solutions to exercises, Microsoft PP slides, etc.



December 2018

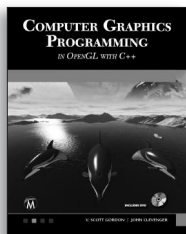
750 pp, 8" x 11", 300+ figures & color images

Hardback & DVD, 978 1 68392 223 0, \$99.95 (\$7)

E-Book, 978 1 68392 224 7, \$49.95 (\$7)

The Authors: Stephen Lucci holds a Ph.D. from the CUNY Graduate School and currently teaches computer science at The City College of New York. Dr. Lucci has published in the areas of high performance computing and has been co-PI on education grants from NASA MU-SPIN. Danny Kopec taught at Brooklyn College and the CUNY Graduate Center. He authored several books, conference and journal articles, and was an International Chess Master.

COMPUTER SCIENCE/ ARTIFICIAL INTELLIGENCE



Computer Graphics Programming in OpenGL with C++

V. Scott Gordon and John L. Clevenger

This book provides step-by-step instruction on modern 3D graphics shader programming in C++ and OpenGL. It is appropriate for computer science undergraduate graphics programming courses and for professionals who are interested in mastering 3D graphics skills. It has been designed in a 4-color, "teach-yourself" format with numerous examples that the reader can run just as presented. The book is unique in its heavy emphasis on student learning, making the complex topic of shader programming as accessible as possible. Includes companion files with source code and images.

Features:

- Covers OpenGL 4.0+ shader programming using C++, using Windows or Mac.
- Includes companion files with code, models, textures, images from the book, and more.
- Illustrates every technique with complete running code examples. Everything needed to install and run every example is provided and fully explained.
- Includes step-by-step instruction for every GLSL programmable pipeline stage (vertex, tessellation, geometry, and fragment) – with examples.
- Explains how to install and use essential OpenGL libraries such as GLEW, GLFW, glm, and others, for both Windows and Mac.

The Authors: V. Scott Gordon is a computer science professor at California State University, Sacramento. John L. Clevenger is a computer science professor at California State University, Sacramento.

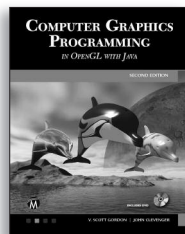
September 2018

450 pp, 7" x 9", four-color throughout

Hardback & DVD, 978 1 68392 221 6, \$69.95 (\$7)

E-Book, 978 1 68392 222 3, \$35.95 (\$7)

COMPUTER SCIENCE/ GRAPHICS/ OPENGL/ C++



Computer Graphics Programming in OpenGL with JAVA

SECOND EDITION

V. Scott Gordon and John L. Clevenger

This new edition provides step-by-step instruction on modern 3D graphics shader programming in OpenGL, along with its theoretical foundations. It is appropriate both for computer science undergraduate graphics programming courses in degree programs that emphasize Java, and for professionals interested in mastering 3D graphics skills who prefer Java. It has been designed in a 4-color, "teach-yourself" format with numerous examples that the reader can run just as presented. New sections have been added covering soft shadows, performance optimization, Nsight debugging, as well as updated industry-standard libraries and steps for running the examples on a Macintosh. Includes companion DVD with source code, models, textures, etc. used in the book.

Features:

- Includes new sections on implementing soft shadows, performance optimization, and updated tools and libraries such as the JOML math library and Nvidia's Nsight.
- Covers modern OpenGL 4.0+ shader programming in Java, using Windows or Mac.
- Illustrates every technique with complete running code examples. Everything needed to install JOGL and run every example is provided and fully explained.
- Includes step-by-step instruction for every GLSL programmable pipeline stage (vertex, tessellation, geometry, and fragment) – with examples.

The Authors: V. Scott Gordon is a computer science professor at California State University, Sacramento. John L. Clevenger is a computer science professor at California State University, Sacramento.

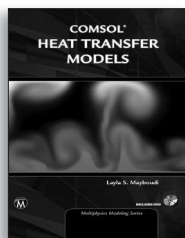
September 2018

450 pp, 7" x 9", four-color throughout

Hardback & DVD, 978 1 68392 219 3, \$59.95 (\$7)

E-Book, 978 1 68392 220 9, \$35.95 (\$7)

COMPUTERS/ GRAPHICS/ OPENGL/ JAVA



COMSOL Heat Transfer Models

Layla Mayboudi

Using the popular Heat Transfer Module from COMSOL, this text is designed to provide models for investigating and analyzing heat transfer applications such as conduction, convection, and radiation, etc. Each model covered in the book shows the mathematical development and the resulting computer model. A companion disc provides the files so models can be run in order to observe real-world behavior of the applications. Companion disc with models is included.

Features:

- Companion disc with models from the book
- Covers models from various disciplines

The Author: Layla Mayboudi is a thermofluid specialist from Kingston, Canada. Her specialties include thermal management, flow optimization, multiphysics simulation (FEM, CFD), acoustics (tests and analysis), process improvements (lean six sigma), and mechanical test management (RQM).

Multiphysics Modeling Series

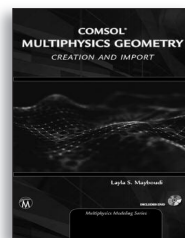
November 2018

150 pp, 7" x 9"

Hardback, 978 1 68392 211 7, \$54.95 (\$7)

E-Book, 978 1 68392 212 4, \$31.95 (\$7)

ENGINEERING/ MODELING



COMSOL Multiphysics Geometry

Creation and Import

Layla Mayboudi

Designed for engineers or COMSOL users who apply COMSOL Multiphysics to their engineering and physics models, the content can be utilized in any discipline that employs geometry creation, modification, and import of other CAD packages (e.g., AutoCAD, CATIA, Solid Edge, Revit, PTC Pro and more). Complex geometries often need to be simplified to make the numerical study feasible and also to save hours of computational time. In other cases, geometry needs to be modified to allow for accurate numerical analysis to be conducted. These issues occur in fields such as aerospace, biomedical, chemical, electrical, mechanical, and petroleum engineering. A companion disc with computer models from the book is included.

Features:

- COMSOL Multiphysics Geometry creation and import modules provide tools to generate, import CAD packages, modify, and repair complex geometries
- Includes coverage of AutoCAD, CATIA, Solid Edge, Revit, PTC Pro and more
- Uses COMSOL Multiphysics 5.3 (may be in conjunction with geometry importers or any other modules)
- Companion disc with models from the book and applications

The Author: Layla Mayboudi is a thermofluid specialist from Kingston, Canada. Her specialties include thermal management, flow optimization, multiphysics simulation (FEM, CFD), acoustics (tests and analysis), process improvements (lean six sigma), and mechanical test management (RQM).

November 2018

Multiphysics Modeling Series

150 pp, 7" x 9"

Cloth, 978 1 68392 213 1, \$54.95 (\$7)

E-Book, 978 1 68392 214 8, \$31.95 (\$7)

ENGINEERING/ MODELING/ MATHEMATICS

Cybersecurity

An Introduction

Sean Westcott and Jean Riescher Westcott

Designed for students and professionals, this text introduces the major concepts of cybersecurity using numerous examples and practical applications. As the field of cybersecurity has moved beyond computer networks and the Internet into phones, the Internet of Things, and autonomous vehicles, it advocates a comprehensive approach to security that emphasizes not only techniques but also the mindset. The book includes an introduction to networks, backups, history of the field, career information, and a glossary of key terms including US government acronyms. Emphasizing the key components of information security, key topics include physical security, communication security, software protection of systems, encryption, intrusion detection, recovery, policies, controls, filtering, firewalls, proxies, security operations centers, quarantines, and sandboxing.

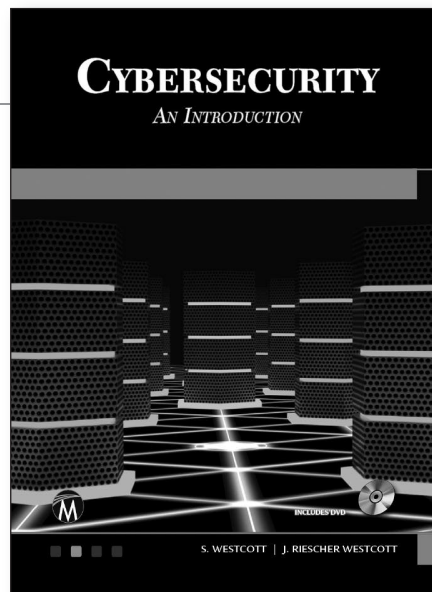
It will meet the recently adopted Cybersecurity Knowledge Area guidance from the ACM Committee for Computing Education in Community Colleges.

Features:

- Examples to help the reader learn to identify suspect activity
- Promotes an approach that emphasizes preparation and prevention while describing the tools and techniques in detection of problems and steps for recovery

Selected Topics:

Physical security, communication security, software protection of systems, encryption, intrusion detection, recovery, policies, controls, filtering, firewalls, proxies, security operations centers, quarantines, sandboxing, networks, backups, a history of the field, career information, and a glossary of key terms including US government acronyms.



November 2018

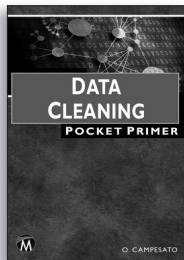
400 pp, 7" x 9"

Paper, 978 1 68392 203 2, \$54.95 (\$7)

E-Book, 978 1 68392 204 9, \$31.95 (\$7)

The Authors: Sean Westcott has worked in electronics, networking and cybersecurity. He is a co-author of *The Complete Idiot's Guide to Electronics 101* (Alpha/Penguin Books) and *Digitally Daunted: The Consumer's Guide to Taking Control of the Electronics in Your Life* (Capital Books). His Twitter handle is @basementhacker. Jean Riescher Westcott has written broadly on technology in books and online.

COMPUTERS/ CYBERSECURITY



Data Cleaning Pocket Primer

Oswald Campesato

As part of the best selling *Pocket Primer* series, this book is an effort to give programmers sufficient knowledge of data cleaning to be able to work on their own projects. It is designed as a practical introduction to using flexible, powerful (and free) Unix / Linux shell commands to perform common data cleaning tasks. The book is packed with realistic examples and numerous commands that illustrate both the syntax and how the commands work together. Companion files with source code are available for downloading from the publisher.

Features:

- A practical introduction to using flexible, powerful (and free) Unix / Linux shell commands to perform common data cleaning tasks
- Includes the concept of piping data between commands, regular expression substitution, and the sed and awk commands
- Packed with realistic examples and numerous commands that illustrate both the syntax and how the commands work together
- Assumes the reader has no prior experience, but the topic is covered comprehensively enough to teach a pro some new tricks
- Includes companion files with all of the source code examples (download from the publisher).

The Author: Oswald Campesato (San Francisco, CA) specializes in D3, Java, Android, and CSS3/SVG graphics. He is the author/co-author of twenty books including *jQuery*, *CSS3*, *HTML5 for Mobile and Desktop Devices*, and *Python Pocket Primer* (Mercury Learning).

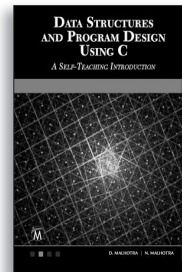
Now Available Pocket Primer

188 pp, 6" x 9"

Paperback, 978 1 68392 217 9, \$39.95 (\$7)

E-Book, 978 1 68392 218 6, \$14.95 (\$7)

COMPUTERS/ PROGRAMMING/ DATA



Data Structures and Program Design Using C

A Self-Teaching Introduction

D. Malhotra and N. Malhotra

Data structures provide a means to manage large amounts of information such as large databases, using SEO, and creating Internet/Web indexing services. The book is designed to present fundamentals of data structures for beginners using the C programming language. Practical analogies using real world applications are integrated throughout the text to explain the technical concepts presented.

Features:

- Covers data structure fundamentals using C
- Numerous tips and practical applications enhance understanding of concepts

Now Available

450 pp, 7" x 9"

Paperback, 978 1 68392 207 0, \$59.95 (\$7)

E-Book, 978 1 68392 208 7, \$35.95 (\$7)

COMPUTERS/ PROGRAMMING/ DATA/ C

Dimensional Analysis for Unit Conversions Using MATLAB

Roger W. Pryor

This book and disc package will accurately convert the numerical values of physical parameters (weights and measures) from both the Inch-Pound Units System to the International Units System (SI) and vice versa, as well as other (CGS, etc.) previously-used unit values. An associated, enhanced MATLAB® Unit Convertor program (MLAPP), developed from the MATLAB® platform, is used to perform the conversions.

The Author: Roger W. Pryor holds 24 patents, primarily in semiconductor devices. He has written four books, the most recent of which is *Multiphysics Modeling Using COMSOL 5 and MATLAB*.

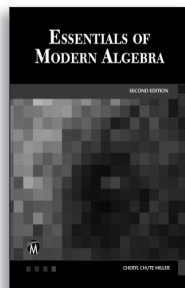
June 2018

150 pp, 6" x 9"

Paperback & CD-ROM, 978 1 68392 242 1, \$79.95 (\$7)

E-Book, 978 1 68392 243 8, \$59.95 (\$7)

ENGINEERING/ MODELING/ MATLAB



Essentials of Modern Algebra

SECOND EDITION

Cheryl Chute Miller

This new edition is intended for the undergraduate one or two semester course in modern algebra, also called abstract algebra. It follows that basic plan, using the

axioms or rules to understand structures such as groups, rings, and fields, and giving the reader examples to help, but leaving many theorems and examples for them to try. The unique feature of the text is the list of "projects" at the end of each chapter that can be used in the classroom (with students solving them), alone, or in groups with the aid of an instructor. Because of their interactive nature, the projects are designed to understand concepts or to lead the student to new ideas they will encounter later.

Features:

- Features a logic-based presentation, with the structures of groups, rings, and fields presented in similar ways through objects, sub-objects, mappings between objects, and quotients of objects
- Follows a fairly straight path without many of the side areas, such as modules, in order to introduce Galois Theory and solvability of polynomials
- Provides numerous examples, additional exercises and the inclusion of "projects" in each chapter
- Instructor's resources available upon adoption

The Author: Cheryl Chute Miller holds a PhD in mathematics from Wesleyan University and is currently a professor of mathematics at SUNY Potsdam. She has over 20 years of teaching experience, has written numerous articles, and has received several awards and grants during her career.

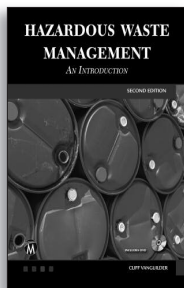
November 2018

400 pp, 7" x 9"

Hardback, 978 1 68392 235 3, \$64.95 (\$7)

E-Book, 978 1 68392 236 0, \$39.95 (\$7)

MATHEMATICS/ ALGEBRA



Hazardous Waste Management

An Introduction

SECOND EDITION

Cliff VanGuilder

Assuming no previous knowledge, this second edition provides comprehensive coverage for a first course in hazardous waste management for civil, environmental engineers, and managers. The update includes material on the new USEPA revisions to the Solid and Hazardous Waste Regulations and the new e-Manifest Rule. It is written primarily for generators of hazardous waste with a primary emphasis on source reduction, waste minimization, reuse, and recycling before waste disposal. Numerous case studies from the field and clarification of regulations simplify this complex topic. The book provides guidance on how to determine the proper category of hazardous waste generators, with separate and distinct sets of requirements for the three different categories of generators, and gives basic supplemental guidance for transporters, storage, and disposal facilities. It covers proper completion of hazardous waste manifests and reports. The book explains record keeping, personnel training, and other requirements necessary to be in full compliance on inspections. A companion CD with regulatory forms, data is included.

Features:

- Provides numerous, field case studies and clarification of new regulations to simplify this complex topic
- Includes material on the new USEPA revisions to the Solid and Hazardous Waste Regulations and the new e-Manifest Rule
- Covers all the major government regulations from inception to current practice
- Explains record keeping, personnel training, and requirements necessary for full compliance on inspections
- Includes companion CD with regulatory forms, data

The Author: Cliff VanGuilder is a licensed Professional Engineer with 20 years of experience as the Regional Solid & Hazardous Materials Engineer for the New York State Department of

Environmental Conservation (NYSDEC). He was certified as a hazardous waste inspector by the United States Environmental Protection Agency (USEPA) and NYSDEC.

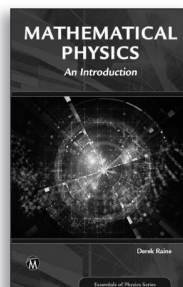
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Hardback & CD-ROM, 978 1 68392 229 2, \$64.95 (\$7)

E-Book, 978 1 68392 230 8, \$37.95 (\$7)

ENVIRONMENTAL SCIENCE/ ENGINEERING



Mathematical Physics

An Introduction

Derek Raine

This book is designed as an introduction to the mathematical concepts used to describe fundamental physics principles.

Numerous examples and applications enable the reader to master complex mathematical concepts needed to define topics such as relativity, mechanics, and electromagnetics.

Features:

- Covers all of the mathematical concepts needed to study physics
- Includes applications in every chapter
- Instructor ancillaries for use as a textbook

The Author: Derek Raine is Director of the Centre for Interdisciplinary Science in the Department of Physics and Astronomy at the University of Leicester. His research has ranged over relativity, quantum field theory, astrophysics, and more recently, biophysics and complex systems.

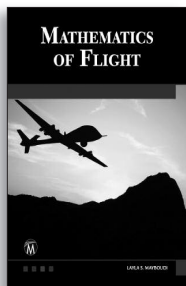
August 2018

500 pp, 7" x 9"

Paper, 978 1 68392 205 6, \$59.95 (\$7)

E-Book, 978 1 68392 206 3, \$35.95 (\$7)

SCIENCE/ PHYSICS



Mathematics of Flight

Layla Mayboudi

This book is intended for aviators or individuals who are interested in application of mathematics in aviation. A reader new to the field working towards their recreational, private, or commercial license and one

already flying a single piston or multi-engine aircraft will both benefit from the content. The book covers aviation mathematics in a variety of subjects, from meteorology to flight mechanics, in an organized, easy-to-understand approach. The book may be used as a reference and includes examples with step-by-step solutions. The eventual goal is to make the flying experience a more enjoyable one by making the flight mathematics-related topics less daunting and more accessible to wider aviation fans.

Features:

- Covers mathematics related to a variety of topics including meteorology, flight performance, climbs, enroute, descents, fuel calculations, flight mechanics, weight and balance, take-off and landing calculations
- Includes examples related to popular aircraft types
- Includes examples with complete solutions and test samples

The Author: Layla Mayboudi is a thermofluid specialist from Kingston, Canada. Her specialties include thermal management, flow optimization, multiphysics simulation (FEM, CFD), acoustics (tests and analysis), process improvements (lean six sigma), and mechanical test management (RQM).

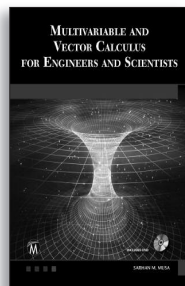
December 2018

350 pp, 7" x 9"

Paperback & CD-ROM, 978 1 68392 215 5, \$59.95 (\$7)

E-Book, 978 1 68392 216 2, \$35.95 (\$7)

ENGINEERING/ AVIATION/ MATHEMATICS



Multivariable and Vector Calculus for Engineers and Scientists

Sarhan M. Musa

Designed for undergraduates in mathematics, engineering, the physical sciences

and for practicing engineers, the book focuses on practical applications of engineering and science used in industry. It first presents the theoretical concepts followed by practical applications of vector calculus, differentiation, and integration. MATLAB examples with source code appear on the companion files.

Features:

- Includes numerous computer illustrations and tutorials using
- Covers the major topics of vector geometry, differentiation, and integration in several variables

The Author: Sarhan M. Musa holds a PhD in electrical engineering and is currently an associate professor in the engineering technology department at Prairie View A&M University, Texas.

September 2018

400 pp, 7" x 9"

Paperback & CD-ROM, 978 1 68392 239 1, \$79.95 (\$7)

E-Book, 978 1 68392 240 7, \$41.95 (\$7)

ENGINEERING/ MATHEMATICS/ CALCULUS



Photoshop Elements 2018

From Novice to Expert

Vickie Ellen Wolper

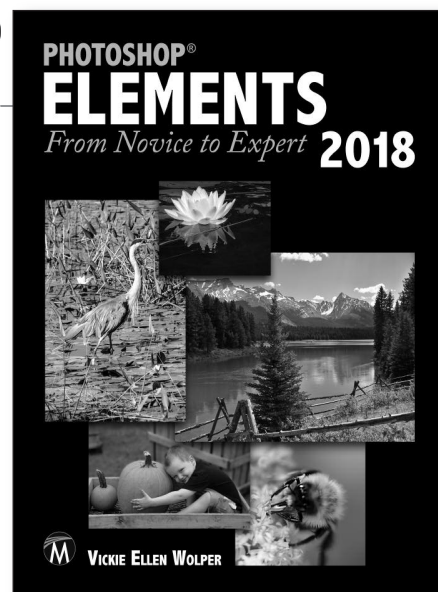
Designed for all photographers from enthusiasts to professionals, this book provides readers with easy to follow, building-block style learning of Photoshop Elements 2018 through hands on projects working in both its Organizer and Photo Editor workspaces.

Divided into two parts using the files supplied or your own, Part One will teach you to easily import, sort, and find your photographs working in the Elements Organizer. When working in Part Two, the Elements Photo Editor, topics include understanding resolution, using Camera Raw, a variety of color and image correction techniques, selection, layers, plus many tricks of the trade, and ways to share photographs both in print and online.

Through projects using each of its modes: Quick, Guided, and Expert, you will gain a comprehensive knowledge of the Photo Editor, allowing you later to choose the mode best suited to your working style and project requirements.

Features:

- Divided into two parts with each dedicated to one of the Photoshop Elements 2018 workspaces, this book enables readers to focus their learning on one workspace or both
- Project photographs are supplied for each chapter to guide readers through the learning process
- Additional supplementary projects and images are provided with each chapter
- Helpful tips and notes in each chapter help to maximize and streamline learning
- Includes a companion DVD with project files and all the figures from the text



October 2018

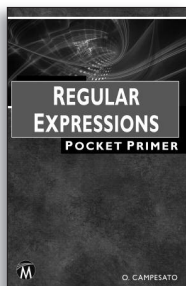
400 pp, 7" x 9"

**Paperback & CD-ROM, 978 1 68392 233 9,
\$54.95 (\$7)**

E-Book, 978 1 68392 234 6, \$31.95 (\$7)

The Author: Vickie Ellen Wolper has been an art educator for over 30 years and is currently an adjunct instructor in graphic design at Hesser College and Manchester College (New Hampshire).

COMPUTER/ GRAPHICS/ PHOTOGRAPHY



Regular Expressions

Pocket Primer

Oswald Campesato

As part of the best-selling *Pocket Primer* series, this book is meant to familiarize readers with regular expressions as part of their data-related tasks. Regular expressions (regex) are used in search engines, search

and replace dialogs of word processors and text editors, in text processing utilities such as sed and awk, and in lexical analysis. Many programming languages provide regex capabilities, either built-in or via libraries. Readers will learn how to use bash commands grep, awk, and sed in order to use regular expressions in conjunction with datasets and data-related tasks. Companion files with source code are available for downloading from the publisher.

Features:

- A practical introduction to using flexible, bash commands to perform common data cleaning tasks
- Assumes the reader has no prior experience, but the topic is covered comprehensively enough to teach a pro some new tricks
- Simple yet powerful shell scripts for data cleaning tasks

The Author: Oswald Campesato (San Francisco, CA) specializes in D3, Java, Android, and CSS3/SVG graphics. He is the author/co-author of twenty books including *jQuery*, *CSS3*, *HTML5 for Mobile and Desktop Devices*, and *Python Pocket Primer* (Mercury Learning).

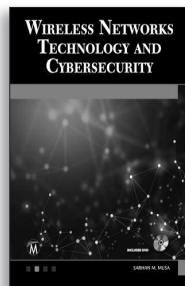
**Now Available
Pocket Primer**

125 pp, 6" x 9"

Paperback, 978 1 68392 227 8, \$34.95 (S7)

E-Book, 978 1 68392 228 5, \$19.95 (S7)

COMPUTER/ PROGRAMMING



Wireless Networks Technology and Cybersecurity

Sarhan M. Musa

Designed for professionals and students of networking and cryptography, this book covers key concepts and issues related to emerging technology, such as the Internet

of Things, WiMax, mobile access, cloud computing, and more. Coverage of the latest protocols for Zigbee, Wibree/Bluetooth is included.

Features:

- Covers emerging technology topics such as Internet of Things, Mobile Access, WiMax, Smart Grid, Cloud Computing, etc.
- Covers latest versions of ZigBee, WiBree/Bluetooth, etc.

The Author: Sarhan M. Musa holds a PhD in electrical engineering and is currently an associate professor in the engineering technology department at Prairie View A&M University, Texas.

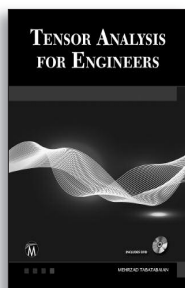
October 2018

450 pp, 7" x 9"

Paperback & CD-ROM, 978 1 68392 231 5, \$69.95 (S7)

E-Book, 978 1 68392 232 2, \$41.95 (S7)

COMPUTERS/ NETWORKS/ CYBERSECURITY/ WIRELESS



Tensor Analysis for Engineers

Mehrzad Tabatabaian

Tensor analysis is used in engineering and science fields. Calculations of physical quantities in different systems of coordinates and transformations are required in scientific computations. This requires the use of mathematical concepts and application software. This book is designed to provide the necessary definitions, formulations, and procedures for tensor analysis and transformations to help engineers and scientists to perform their calculations in arbitrary coordinates systems.

Features:

- Application of AR (augmented reality) to enhance static figures
- Easy to understand mathematical concepts through numerous figures, solved examples, and exercises
- List of gradient-like operators for major systems of coordinates
- Companion disc with applications

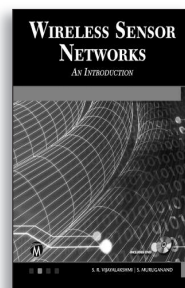
The Author: Mehrzad Tabatabaian holds a PhD from McGill University and is currently the chairman of the Energy Efficiency and Renewable Energy Division at the British Columbia Institute of Technology. He has written numerous journal articles, has registered patents, and currently teaches courses in renewable energy and thermal engineering.

December 2018

Hardback & CD-ROM, 978 1 68392 237 7, \$59.95 (\$7)

E-Book, 978 1 68392 238 4, \$39.95 (\$7)

Engineering/ Mathematics



Wireless Sensor Networks

An Introduction

S. R. Vijayalakshmi and S. Muruganand

Wireless Sensor Networks is an essential guide for anyone interested in wireless communications for sensor networks,

home networking, or device hacking. It covers a large number of topics encountered in the architecture, application, and recent advancements of a wireless sensor network, including hardware and software architectures, the Internet of Things, routing and security, ubiquitous sensor networks, underwater, mobile, and multimedia wireless networks.

Features:

- Includes a wide range of applications to industry, science, transportation, civil infrastructure, and security
- Covers the Internet of Things (IoT) which are technically supported by WSN and other relevant technologies

The Authors: S. R. Vijayalakshmi is a university professor and researcher in the areas of ocean energy and ocean instrumentation. S. Muruganand is a university professor and researcher in the areas of ocean energy and ocean instrumentation.

Now Available

500 pp, 7" x 9"

Paperback, 978 1 68392 225 4, \$59.95 (\$7)

E-Book, 978 1 68392 226 1, \$37.95 (\$7)

COMPUTER SCIENCE/ NETWORKS/ WIRELESS COMMUNICATIONS

HIGHER EDUCATION

Building the Field of Higher Education Engagement

Foundational Ideas and Future Directions

Edited by Lorilee R. Sandmann and Diann O. Jones

Community engagement has evolved as a respected field and now occupies a seat at the academic table. In the past, this work had often been relegated to the institutional fringes of higher education, its practitioners marginalized, and the work often portrayed as service, not scholarly. Today, higher education community engagement is a dynamic and continually evolving field of scholarship and practice that carries ever-increasing academic respect. This book contributes to the ever-under-construction edifice by presenting a scaffolding of the scholarship that has been part of the building process, documenting and analyzing the past, speculating about the future, and framing a continuing conversation about and for the field.

There are three parts to this book designed to promote a continuing field-building conversation: A look back at foundational documents of the field; a set of provocative questions interrogating those foundational works; and a look to the future by the next generation of leaders in the field. The central part is the special 20th anniversary issue of the *Journal of Higher Education Outreach and Engagement*, which brings together key documents of the

scholarship of engagement with reflections on those documents by key scholars and/or the authors of the original works. In addition to highlighting the foundations and evolution of the field, this work also looks ahead to the next generation of voices and views as input to the conversation, with a closing chapter than includes invited essays by nine outstanding community-engaged thinkers and writers of the next 20 years who share their ideas about probable futures.

February 2019**Cloth, 978 1 62036 854 1, \$95.00 (\$5)****Paper, 978 1 62036 855 8, \$39.95 (\$5)****Lib Ebook, 978 1 62036 856 5, \$95.00 (10)****Ebook, 978 1 62036 857 2, \$31.99 (\$9)**

Stylus

**Sandman: University of Georgia
Jones: University of Georgia****Building Transfer Student Pathways for College and Career Success****Edited by Sonya Joseph and Mark Allen Poisel**

Analysis of bachelor's degree completion suggests that only about a third of college graduates attend a single institution from start to finish. More than one quarter earn college credits from three or more schools before completing a degree. For most, these student-defined pathways lead to increased time-to-degree and higher costs. Many will simply drop out long before crossing the finish line. Ensuring college completion and success requires an understanding of the evolving nature of transfer transitions and a system wide approach that reaches beyond

two-year and four-year institutions to include high schools participating in dual enrollment programs and military college initiatives. A new edited collection offers insight into institutional and statewide partnerships that create clearly defined pathways to college graduation and career success for all students.

October 2018**200 pp, 6" x 9"****Lib E-Book, 978 1 942072 28 7, \$95.00 (10)****Paper, 978 1 942072 27 0, \$30.00 (\$5)****E-Book, 978 1 942072 26 3, \$23.99 (\$9)****The Business of Innovating Online**

Practical Tips and Advice from Industry Leaders

Edited by Kathryn E. Linder

The Business of Innovating Online responds to a critical need for concrete narratives of innovation success that can serve as a foundation for administrators and leaders who are in need of practical guidance as they scale and grow their online learning organizations.

Through specific examples and practical suggestions from experienced e-learning leaders, readers will be introduced to concrete strategies for how to create a climate of creativity and innovation that can lead to more successful and scalable online programs and initiatives. It demystifies the relationship between business, creativity, and innovation by describing the logistics

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

required to create an agile online education enterprise.

February 2019

228 pp, 6" x 9"

Cloth, 978 1 62036 842 8, \$95.00 (\$5)

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Paper, 978 1 62036 843 5, \$35.00 (\$5)

E-Book, 978 1 62036 845 9, \$27.99 (\$9)

Stylus

Linder: Oregon State University

Catalyst in Action

Case Studies of High Impact
ePortfolio Practice

Edited by Bret Eynon and Laura M. Gambino

Foreword by Carol Geary Schneider

In 2017, Bret Eynon and Laura M. Gambino released *High Impact ePortfolio Practice*, which drew broad acclaim from faculty and educational leaders. With compelling evidence of the impact of ePortfolio "done well," and a practical framework for educators to follow, this research study quickly led to the formal recognition of ePortfolio as a validated High Impact Practice.

Now, with *Catalyst in Action: Case Studies of High Impact ePortfolio Practice*, Eynon and Gambino have taken the next step. The book offers 20 powerful case studies, drawn from campuses ranging from Bronx Community College to Yale University, from the University of South Carolina, to Dublin University and Arizona State. Teams of faculty and college leaders detail their experiences exploring and testing the Framework on their campuses. Working with diverse groups of students in a broad range

of disciplines and settings, the case study authors put Eynon and Gambino's integrative strategies into practice. *Catalyst in Action* shares their findings and their insights.

September 2018

312 pp, 7" x 10", multiple screen captures

Cloth, 978 1 62036 866 4, \$95.00 (\$5)

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Paper, 978 1 62036 867 1, \$35.00 (\$5)

E-Book, 978 1 62036 869 5, \$27.99 (\$9)

Stylus

Eynon: LaGuardia Community College (NY)

Gambino: Guttman Community College (NY)

The Community Engagement Professional's Guidebook

A Companion to *The Community Engagement Professional in Higher Education*

Lina D. Dostilio and Marshall Welch

Foreword by Andrew J. Seligsohn

This book is a companion guide to Campus Compact's successful publication *The Community Engagement Professional in Higher Education*. In the first text, Campus Compact Research Fellows, led by award-winning scholar-practitioner Lina D. Dostilio, identified a core of set of competencies needed by professionals charged with leading community engaged work on college campuses. In this companion guide, Dostilio teams up with Marshall Welch to build on the initial framework by offering guidance for how a community engagement professional (CEP) should conceptualize, understand, and

develop their practice in each of the original competency areas.

Over 10 chapters the authors address questions for those "brand new to the role" and interested in how to start a community engagement unit or center, or from people who are considering jobs doing the work on a campus, or from individuals "are trying to navigate the political environment on their campuses to expand and deepen their unit's reach."

The *Guidebook* offers a rich and deep dive, breaking down the essential components of a professional's work. From mentoring faculty research, leading campaigns to build civic engagement curriculum on campus, to managing the staff who support community engagement units, Dostilio and Welch tackle the breadth of the CEP's work by drawing on key resources and their own decades of experience in the field. Throughout the book, readers will encounter "Compass Points" that call for personal reflection and engagement with the text. These interactive moments combine with end-of-chapter questions to prompt thinking about a CEP's critical commitments, to create a powerful and engaging toolkit that will be essential for any person doing community and civic engagement work on campus.

December 2018

224 pp, 6" x 9"

Cloth, 978 1 945459 17 7, \$95.00 (\$5)

Lib Ebook, 978 1 945459 19 1, \$95.00 (10)

Paper, 978 1 945459 18 4, \$39.95 (\$5)

Ebook, 978 1 945459 20 7, \$31.99 (\$9)



**Dostilio: University of Pittsburgh
Welch: Saint Mary's College (CA)**

A Concise Guide to Teaching with Desirable Difficulties

Diane Cummings Persellin and Mary Blythe Daniels

Foreword by Mary-Ann Winkelmes

This concise guidebook on desirable difficulties is designed to be a resource for academics who are interested in engaging students according to the findings of peer-reviewed literature and best practices but do not have the time to immerse themselves in the scholarship of teaching and learning.

Intentionally brief, the book is intended to: summarize recent research on five aspects of desirable difficulties; provide applications to the college classroom based on this research; include special sections about teaching strategies that are based on best practices; and offer annotated bibliographies and important citations for faculty who want to pursue additional study. The book will provide a foundation for instructors to teach using evidence-based strategies that will strengthen learning and retention in their classrooms.

In addition to chapters on the desirable difficulties, the book also includes chapters on teaching first-year and at-risk students to embrace this approach, on negotiating student resistance, and on using this approach in teaching online.

November 2018

120 pp, 6" x 9"

Cloth, 978 1 62036 500 7, \$95.00 (\$5)

Lib E-Book, 978 1 62036 502 1, \$95.00 (10)

Paper, 978 1 62036 501 4, \$24.95 (\$5)

E-Book, 978 1 62036 503 8, \$19.99 (\$9)

Stylus

**Persellin: Trinity University (TX)
Daniels: Centre College (KY)**

Course-Based Undergraduate Research

Educational Equity and High-Impact Practice

Edited by Nancy H. Hensel

Foreword by Cathy N. Davidson

Undergraduate research has long been recognized as a high-impact practice (HIP), but has unfortunately been offered only to juniors and seniors, and very few of them (often in summer programs). This book shows how to engage students in authentic research experiences, built into the design of courses in the first two years, thus making the experience available to a much greater number of students.

Research that is embedded in a course, especially general education courses, addresses the issue of how to expand undergraduate research to all students. Research has shown that students who have early experiences in undergraduate research are more likely to pursue further research prior to and after graduation. This is also an issue of social justice because it makes the benefits of undergraduate research available to students who must work during the academic year and in the summer. It is widely accepted that the skills developed through undergraduate research help prepare students for their future careers.

July 2018

264 pp, 6" x 9", figures, tables & boxes

Cloth, 978 1 62036 779 7, \$95.00 (\$5)

Lib E-Book, 978 1 62036 781 0, \$95.00 (10)

Paper, 978 1 62036 780 3, \$35.00 (\$5)

E-Book, 978 1 62036 782 7, \$27.99 (\$9)

Stylus

Debunking the Myth of Job Fit in Higher Education and Student Affairs

**Edited by Brian J. Reece, Vu T. Tran,
Elliott N. DeVore and Gabby Porcaro**

This groundbreaking book examines a concept that has gone unexamined for too long: The concept of "job fit" in the student affairs profession. Fit is a term used by nearly everyone in student affairs throughout the hiring process, from search committees and hiring managers to supervisors and HR professionals. This book opens a conversation about the use of "job fit" as a tool for exclusion that needs to be critically investigated from multiple standpoints.

Challenging the norms and rhetoric about job fit in student affairs means that scholars and practitioners alike must be able to incorporate this topic explicitly into various aspects of the profession.

November 2018

264 pp, 6" x 9"

Cloth, 978 1 62036 787 2, \$95.00 (\$5)

Lib E-Book, 978 1 62036 789 6, \$95.00 (10)

Paper, 978 1 62036 788 9, \$35.00 (\$5)

E-Book, 978 1 62036 790 2, \$27.99 (\$9)

Stylus

Reece: Colgate University

Tran: Michigan State University

DeVore: University of Tennessee

Porcaro: Roger Williams University

Fraternities and Sororities in the Contemporary Era

A Pendulum of Tolerance

Edited by Pietro A. Sasso and Joseph L. DeVitis

Fraternities & Sororities in the Contemporary Era examines the issues and challenges pertaining to the American college fraternity/sorority community on American college campuses, otherwise known as "Greek life." The text argues for its continuing relevance despite widespread media criticism. The authors of this volume claim that fraternities and sororities offer opportunities for a sense of belonging, student success, and social support systems for mental health. In particular, they can afford feelings of mutual identity and community service benefits. This text also provides an alternative counternarrative by providing a brief history of the academy's relationship with "Greek life" and provide examples where the latter is no longer relevant to university ideals in which residential functions and developmental gains can be replicated by other campus programs and initiatives. This volume concludes that for fraternities and sororities to continue, parent or host institutions will need to exert greater jurisdiction and accountability through certified advisors, additional supervision, and measured on outcomes focused primarily on student learning.

October 2018**Culture and Society in Higher Education**
300 pp, 7" x 10"**Cloth, 978 1 975500 31 3, \$179.95 (\$5)****Lib E-Book, 978 1 975500 33 7, \$179.95 (10)****E-Book, 978 1 975500 34 4, \$55.95 (\$9)****Paper, 978 1 975500 32 0, \$55.95 (\$5)****Sasso: Southern Illinois University
Edwardsville****A Guide to Collaborative Communication for Service-Learning and Community Engagement Partners****Rebecca Dumlao****Foreword by Cathy Burack**

This book is addressed to partners at all levels focused on community engagement and service-learning. It is intended for preparing college students to work more effectively in the community, as well as for workshops for community and campus members who work with service-learning students. It can equally be used in leadership workshops in academic and community settings. Scholars, students, or community members involved in community engaged research will also find useable ideas for their work.

The appendices offer an annotated bibliography of useful resources and provide readers with a repertoire of activities for building a collaborative communication repertoire.

August 2018**192 pp, 6" x 9", 10 tables & figures****Cloth, 978 1 62036 107 8, \$95.00 (\$5)****Lib E-Book, 978 1 62036 109 2, \$95.00 (10)****Paper, 978 1 62036 108 5, \$27.50 (\$5)****E-Book, 978 1 62036 110 8, \$21.99 (\$9)****Dumlao: East Carolina University****High-Impact Practices Online**

Research and Best Practices

**Edited by Kathryn E. Linder and
Chrysanthemum M. Hayes**

This volume offers the first comprehensive guide to how HIPs are being implemented in online environments and how HIPs can be adjusted to meet the needs of online learners. This multi-disciplinary approach will assist faculty and administrators to effectively implement HIPs in distance education courses and online programs. A primary goal of *High-Impact Practices Online* is to share the ways in which HIPs may need to be amended to meet the needs of online learners. Through specific examples and practical suggestions in each chapter, readers are introduced to concrete strategies for transitioning HIPs to the online environment that can be utilized across a range of disciplines and institution types. Each chapter of also references the most recent and relevant literature on each HIP so that readers are brought up to date on what makes online HIPs successful.

July 2018**264 pp, 6" x 9", figures & tables****Cloth, 978 1 62036 846 6, \$95.00 (\$5)****Lib E-Book, 978 1 62036 848 0, \$95.00 (10)****Paper, 978 1 62036 847 3, \$35.00 (\$5)****E-Book, 978 1 62036 849 7, \$27.99 (\$9)****Linder: Oregon State University**

Leading Internationalization

A Handbook for International Education Leaders

Edited by Darla K. Deardorff and Harvey Charles

Foreword by E. Gordon Gee

Afterword by Allan Goodman

What do university leaders need to know and be able to do to internationalize their institutions? This volume provides senior professionals in international education, increasingly known as Senior International Officers (SIOs), with the foundational knowledge that informs leadership practices, together with suggested strategies for implementing and developing the wide range of functions, activities and skills associated with comprehensive internationalization that will ensure effective support for their institutions' educational mission in today's globalized and interdependent world.

June 2018

Co-published with AIEA.

156 pp, 6" x 9", figures

Cloth, 978 1 62036 783 4, \$95.00 (\$5)

Lib E-Book, 978 1 62036 785 8, \$95.00 (10)

Paper, 978 1 62036 784 1, \$29.95 (\$5)

E-Book, 978 1 62036 786 5, \$23.99 (\$9)

Stylus

Deardorff: Duke University

Charles: SUNY-Albany

Learning to Collaborate, Collaborating to Learn

Practical Guidance for Online and Classroom Instruction

Janet Salmons

Foreword by Lynn Wilson

Students who know how to collaborate successfully in the classroom will be better prepared for professional success in a world where we are expected to work well with others. Students learn collaboratively, and acquire the skills needed to organize and complete collaborative work, when they participate in thoughtfully-designed learning activities.

Learning to Collaborate, Collaborating to Learn is a professional guide intended for faculty, curriculum planners, or instructional designers who want to design, teach, facilitate, and assess collaborative learning. The book covers the use of information and communication technology tools by collaborative partners who may or may not be co-located. As such, the book will be appropriate for all-online, blended learning, or conventional classrooms that infuse technology with "flipped" instructional techniques.

January 2019

224 pp, 6" x 9"

Cloth, 978 1 62036 804 6, \$95.00 (\$5)

Lib E-Book, 978 1 62036 806 0, \$95.00 (10)

Paper, 978 1 62036 805 3, \$29.95 (\$5)

E-Book, 978 1 62036 807 7, \$23.99 (\$9)

Stylus

Making Research Public in Troubled Times

Pedagogy, Activism, and Critical Obligations

Edited by Julianne Cheek and M. Francyne Huckaby

These are certainly troubled times in which neoliberal capitalist patriarchy and the tyranny of racism and domination are continually reinscribed on the bodies and lives of so many. However, critical researchers understand the necessity for, as well as the difficulty of, using research to facilitate public transformations that lead to increased justice and equity. The authors contributing to *Making Research Public in Troubled Times* recognize the importance of diverse pedagogies, activism, and ethical choices regarding an environment that supports critical research in such oppressive times.

Diverse pedagogies that can facilitate the education of critical public researchers across disciplines are illustrated in the first set of chapters addressing questions like: What is important in teaching critical qualitative inquiry? How do students, materials, histories, and the public influence this teaching? What have we learned over years of attempting to teach critical qualitative research methods? The authors in the second section are activist local scholars sharing their projects and explaining what this work means for critical qualitative inquiry. This work includes methods used to incorporate critical qualitative inquiry into community activism. Finally, chapters in the last section

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

focus on future steps and most important actions for the ways critical qualitative inquiry can be conceptualized to address concerns in these troubled times.

September 2018

Qualitative Inquiry: Critical Ethics, Justice, and Activism 2

200 pp, 6" x 9"

Cloth, 978 1 975500 27 6, \$149.95 (\$5)

Lib E-Book, 978 1 975500 29 0, \$149.95 (10)

E-Book, 978 1 975500 30 6, \$42.95 (\$9)

Paper, 978 1 975500 28 3, \$42.95 (\$5)



Huckaby: Texas Christian University

Outcomes-Based Program Review

Closing Achievement Gaps In and Outside the Classroom with Alignment to Predictive Analytics and Performance Metrics

SECOND EDITION

Marilee J. Bresciani Ludvik

Foreword by Ralph Wolff

Second Edition of *Outcomes-Based Academic and Co-Curricular Program Review*

This book introduces the reader to the principles of assessment of student learning outcomes in the context of program review, and illustrates how to implement a sustainable outcomes-based assessment program review process based on over 30 case studies of exemplary practice across a range of institutional types.

Since publication of the first edition just over a decade ago, the landscape of higher education has been transformed. With the

emergence of competency-based education, the questioning of the value of a post-secondary degree, the explosion of neuroscientific research, the emphasis on metacognition, as well as demographic changes in who is going to college and why, new questions are being asked and new methods of collecting data have multiplied. This new edition retains the goals of the first, which is to inform institutional self-reflection of how well the organization is achieving its intended purpose, in a manner that is reflective, adaptive, and collaborative, but which recognizes today's changed environment.

October 2018

264 pp, 6" x 9", 11 figures

Cloth, 978 1 62036 229 7, \$95.00 (\$5)

Lib E-Book, 978 1 62036 231 0, \$95.00 (10)

Paper, 978 1 62036 230 3, \$35.00 (\$5)

E-Book, 978 1 62036 232 7, \$27.99 (\$9)



Ludvik: San Diego State University

POGIL

An Introduction to Process Oriented Guided Inquiry Learning for Those Who Wish to Empower Learners

Edited by Shawn R. Simonson

Process Oriented Guided Inquiry Learning (POGIL) is a pedagogy that is based on research on how people learn and has been shown to lead to better student outcomes in many contexts and in a variety of academic disciplines. Beyond facilitating students' mastery of a discipline, it promotes vital educational outcomes such as communication skills and critical thinking. Its

active international community of practitioners provides accessible educational development and support for anyone developing related courses.

Having started as a process developed by a group of chemistry professors focused on helping their students better grasp the concepts of general chemistry, The POGIL Project has grown into a dynamic organization of committed instructors who help each other transform classrooms and improve student success, develop curricular materials to assist this process, conduct research expanding what is known about learning and teaching, and provide professional development and collegiality from elementary teachers to college professors. As a pedagogy it has been shown to be effective in a variety of content areas and at different educational levels. This is an introduction to the process and the community.

January 2019

376 pp, 6" x 9"

Cloth, 978 1 62036 543 4, \$95.00 (\$5)

Lib E-Book, 978 1 62036 545 8, \$95.00 (10)

Paper, 978 1 62036 544 1, \$37.50 (\$5)

E-Book, 978 1 62036 546 5, \$30.99 (\$9)



Simonson: Boise State University

Practical Wisdom

17-1/2 Essays on Governing Colleges and Universities

Peter D. Eckel and Cathy A. Trower
Foreword by Richard Chait

This series of essays written for trustees and administrative leaders of universities and colleges draws on the authors' extensive consulting experience, research into the dynamics of boards, and service as trustees, to focus on practical insights that will help readers improve governance. The authors have contributed a series of essays on governing well to *Inside Higher Education*, which formed the inspiration for this volume.

The primary aim of the book is to provide insight that boards can use to enhance their governing practices. Our take is not a "how to do" book but rather one on "how to think." Our basic premise is that too many boards are underperforming because they adopt or continue ineffective practices. However, thinking in more intentional if not new ways about not only what they do as boards, but how they go about their efforts, will help boards add value to the institutions and state systems they govern. We use thought provoking titles and a conversational tone to engage the readers, get them to reflect on their work, and broaden their horizons.

The Authors: Peter D. Eckel teaches governance, management and strategy in the Executive Doctorate in Higher Education Management at the University of Pennsylvania's Graduate School of Education. HE served for 3 years as VP for Programs and Research at the Association of Governing Boards of Universities and Colleges (AGB). Cathy A. Trower is President of Trower & Trower, Inc., a board governance consulting firm. Formerly Research Director at the Harvard Graduate School of Education, Trower studied academic leadership, shared governance, and other issues for sixteen years.

November 2018
228 pp, 6" x 9"
Cloth, 978 1 62036 838 1, \$95.00 (\$5)
Lib Ebook, 978 1 62036 840 4, \$95.00 (10)
Paper, 978 1 62036 839 8, \$32.00 (\$5)
Ebook, 978 1 62036 841 1, \$25.99 (\$9)

Stylus

Eckel: University of Pennsylvania

Project-Based Learning in the First Year

Beyond All Expectations

Edited by Kristin K. Wobbe and Elisabeth A. Stoddard
Foreword by Randall Bass

This book has two goals: First, to show the value of significant project-based work for first-year undergraduate students; and Second, to share how to introduce this work

into first year programs. The authors spend the bulk of the book sharing what they have learned about this practice, including details about the administrative support and logistics required. They have also included sample syllabi, assignments and assessments, and classroom activities.

The projects are applicable in a liberal arts education, in engineering programs, in two and four year colleges, in public and private universities—any institution with first year undergraduate students that wants to actively engage them in understanding and solving real-world problems through project work. Evidence shows that project-based learning, with real world, team-based educational experiences, increases the engagement and retention rate of underserved students. Introducing project-based learning in the first year can set the stage for incorporating the culture and practice of inclusive excellence as foundation for learning on college and university campuses.

February 2019
348 pp, 6" x 9"
Cloth, 978 1 62036 688 2, \$95.00 (\$5)
Lib Ebook, 978 1 62036 690 5, \$95.00 (10)
Paper, 978 1 62036 689 9, \$37.50 (\$5)
Ebook, 978 1 62036 691 2, \$29.99 (\$9)

Stylus

Wobbe: Worcester Polytechnic Institute
Stoddard: Worcester Polytechnic Institute

ACADEMIC AND PROFESSIONAL TITLES

Reconceptualizing Faculty Development in Service-Learning/Community Engagement

Exploring Intersections, Frameworks, and Models of Practice

Edited by Becca Berkey, Cara Meixner, Patrick M. Green and Emily Eddins

The role of educational developer in the realm of service-learning and community engagement (S-LCE) is multidimensional. Given the potentially transformational nature—for both faculty and students—of the experiences and courses in whose design they may be directly or indirectly involved, as well as their responsibility to the communities served by these initiatives, they have to be particularly attentive to issues of identity, values, and roles. As both practitioners and facilitators, they are often positioned as third-space professionals.

This edited volume provides educational developers and community engagement professionals an analysis of approaches to faculty development around service-learning and community engagement. Using an openly self-reflective approach, the contributors to this volume offer an array of examples and models, as well as realistic strategies, to empower readers to evolve their faculty development efforts in service-learning and community engagement on

their respective campuses.

July 2018

348 pp, 6" x 9"

Cloth, 978 1 62036 612 7, \$95.00 (\$5)

Lib E-Book, 978 1 62036 614 1, \$95.00 (10)

Paper, 978 1 62036 613 4, \$35.00 (\$5)

E-Book, 978 1 62036 615 8, \$27.99 (\$9)

Stylus

**Berkey: Northeastern University
Meixner: James Madison University
Green: Loyola University, Chicago
Eddins: Old Dominion University**

Reframing Space for Learning

Empowering Excellence and Innovation in University Teaching and Learning

Edited by Tim Bilham, Claire Hamshire, Mary Hartog and Martina A. Doolan

The concept, use and experience of “space” in higher education have a deep influence on students and teachers. *Reframing Space for Learning* uniquely explores space as both a “learning place” that may be physical, virtual, in work or in the field, and a “belonging space” in which all learners can learn, engage, and develop individually and collectively. The book describes and analyzes how a number of National Teaching Fellows have developed innovative ways of using

place and space for learning across disciplines in higher education. In so doing, they provide practical ideas, inspiration and solutions for practitioners responsible for delivering learning in spaces within and outside universities, nationally and internationally. The National Teaching Fellowship scheme celebrates and recognizes individuals who have made an outstanding impact on student outcomes and the student profession in higher education. It is awarded by the Higher Education Academy in the UK.

November 2018

232 pp, 6 1/8" x 9 1/5"

Paper, 978 1 78277 246 0, \$37.95 (\$5)

IOE Press

SoTL in Action

Illuminating Critical Moments of Practice

**Edited by Nancy L. Chick
Foreword by James Rhem**

What are the foundational moments of meaningful scholarship of teaching and learning (SoTL) projects? How do teacher-scholars collect, develop, and share useful insights about student learning? How do they work through the pinch points that frustrate, confuse, or elude many SoTL practitioners? By unpacking SoTL processes through rich narratives that illustrate what they look like,

this collection offers inspiration to anyone at any stage of engagement with SoTL.

This book takes discussions of SoTL to a new level. Its subtitle reflects the microscopic lenses SoTL processes can apply to student learning experiences to understand how they happen, what they look like, what they mean, and what we can do about them. Going beyond definitions, how-to, theory, and debates about methods and standards, the contributors offer a SoTL primer documenting how practitioners have intentionally thought through key moments in their work. These procedural vignettes present powerful examples of what doing SoTL looks like when done well.

September 2018

196 pp, 6" x 9", figures, tables & boxes

Cloth, 978 1 62036 692 9, \$95.00 (\$5)

Lib E-Book, 978 1 62036 694 3, \$95.00 (10)

Paper, 978 1 62036 693 6, \$32.50 (\$5)

E-Book, 978 1 62036 695 0, \$25.99 (\$9)

Stylus

Chick: University of Calgary

Speaking Out Against Racism in the University Space

Shiren Housee

This book yields valuable new insights into race and racism in higher education institutions. The powerful combination of accounts by minoritized students of their experiences and views, the frame of analysis based on Critical Race Theory, and the personal affinity and empathy of the author with her students, reveal the institutionalized structures, bigoted opinions and insidious

discrimination that prevail. Yet universities should be challenging racism and Islamophobia, particularly when it is rising and spreading. The book shows how they can examine their staff and student recruitment, investigate their teaching methods and policies, and decolonize their curricula. How we listen to the student voice, and the spaces the university provides for minoritized students to speak freely are the first steps to making institutions of higher education truly inclusive - the domain of social justice.

July 2018

148 pp, 6 1/8" x 9 1/5"

Paper, 978 1 85856 869 0, \$32.95 (\$5)

tb
Tremblay Books

The Student Companion to Community-Engaged Learning

What You Need to Know for Transformative Learning and Real Social Change

David M. Donahue and Star Plaxton-Moore

Foreword by Tania Mitchell

Afterword by Chris Nayve

This compact, accessibly written text prepares students for their experience of community-based learning.

It is designed for students to read and reflect on independently or to foster discussion in class on their motivations and dispositions toward community engagement and service learning. It prepares students to work with diverse individuals, groups, and organizations that may be outside their prior

experience. Faculty can use the book as a tool to deepen the educational experience of the course and enrich community engagement.

July 2018

132 pp, 5 1/2" x 8 1/4"

Cloth, 978 1 62036 648 6, \$95.00 (\$5)

Lib E-Book, 978 1 62036 650 9, \$95.00 (10)

Paper, 978 1 62036 649 3, \$18.95 (\$1)

E-Book, 978 1 62036 651 6, \$14.99 (\$9)

Stylus

**Donahue: University of San Francisco
Plaxton-Moore: University of San Francisco**

Success After Tenure

Supporting Mid-Career Faculty

Edited by Vicki L. Baker, Laura Gail Lunsford, Gretchen Neisler, Meghan J. Pifer and Aimee LaPointe Terosky
Foreword by Mary Deane Sorcinelli

This book brings together leading practitioners and scholars engaged in professional development programming for and research on mid-career faculty members. The chapters focus on key areas of career development and advancement that can enhance both individual growth and institutional change to better support mid-career faculties.

The mid-career stage is the longest segment of the faculty career and it contains the largest cohort of faculty. Also, mid-career faculty are tasked with being the next generation of faculty leaders and mentors on their respective campuses, with little to no supports to do so effectively, at a time when

(continued overleaf)

higher education continues to face unprecedented challenges while managing the continued goal of diversifying both the student and faculty bodies.

October 2018

372 pp, 6" x 9"

Cloth, 978 1 62036 680 6, \$95.00 (\$5)

Lib E-Book, 978 1 62036 682 0, \$95.00 (10)

Paper, 978 1 62036 681 3, \$35.00 (\$5)

E-Book, 978 1 62036 683 7, \$27.99 (\$9)

Stylus

Baker: Albion College (MI)

Lunsford: UNC Wilmington

Neisler: Michigan State University

Pifer: University of Louisville

Terosky: St. Joseph's University (PA)

Teaching as the Art of Staging

A Scenario-Based College Pedagogy in Action

Anthony Weston and Peter Felten

College teachers all too often still play Sage on the Stage – lecturing to rooms full of passive and supposedly absorbed students. The cutting-edge opposite is still supposed to be the Guide on the Side – facilitating wherever students themselves are already going, mentoring and coaching them along the way. But who says that these are the only – or the best – alternatives? This book advances another and sharply different model: the Impresario with a Scenario, a teacher who serves as class mobilizer, improviser, and energizer, staging dramatic, often unexpected and self-unfolding learning challenges and adventures with students.

In this book, the author argues that to pose a single alternative to lecturing is

profoundly limiting. In fact, he says there is no reason to have to choose between "student-centered" and "teacher-centered" pedagogies. The best ways to teach and learn are both. The same applies to the false choice between "active" students and "active" teachers – there can be more than enough activity for everyone. In particular, the author argues that we need a model in which the teacher is notably pro-active – a kind of activity for which certain theatrical metaphors seem especially appropriate.

November 2018

264 pp, 6" x 9", 5 tables

Cloth, 978 1 62036 520 5, \$95.00 (\$5)

Lib E-Book, 978 1 62036 522 9, \$95.00 (10)

Paper, 978 1 62036 521 2, \$29.95 (\$5)

E-Book, 978 1 62036 523 6, \$23.99 (\$9)

Stylus

Weston: Elon University

Felten: Elon University

Toward Quality Assurance and Excellence in Higher Education

Ahmed Odeh Al Jaber and Haifaa Omar Elayyan

Quality Assurance is not a new concept in the education sector in general, and higher education in particular, though it is becoming increasingly more relevant and important. Higher education helps to improve an individual's quality of life by enabling them to increase their knowledge and expertise, to grasp abstract concepts and theories, and to raise their awareness of the world and their community, and as such the assurance of quality is becoming more pivotal in the

whole education process.

The book also presents a new model of excellence in higher education. Excellence is an architecture of building blocks that includes process performance, effectiveness, harmony and collaboration, and these blocks should be incorporated in a quality-oriented concept for sustainable excellence of higher education. The model integrates four main facets: the Educational System, Quality Assurance Managing and Control, Strategic Planning and Globalization. Also presented are international "best-practices" in quality assurance in higher education, from Japan and Finland.

June 2018

River Publishers Series in Innovation and Change in Education - Cross-cultural Perspective

490 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 55 6, \$110.00 (\$6)

 **River Publishers**

EDUCATION

Arts-Based Methods in Education Around the World

Edited by Xiangyun Du and Tatiana Chemi

Arts-Based Methods in Education Around the World investigates arts-based encounters in educational settings in response to a global need for studies that connect the cultural, inter-cultural, cross-cultural, and global elements of arts-based methods in education. In this extraordinary collection, contributions are collected from experts all over the world and involve a multiplicity of

arts genres and traditions. These contributions bring together diverse cultural and educational perspectives and include a large variety of artistic genres and research methodologies.

Topics include: arts-based education, artistry in teaching, art performance, drama, inspiration, reflection, student participation, culture, arts, and creativity.

Now Available

River Publishers Series in Innovation and Change in Education - Cross-cultural Perspective

230 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 38 9, \$90.00 (\$6)

Lib E-Book, 978 87 93609 37 2, \$67.50 (10)



Catalyst

An evidence-informed, collaborative professional learning resource for teacher leaders and other leaders working within and across schools

Louise Stoll, Carol Taylor, Karen Spence-Thomas and Chris Brown

Catalyst is designed to support and promote the change, professional learning and development of groups of teacher leaders, both within and across schools. It consists of two sets of evidence-informed resource cards and a clear and detailed facilitator guide.

Catalyst is designed for schools in all contexts and across all student age groups. It is for use by and with middle leaders and other teacher leaders within and across schools, and the senior leaders who support teacher/middle leaders. Middle leaders have a formal role, with responsibilities for a subject, cross-curricular aspect of teaching

and learning, social development of students, or for a stage or phase of schooling. Teacher leaders are informal leaders. Teaching is central for them, but they also choose to play a collaborative role in leading change and supporting the professional learning of colleagues in their school and other schools.

Now Available

100 pp, 5 4/5" x 8 1/4"

Set, 978 1 78277 245 3, \$49.95 (\$5)



Childhoods

Critical Standpoints and Entangled Relations

Gaile S. Cannella

For over 30 years, critical scholars and educators have challenged the dualistic thinking that reinforces an adult/child dichotomy and the normative bias in human development knowledge. Yet, those who are younger continue to be represented, often controlled, and objectified by self labeled "adults," who purposely or unconsciously function as developmental expert, all knowing educator, academic, researcher, theorist, parent, politician, or capitalist. This book overviews this history as well as the contemporary global colonial past present in which those who are younger live. Further, the states of marginalization, invisibility, and erasure experienced by many are discussed. From within this context, various critical practices are emerging that attempt to create conditions that would increase equity and justice for children. This volume discusses these actions including acknowledging that justice for those who are younger will likely

never occur without attention to the more than human and the world more broadly.

December 2018

Early Years and Youth Studies

200 pp, 7" x 10"

Cloth, 978 1 975500 23 8, \$149.95 (\$5)

Lib E-Book, 978 1 975500 25 2, \$149.95 (10)

E-Book, 978 1 975500 26 9, \$42.95 (\$9)

Paper, 978 1 975500 24 5, \$42.95 (\$5)



Cannella: University of Georgia

Diversity in Teacher Education in England

A Study of a School-led System

Edited by Nicholas Sorensen

Findings of the Diversity in Teacher Education (DiTE) research program undertaken between 2014 and 2017 demonstrate the remarkable and rapid changes taking place in the landscape of teacher education in England. Drawing on empirical research the book offers a unique insight into the impact of teacher education on the day-to-day situation in schools. The DiTE project follows a similar investigation undertaken in the 1990s on the Modes of Teacher Education project and two of the key researchers involved, Caroline Whiting and Geoff Whitty, are part of the DiTE team.

December 2018

208 pp, 6 1/8" x 9 1/5"

Paper, 978 1 78277 252 1, \$37.95 (\$5)



Employing Critical Qualitative Inquiry to Mount Non-Violent Resistance

Yvonna S. Lincoln and Gaile S. Cannella

Employing Critical Qualitative Inquiry to Mount Non-Violent Resistance engages researchers with the notion of Critical Qualitative Inquiry (CQI) as a direct practice of resistance. First, the authors define CQI and its criticisms; provide an in-depth examination of the contemporary neoliberal, capitalist patriarchal condition as requiring immediate resistance within research locations; and discuss the theories/perspectives that have been historically and are contemporarily useful for challenging forms of domination. Specific examples of CQI as resistance in response to a particular neoliberal, patriarchal, whitelash event are then provided by a range of contributing authors. Finally, Lincoln and Cannella address future research practices focusing on how we make present and useful the historical scholarship, actions, and struggles of those who have come before; how we use emergent perspectives to construct new ways to challenge sexism, racism, and other forms of injustice that continue to harm and destroy; and actions that can emerge through research that lead to transformation more broadly toward a more just world.

December 2018

Qualitative Inquiry: Critical Ethics, Justice, and Activism

215 pp, 6" x 9"

Cloth, 978 1 975500 43 6, \$149.95 (\$5)

Lib E-Book, 978 1 975500 45 0, \$149.95 (10)

E-Book, 978 1 975500 46 7, \$42.95 (\$9)

Paper, 978 1 975500 44 3, \$42.95 (\$5)



**Lincoln: Texas A&M University
Cannella: University of Georgia**

Equalities and Inequalities in the English Education System

David Scott and Ben Scott

This book is about social categories such as gender, race, dis-ability, intelligence, sexuality and class, as they are used in education. Knowledge of and about them and their effects is central to how we can understand society, equalities and inequalities within it, and educational relations. The evidence to support the claims being made in this book are traces and footprints about educational events, happenings and experiences.

However, these claims have the potential to allow us to develop understandings of those ever-changing mechanisms of gender, class, dis-ability, intelligence, race and sexuality that constitute our lives. The aim of this book is to develop a more coherent account of how these social and educational mechanisms work in society. There is no more important task in the field of education than this, and one that has the potential to transform our understandings of these matters and hence our educational practices.

Now Available

172 pp, 6 1/8" x 9 1/5"

Paper, 978 1 85856 827 0, \$32.95 (\$5)



Homework

The Evidence

Susan Hallam and Lynne Rogers

Homework is not new. Since the mid-nineteenth century it has been used to supplement the school curriculum, moving in and out of fashion according to the political climate. Pupils do not enjoy doing homework, but they believe that it is important in helping them do well at school. What is the evidence for the effectiveness of homework? Susan Hallam's extensive review of the literature on homework starts with a brief overview of the history, nature and purpose of homework and then reviews research on its effect on pupils' attainment. She then describes the findings of studies that compare homework with no homework or with supervised homework, and international and UK studies looking at the relationships between time spent on homework and attainment. Further chapters explore different types of homework and their effects and teachers', pupils' and parents' perspectives on homework. The final chapter considers the future of homework, including interventions to support pupils, and proposes a model providing a framework for thinking about homework. On balance it seems likely that children will still be asked to undertake homework, but schools must take the lead in redefining the homework agenda and putting student learning at its center.

August 2018

192 pp, 6 1/8" x 9 1/5"

Paper, 978 1 78277 247 7, \$41.95 (\$5)



Let's Chat—Cultivating Community University Dialogue

A Coffee Table Textbook on Partnerships

Suzanne SooHoo, Patricia R. Huerta, Patricia R. Perales Huerta-Meza, Timothy D. Bolin and Kevin J. Stockbridge

From the home of the Paulo Freire Democratic Project and non-profit community organization Padres Unidos, the Chapman University Padres Unidos Partnership presents this truly unique book, *Let's Chat: Cultivating Community University Dialogue – A Coffee Table Textbook on Partnerships*. It presents a collection of community stories, concepts and analyses that highlight the journey of border crossings between two co-existing neighbors: a non-profit community organization and a university. Stories from community residents and faculty members represent how they disrupted the barriers that typically divide us by reconceptualizing how universities and communities can work together to reshape the intellectual landscape and reconfigure power differentials.

Written with and by the community, this book represents a break-away genre that privileges the “voices of the people” (Freire), accompanied by academic voices, in a format that is accessible, aesthetic and attractive to both community and university audiences. Cafecitos punctuate each chapter to elicit dialogue, reflection and action towards defining and developing community university partnerships.

November 2018

148 pp, 10" x 10"

Cloth, 978 1 975500 39 9, \$89.95 (\$5)

Lib E-Book, 978 1 975500 41 2, \$89.95

(10)

E-Book, 978 1 975500 42 9, \$49.95 (\$9)

Paper, 978 1 975500 40 5, \$49.95 (\$5)



Stockbridge: Chapman University (CA)

Machine Learning and Human Intelligence

Rosemary Luckin

Intelligence is at the heart of what makes us human, but the methods we use for identifying, talking about and valuing human intelligence are impoverished. We invest artificial intelligence (AI) with qualities it does not have and, in so doing, risk losing the capacity for education to pass on the emotional, collaborative, sensory and self-effective aspects of human intelligence that define us. To address this, Rosemary Luckin, leading expert in the application of AI in education, proposes a framework for understanding the complexity of human intelligence. She identifies the comparative limitation of AI when analyzed using the same framework, and offers clear-sighted recommendations for how educators can draw on what AI does best to nurture and expand our human capabilities.

July 2018

164 pp, 6 1/8" x 9 1/5"

Paper, 978 1 78277 251 4, \$0.00 (\$5)



The New Henry Giroux Reader

The Role of the Public Intellectual in a Time of Tyranny

Edited by Jennifer A. Sandlin and Steven J. Burdick

The New Henry Giroux Reader presents Henry Giroux's evolving body of work. The book articulates a crucial shift in his analyses after the September 11th, 2001 terrorist attack, when his writing took on more expansive articulations of power, politics, and pedagogy that addressed education and culture in forms that could no longer be contained via isolated reviews of media, schooling, or pedagogical practice. Instead, Giroux locates these discourses as a constellation of neoliberal influences on cultural practices, with education as the engine of their reproduction and their cessation. *The New Henry Giroux Reader* also takes up Giroux's proclivity for using metaphors articulating death as the inevitable effect of neoliberalism and its invasion of cultural policy. Zombies, entropy, and violence permeate his work, coalescing around the central notion that market ideologies are anathema to human life. His early pieces signal an unnatural state of affairs seeping through the fabric of social life, and his work in cultural studies and public pedagogy signals the escalation of this unease across educative spaces. The next sections take up the fallout of 9/11 as an eruption of these horrific practices into all facets of human life, within traditional understandings of education and culture's

(continued overleaf)

broader pedagogical imperatives. The book concludes with Giroux's writings on education's vital capacity, demonstrating an unerring capacity for hope in the face of abject horror.

December 2018

385 pp, 7" x 10"

Cloth, 978 1 975500 74 0, \$169.95 (\$5)

Lib E-Book, 978 1 975500 76 4, \$169.95 (10)

E-Book, 978 1 975500 77 1, \$49.95 (\$9)

Paper, 978 1 975500 75 7, \$49.95 (\$5)



Sandlin: Arizona State University
Burdick: Purdue University

Philanthropy, Hidden Strategy, and Collective Resistance

A Primer for Concerned Educators

Kathleen deMarrais, T. Jameson Brewer, Jamie C. Atkinson and Brigitte Herron

In 1971, corporate lawyer and future U.S. Supreme Court justice Lewis Powell wrote a detailed memo that galvanized a small group of conservative philanthropists to create an organizational structure and fifty-year plan to alter the political landscape of the United States. Funded with significant "dark money," the fruits of their labor are evident today in the current political context and sharp cultural divisions in society. *Philanthropy, Hidden Strategy, and Collective Resistance* examines the ideologies behind the philanthropic efforts in education from the 1970s until today. Authors examine specific strategies philanthropists have used to impact both educational policy and practice in the U.S. as well as the legal and policy

context in which these initiatives have thrived. The book, aimed for a broad audience of educators, provides a depth of knowledge of philanthropic funding as well as specific strategies to incite collective resistance to the current context of hyperaccountability, privatization of schooling at all levels, and attempts to move the U.S. further away from a commitment to the collective good.

November 2018

260 pp, 6" x 9"

Cloth, 978 1 975500 70 2, \$149.95 (\$5)

Lib E-Book, 978 1 975500 72 6, \$149.95 (10)

E-Book, 978 1 975500 73 3, \$42.95 (\$9)

Paper, 978 1 975500 71 9, \$42.95 (\$5)



deMarrais: University of Georgia
Brewer: University of North Georgia
Atkinson: University of Georgia
Herron: University of Georgia

The Problem of Education and Development in Sub-Saharan Africa

Moses Oketch

African governments and donor partners have long regarded investment in education as being central to economic growth in the region – but this investment is yet to achieve rapid economic improvement. Why is that? And what should be done to better realize that goal? In this lecture Professor Oketch addresses the compelling narrative of human capital theory – the doctrine, underpinning public policy world-wide, that investment in education is instrumental for economic growth – and what we can learn from its application in sub-Saharan Africa. Drawing on evidence from across several different

aspects of education policy, he argues that however commanding the theory is, it remains tacit if the actual implementation of policies isn't effective.

Now Available

IOE Inaugural Professorial Lectures

38 pp, 5 4/5" x 8 1/4"

Paper, 978 1 78277 233 0, \$9.95 (\$5)



Responding to Children in the Twenty-first Century

Education, Social Pedagogy and Belonging

Claire Cameron

As a society we want our children and young people to thrive and fulfill their potential. How then, can we best identify and respond to their needs in order to achieve this? In this lecture, Professor Claire Cameron takes the case of children in state care and the longer-term impacts on those young people of having been in care. In particular, she will examine the practice of social pedagogy, which describes a holistic and relationship-centered way of working in care and educational settings, and what this can bring to young people's development – physical, emotional, intellectual and social.

Professor Cameron argues that to make substantial progress for all young people we need to expand our understanding of the scope of "belonging" to give children in care a "rich" life.

Now Available

IOE Inaugural Professorial Lectures

36 pp, 5 4/5" x 8 1/4"

Paper, 978 1 78277 241 5, \$9.95 (\$5)



A School with a View

Teachers' Work, Social Justice and 21st Century Schools

Eleanor J. Blair

If public schools are going to survive the current assaults from individuals and groups who have chosen to focus on the needs of private interests while simultaneously disregarding the larger needs of a rapidly changing diverse culture, we need dynamic public schools more than ever before.

A School with a View: Teachers' Work, Social Justice and 21st Century Schools is an examination of teachers' work, its history, and its current status. However, more importantly, it is a critical analysis that lays the groundwork for moving forward and asserting a vision of the role that teachers must play in the transformation of 21st century schools that promote social justice as their first priority. It presents a critical analysis of teachers' roles and teachers' work that can be used to shape a vision of what must happen if public schools are going to survive, adapt and respond to the demands of a 21st century democratic society.

January 2019

200 pp, 6" x 9"

Cloth, 978 1 975500 47 4, \$149.95 (\$5)

Lib E-Book, 978 1 975500 49 8, \$149.95 (10)

E-Book, 978 1 975500 50 4, \$42.95 (\$9)

Paper, 978 1 975500 48 1, \$42.95 (\$5)



Blair: Western Carolina University

Second Language Learners in International Schools

Maurice Carder, Patricia Martin and

Sarah Porter

Foreword by Virginia Collier

The learning needs of second language learners in national education systems differ fundamentally from those of SLLs in the international community. This book argues that SLLs in international schools are better provided for within models of instruction that do not assimilate to any political system; where motivation can come from areas other than wanting to belong to a specific culture; and where students can develop all their languages equitably.

The authors trace the theories underpinning second language learning programs in international schools and delve into the complexities of teacher relationships and the influence of curriculum agencies on second language learning. Through case studies and vignettes, they argue for establishing a department of Professional English as a Second Language at the center of the academic life in each school, whose staff will build on the widely acknowledged potential of second language learners and enhance their capabilities in all their languages.

December 2018

212 pp, 6 1/8" x 9 1/5"

Paper, 978 1 85856 859 1, \$41.95 (\$5)



The Souls of Black Folk by W.E.B. Du Bois

With a Critical Introduction by Patricia H. Hinchey

Patricia H. Hinchey

W. E. B. Du Bois's seminal work, *The Souls of*

Black Folk, not only captures the experience of African Americans in the years following the Civil War but also speaks to contemporary conditions. At a time when American public schools are increasingly re-segregating, are increasingly underfunded, and are perhaps nearly as separate and unequal as they were in earlier decades, this classic can help readers grasp links between a slavery past and a dismal present for too many young people of color. Disagreeing with Booker T. Washington, Du Bois analyzes the restrictiveness of education as a simple tool to prepare for work in pursuit of wealth (a trend still very much alive and well, especially in schools serving economically disadvantaged students). He also, however, demonstrates the challenges racism presents to individuals who embrace education as a tool for liberation. Du Bois's accounts of how racism affected specific individuals allow readers to see philosophical issues in human terms. It can also help them think deeply about what kind of moral, social, educational and economic changes are necessary to provide all of America's young people the equal opportunity promised to them inside and outside of schools.

Now Available

Timely Classics in Education

200 pp, 5 1/2" x 8"

Paper, 978 1 975500 63 4, \$14.95 (\$5)

Lib E-Book, 978 1 975500 64 1, \$14.95 (10)

E-Book, 978 1 975500 65 8, \$14.95 (\$9)



Hinchey: Penn State University

ACADEMIC AND PROFESSIONAL TITLES

Student Activism in the Academy

Its Struggles and Promise

Edited by Joseph L. DeVitis and Pietro A. Sasso

Student Activism in the Academy: Its Struggles and Promise is a wide-ranging, provocative survey of student activism in America's colleges and universities that critically analyzes the contentious problems and progress of a movement that has stirred public reaction in and out of academe. Its fundamental purpose is to engage diverse publics in both reasoned and passionate reflection and soul searching on vital issues that surround campus protest. Thus, the essays in this volume respect the need to consider how to weigh freedom, fairness, safety, and protection inside and outside the walls of ivy.

Both professional and student voices prompt us to better comprehend academic realities with more hope and wisdom. Administrators, faculty, students, and student life personnel in higher education—indeed, all those interested in today's colleges and universities—will want to participate in the timely and productive dialogue within these pages.

October 2018
Culture and Society in Higher Education 2

300 pp, 7" x 10"

Cloth, 978 1 975500 35 1, \$179.95 (\$5)

Lib E-Book, 978 1 975500 37 5, \$179.95 (10)

E-Book, 978 1 975500 38 2, \$55.95 (\$9)

Paper, 978 1 975500 36 8, \$55.95 (\$5)



**Sasso: Southern Illinois University
Edwardsville**

Why Kids Love (and Hate) School

Reflections on Difference

Edited by Steven P. Jones and Eric C. Sheffield

Foreword by Laura Ruth Johnson

This collection consists of theoretical discussions, personal reflections, research reports, and policy suggestions sourced in the experiences of our most vulnerable students with an eye to making schools places all students might love rather than hate. The essays take up these issues from the perspectives of poverty, gender, race, ethnicity, ability, language, and religion among others.

These essays also provide practical advice for teachers and administrators—both practicing and pre-service—for making classrooms and schools spaces that would encourage our students to say, "I love school."

Now Available
Academy for Educational Studies Book Series 1

245 pp, 6" x 9"

Cloth, 978 1 975500 66 5, \$149.95 (\$5)

Lib E-Book, 978 1 975500 68 9, \$149.95 (10)

E-Book, 978 1 975500 69 6, \$42.95 (\$9)

Paper, 978 1 975500 67 2, \$42.95 (\$5)



**Jones: Missouri State University
Sheffield: Western Illinois University**

AGRICULTURE & PLANT SCIENCE

Algae of Australia

Marine Benthic Algae of North-western Australia

VOLUME 2: RED ALGAE

John M. Huisman

Marine plants, or seaweeds, are unjustly perceived as one of the least charismatic groups of marine organisms. In truth they include many spectacular and attractive species; moreover, they comprise a vital component of coastal ecosystems, providing food and shelter for marine animals as well as contributing significantly to regional biodiversity. For over a decade, Dr John Huisman, in collaboration with students and colleagues, has collected and studied the marine plants of Australia's vast and remote north-west coast, these activities uncovering numerous undescribed genera and species and resulting in a manifold increase in the known flora. His accounts of the marine algae are presented in two volumes of the *Algae of Australia* series; this part, describing the red algae, follows an earlier volume (2015) describing the green and brown algae.

November 2018
Algae of Australia Series
688 pp, 6 7/8" x 9 4/5", Color photos, illus, and maps
Cloth, 978 1 4863 0954 2, \$174.95 (\$5)



The Allure of Fungi

Alison Pouliot

Australia is a fungal ark. Although little known, fungi provide the links and flows between organisms and ecosystems that underpin a functioning planet.

This book presents fungi through multiple perspectives – those of mycologists and ecologists, foragers and forayers, naturalists and farmers, aesthetes and artists, philosophers and Traditional Owners. It offers a distinctively Australian biological-cultural narrative on fungi, then crosses continents to juxtapose European understanding. It explores how a history of entrenched fears and misconceptions about fungi has led to their near absence in Australian ecological consciousness and biodiversity conservation.

December 2018

**280 pp, 8 1/4" x 10 5/8", Color photos
Paper, 978 1 4863 0857 6, \$39.95 (\$5)**



Blueberries

SECOND EDITION

Jorge B. Retamales and James F. Hancock

Blueberries are cultivated worldwide and this book explores plantings in a great diversity of environments, reflecting on the development of innovative cultural practices and conditions. It examines the increased scope and depth of research activities related to this crop and brings together the current status of knowledge on blueberry science and management. Explaining in an understandable manner the basic science behind the growth and development of blueberries, their botanical characteristics, as well as the implications and effects of various management practices and environmental conditions, the second edition of *Blueberries* also:

- Highlights emerging genetic information on the blueberry
- Includes new information on pruning, grafting and irrigation
- Covers current and potential uses of plant growth regulators
- Gathers new information on fruit quality and consumer acceptance

August 2018

**Crop Production Science in Horticulture
424 pp, 6 1/8" x 9 1/5"
Paper, 978 1 78064 726 5, \$75.00 (\$6)**



Hancock: Michigan State University

Crisis and Conflict in Agriculture

Edited by Rami Zurayk, Eckart Woertz and Rachel Bahn

This book discusses the causes and effects of crisis and conflict within an agricultural and rural context. It explores issues such as competition over resources, and looks at how crisis and conflict impact upon developing country agriculture for both the physical and human agricultural landscape. It reviews crises stemming from politically-driven violence, natural disasters and climate change.

Exploring the relationship between agriculture and conflicts and crises before, during and after crisis periods, this book:

- Evaluates controversial issues such as land-grabs and the growing of illegal crops;
- Covers methodological approaches including GIS-based studies, ethnographic studies and the blending of methods;
- Includes numerous case studies on developing countries within Asia, Latin America, Middle East-North Africa, and Sub-Saharan Africa.

Providing detailed knowledge about the interactions of agriculture, conflict and crisis, this book aims to inform future policymaking for reconstruction and to foster resilience in the agricultural sector. An important resource for researchers of agricultural economics, development studies, sustainable agriculture and food security, it is also an illuminating read for students of these disciplines and agricultural extension workers.

October 2018

**304 pp, 6 3/4" x 9 3/5"
Cloth, 978 1 78639 364 7, \$160.00 (\$6)**



ACADEMIC AND PROFESSIONAL TITLES

Crossing in Oil Palm

Umi Setiawati, Baihaqi Sitepu, Fazir Nur, Brian P. Forster and Sylvester Dery

Oil palm is the world's most important oil crop. Crossing is essential in commercial seed production, breeding and genetic studies. This book, written by experts, illustrates crossing techniques to maximize success and safeguard purity, enabling the production of high quality seeds to grow-on as planting material and in breeding superior cultivars.

This is a practical guide to crossing in oil palm for both breeding and genetic studies as well as commercial seed production. Crossing is used extensively in the production of commercial seed and crossing activities are therefore central to breeding strategies that aim to maximize success, safeguard purity and provide high quality products. This book will enable better cultivars of oil palm to be developed through plant breeding, resulting in high yields and high quality planting material.

Presenting sound practices based on scientific innovation in plant breeding, this guide provides techniques integrated with expertise and application of sustainable aspects of agronomy and crop protection, alongside information and imaging technology.

November 2018

Techniques in Plantation Science

96 pp, 6 1/8" x 9 1/5"

Paper, 978 1 78639 591 7, \$30.00 (\$5)



The Economics of Biotech Quality Enhanced Crops

The Case of High Oleic Soybeans

Nicholas Kalaitzandonakes and Alex Magnier

This book presents a framework for analyzing the economics of quality-enhanced biotech crops from concept to commercial introduction and use, focusing on how their economic value and supply chains must be modified.

The book introduces systematic ways for analyzing key aspects of commercialization, including estimating potential demand; potential substitution with existing products in the market; potential production systems and supply; potential supply chains and their economics; potential premiums that must be paid by users; and potential premiums that may be paid to the supply chain as well as to producers and others. It outlines methods, models and data that may be used for such analysis and will demonstrate their use through empirical applications in the context of HOS. It is accessible and valuable to a broad audience including policy-makers, regulators, economists, lawyers, industry executives, and scientists with an interest in the commercialization and impact of all emerging genetically modified crops with enhanced quality traits.

November 2018

6 1/4" x 9 1/4"

Cloth, 978 1 78064 847 7, \$205.00 (\$6)



Nicholas Kalaitzandonakes: University of Missouri-Columbia

Magnier: University of Missouri-Columbia

The Economics of Soybean Disease and Control Strategies

Nicholas Kalaitzandonakes and James Kaufman

The first section provides an overview of global soybean diseases and their economic significance. It pieces together the existing evidence on the incidence and severity of such diseases and discusses the available management techniques, both existing and emerging. Attention then shifts to farm-level decision making where the potential economic payoff s of alternative disease practices and key uncertainties on the need and benefits for such practices will be discussed in detail. Adoption of new technologies is discussed along with potential market-level impacts might be. Extensive empirical case studies are provided where strategies for economically optimal management of soybean seedling disease and soybean root rots are detailed. The last section provides a global economic model that evaluates the potential economic benefits of soybean disease and their distribution and draws conclusions.

October 2018

362 pp, 6 1/4" x 9 1/4"

Cloth, 978 1 78064 808 8, \$240.00 (\$6)



**Nicholas Kalaitzandonakes: University of Missouri-Columbia
Kaufman: University of Missouri-Columbia**

Grapes

SECOND EDITION

Glenn L. Creasy and Leroy L. Creasy

Fully updated with new content and full-color figures throughout, the second edition of this successful book reflects the impact of climate change and seasonal management, the expansion of production into new areas, and changing methods of grape production (including organic options). It includes information on wine grapes in addition to grapes for fresh consumption and raisin production.

Covering a broad range of topics from grapevine growth and fruit development, to vineyard establishment, mechanization and postharvest processing, this book provides historical and current information about the grape industry and sets out the theory and science behind production practices. It is an invaluable resource for grape producers, horticulture and plant science students, as well as enthusiasts of the vine and its products.

September 2018

Crop Production Science in Horticulture
416 pp, 6 1/8" x 9 1/5", color figures
Paper, 978 1 78639 136 0, \$75.00 (\$6)

**The Himalayan Soap Pod Tree (*Gymnocladus assamica*)**

An Ecologically and Economically Important Tree on the Brink of Extinction

Baharul I. Choudhury and Mohammed L. Khan

The book contains detailed information about *G. assamica* and discusses its current distribution, population status, ethnobotanical uses and other ecological parameters. *Gymnocladus assamica* is an archaic tree endemic to the Eastern Himalayan region of Northeast India. Locally known as 'Menangmanba-shi' by the Monpa tribe of Arunachal Pradesh (India), mature *G. assamica* pods contain high saponin and are used traditionally for cleansing purposes and rituals.

Major intrinsic and extrinsic factors that might be responsible for population decline are described. More importantly, we reported a very rare mating system known as 'androdioecy' in which male and hermaphrodite individuals co-exist in the natural population. Overall, the book highlights the story of a critically endangered tree species with a unique biological and socio-cultural importance and will serve as a case study and reference for other similar species both locally and globally.

February 2019

180 pp, 6 1/4" x 9 1/5"
Cloth, 978 1 78639 198 8, \$160.00 (\$6)



Choudhury: Concordia University (Quebec)

Mutation Breeding in Oil Palm

Fazir Nur, Brian P. Forster, Samuel A. Osei, Samuel Amiteye, Jennifer Ciomas, Soeranto Hoeman and Ljupcho Jankuloski

This is a hands-on, practical guide covering seedling screening for disease response in oil

palm for pathology, breeding and genetics. Oil palm is the top oil crop and the only major crop and only oil crop not to have been improved by plant mutation breeding. The manual is hands-on, providing step-by-step illustrated methods in a range of key activities in mutation induction, mutation detection and mutant line development in oil palm.

Presenting sound practices based on scientific innovation and knowledge, this guide provides techniques integrated with expertise and is authored by practitioners actively engaged in oil palm seed production and breeding.

November 2018**Techniques in Plantation Science****96 pp, 6 1/4" x 9 1/4"****Paper, 978 1 78639 621 1, \$30.00 (\$6)****Nursery Screening for Ganoderma Response in Oil Palm Seedlings**

Miranti Rahmaningsih, Ike Virdiana, Syamsul Bahri, Yassier Anwar, Brian P. Forster and Frédéric Breton

This is a practical guide to screen for disease response in oil palm. Oil palm is the world's top oil crop and Ganoderma is its most devastating disease in SE Asia. All authors are actively engaged in oil palm pathology for crop improvement and have developed this simple, seedling test for early detection of susceptibility/resistance to Ganoderma.

This is a hands-on, practical guide covering seedling screening for disease

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

response in oil palm for pathology, breeding and genetics. Oil palm is the top oil crop in the world and Ganoderma is the most devastating disease of oil palm. The authors are all actively engaged in oil palm seed production and breeding and bring together the many aspects of seedling disease testing in to one integrated manual.

November 2018

Techniques in Plantation Science

96 pp, 6 1/4" x 9 1/4"

Paper, 978 1 78639 624 2, \$30.00 (\$6)



Plant Parasitic Nematodes in Subtropical and Tropical Agriculture

THIRD EDITION

Edited by R. Sikora, D. L. Coyne, J. Hallmann and P. Timper

Covering all aspects of practical plant nematology in subtropical and tropical agriculture, the third edition of this definitive global reference work is fully revised and in full color throughout. It covers the major food and cash crops including; rice, cereals, solanum and sweet potatoes and other root and tuber crops, food legumes, vegetables, peanut, citrus, tree and fruit crops, coconut and other palms, coffee, cocoa, tea, bananas, sugarcane, tobacco, pineapple, cotton, other tropical fibers, spices, condiments and medicinal plants.

July 2018

888 pp, 6 3/4" x 9 3/5"

Cloth, 978 1 78639 124 7, \$250.00 (\$6)



The Pineapple

Botany, Production and Uses

SECOND EDITION

Edited by Garth M. Sanewski, Duane P. Bartholomew and Robert E. Paull

Completely updated with new content and full-color figures throughout, the second edition of this successful book continues to provide comprehensive coverage relating to pineapple breeding, production and yield. This second edition:

- Contains new chapters on organic production and production for other uses (fibre and ornamentals)
- Includes major updates to content on biotechnology, breeding, and variety improvements
- Explores physiological changes associated with the year-round growing of pineapple in addition to the associated cultural practices and mineral nutrition
- Considers the impact of climate change and environmental issues on pineapple crops, and relevant mitigation strategies
- Looks at the effect of new cultivars and new technologies on cultural practices

Written by an international team of recognized experts, this book is an essential resource for researchers, growers and all those involved in the pineapple industry.

October 2018

264 pp, 6 3/4" x 9 3/5", full-color illus Cloth, 978 1 78639 330 2, \$190.00 (\$6)



Bartholomew: University of Hawai i at Manoa

Paul: University of Hawai i at Manoa

Tomatoes

SECOND EDITION

Edited by Ep Heuvelink

This new edition of a successful, practical book provides a comprehensive and accessible overview of all aspects of the production of the tomato crop, within the context of the global tomato industry. Tomatoes are one of the most important horticultural crops in both temperate and tropical regions and this book explores our current knowledge of the scientific principles underlying their biology and production.

Tomatoes, Second Edition, covers genetics and breeding, developmental processes, crop growth and yield, fruit ripening and quality, irrigation and fertilization, crop protection, production in the open field, greenhouse production, and postharvest biology and handling. It has been updated to: reflect advances in the field, such as developments in molecular plant breeding and crop yields; include a new chapter on organic tomato production; and present photos in full color throughout.

August 2018

Crop Production Science in Horticulture 384 pp, 6 1/8" x 9 1/5", full-color photos throughout

Paper, 978 1 78064 193 5, \$75.00 (\$6)



ANIMAL & VETERINARY
SCIENCE**Animal Welfare in a
Changing World****Edited by Andrew Butterworth**

Contemporary and challenging, this thought-provoking book outlines a number of the key dilemmas in animal welfare today and tomorrow. The key issues range from the welfare of fur and fashion animals, to debates around intensive farming versus sustainability and climate change, to animals in tourism, rodeos, races and fiestas. The human-animal welfare impact is explored, including human impact on marine mammals, fish, wildlife, companion and farm animals, together with our impact on zoo and laboratory animals. *Animal Welfare in a Changing World* gives:

- Concise, highly readable summaries on the important issues in animal welfare by world experts and key opinion leaders
- Opinions which are balanced with an evidence-based approach and are challenging
- Color illustrations and links to videos to further illustrate the debates
- A wide ranging collection of case studies and descriptions of animal welfare topics which outline the dilemmas to anchor them in the real world

September 2018**320 pp, 7 1/2" x 9 5/8", color illustrations****Cloth, 978 1 78639 245 9, \$140.00 (\$6)****Paper, 978 1 78639 246 6, \$75.00 (\$6)****Australian Bryozoa**

Volume 1: Biology, Ecology and Natural History

**Edited by Patricia Cook, Philip Bock ,
Dennis Gordon and Haylee Weaver**

Bryozoans are aquatic animals that form colonies of connected individuals. They take a variety of forms: some are bushy and moss-like, some are flat and encrusting and others resemble lace. Bryozoans are mostly marine, with species found in all oceans from sublittoral to abyssal depths, but freshwater species also exist. Some bryozoans are of concern as marine-fouling organisms and invasive species, while others show promise as sources of anticancer, antiviral and antifouling substances.

Written by experts in the field, *Australian Bryozoa Volume 1: Biology, Ecology and Natural History* is the first of two volumes describing Australia's 1200 known species of bryozoans, the richest diversity of bryozoans of any country in the world. It contains chapters on the discovery of bryozoans, their morphology, classification and fossil history, their roles in biosecurity and marine benthic environments, and potential uses in biotechnology and ocean acidification. It provides an authoritative reference for biology students, academics and others interested in marine biology.

October 2018**200 pp, 8 1/4" x 10 5/8", Color photos
& illus****Cloth, 978 1 4863 0679 4, \$89.95 (\$5)****Australian Bryozoa**

Volume 2: Taxonomy of Australian Families

**Edited by Patricia Cook, Philip Bock ,
Dennis Gordon and Haylee Weaver**

Australian Bryozoa Volume 2: Taxonomy of Australian Families is the second of two volumes describing Australia's 1200 known species of bryozoans, the richest diversity of bryozoans of any country in the world. It contains detailed taxonomic data and illustrated family-level treatments, which can be used to identify specimens. It provides an authoritative reference for biology students, academics and others interested in marine biology.

October 2018**320 pp, 8 1/4" x 10 5/8"****Cloth, 978 1 4863 0682 4, \$179.95 (\$5)****A Bat's End**

The Christmas Island Pipistrelle and Extinction in Australia

John Woinarski

It is the evening of 26 August 2009 on Christmas Island. The last known pipistrelle emerges from its day-time shelter. Scientists, desperate about its conservation, set up an elaborate maze of netting to try to catch it. It is a forlorn and futile exercise – even if captured, there is little future in just one bat. But the bat evades the trap easily, and continues foraging. It is not recorded again that night, and not at all the next night. The bat is never again recorded. The scientists search all nearby areas over the following

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

nights. It has gone. There are no more bats. Its corpse is not, will never be, found. It is the silent, unobtrusive death of the last individual. It is extinction. It is an unusual extinction, for it was witnessed and its timing is precise. It is an unusual extinction, for its fate was predicted and, seen with hindsight, its pathway to that destiny was like watching in slow motion the frightening inexorability of a car crash.

This book is about that bat; it is about those scientists; it is about that island; but mostly it is an attempt to understand that extinction. It is a story with many components and many voices.

December 2018

280 pp, 8 1/4" x 10 5/8"

Paper, 978 1 4863 0863 7, \$47.95 (\$5)



Farm Animal Behaviour

Characteristics for Assessment of Health and Welfare

SECOND EDITION

Ingvar Ekesbo and Stefan Gunnarsson

Completely updated and revised, and with a new author team, *Farm Animal Behaviour 2nd Edition* continues to provide essential information on normal and stereotypic behaviors in a wide variety of farm animals to help in the assessment and diagnosis of their welfare.

- Comprehensive coverage of a range of farmed animals from: horses, cattle, sheep, goats and pigs through to domesticated poultry, deer, ostrich and many other species
- Innate, learned and social behaviors are

described together with activity, vision and hearing to build a picture of normal behaviors presented in a clear and consistent way for each species

- Stereotypic behaviors, injuries and disease, resulting from improper management practices, are outlined in detail
- With quality color illustrations, key information can be found readily for those in a busy clinical setting
- Key expert authors contribute their long-standing knowledge, clinical and scientific expertise

November 2018

360 pp, 6 1/4" x 9 1/4", color illus

Paper, 978 1 78639 139 1, \$75.00 (\$6)



Farming Meat Goats

Breeding, Production and Marketing

SECOND EDITION

Barbara Vincent

Goat meat is growing in popularity in Australia and is also an important export industry. It offers many opportunities for large- and small-scale farmers who need to diversify or seek alternative enterprises.

Farming Meat Goats provides producers with comprehensive and practical information on all aspects of the goat meat industry. It covers selecting and preparing a property, choosing breeding stock, breeding, health care and nutrition, drought feeding, condition scoring and marketing.

This second edition of *Farming Meat Goats* has been updated throughout and contains new information about the National Livestock Identification System, current

regulations for ovine Johne's disease and animal welfare during transportation, and information about marketing. It will allow farmers to produce animals to specification for targeted markets in Australia and overseas including: butchers; supermarkets; restaurants; on-farm live sales; sales to abattoirs that specialize in Halal kills; and breeding stock either as replacements or for improved herd genetics.

August 2018

352 pp, 6 5/8" x 9 5/8"

Paper, 978 1 4863 0657 2, \$52.95 (\$5)



Guide to Introduced Pest Animals of Australia

Peter West

Australia's introduced vertebrate pest species cost at least \$1 billion annually in economic, environmental and social impacts. *The Guide to Introduced Pest Animals of Australia* is a comprehensive, practical guide to 60 introduced pest animal species present in Australia, including 27 mammals, 18 birds, nine freshwater fish, two amphibians and four reptiles. It contains descriptive information to identify each species in the field, including distinctive physical characteristics, size, weight, coloration, diet, breeding behavior, habitat preferences, and information about footprints, dung, scats and audible animal calls.

Each species profile is accompanied by practical management information, maps and high-quality photographs – allowing readers to learn about pest species in their local area, what problems they might cause, and what control options exist for

management. This guide also contains a number of emerging high-risk pest species that may pose a significant threat to our natural environment, economy, agriculture and human health.

July 2018

160 pp, 5 4/5" x 8 1/2", color photos, illus, and maps

Paper, 978 1 4863 0567 4, \$29.95 (\$5)



A Field Guide to Venomous and Medically Important Invertebrates of the World

David Bowles, James Swaby and Harold Harlan

This guide summarizes threats from various medically important invertebrate groups worldwide, including physical pain and annoyance to disease transmission risk. It also summarizes personal protective measures that one should embrace to prevent attack and disease risk, and it briefly addresses treatments where applicable. While there are other books on the market that address arthropods (insects, spiders, and their kin) from a health perspective, we are not aware of any available work that addresses all of the dangerous invertebrates in a collective sense, and certainly not on a global scale. We view the purpose of this work as serving a crucial role for protecting the health of travelers, and serving as a strong reference for medical personnel working in high risk areas, as well as travel planners, and other interested parties.

November 2018

256 pp, 5 4/5" x 8 1/4", Color photos, illus, and maps

Paper, 978 1 4863 0884 2, \$47.95 (\$5)



Night Parrot

Australia's Most Elusive Bird

Penny Olsen

For well over a century, the Night Parrot lured its seekers into Australia's vast, arid outback. From the beginning it was a mystery bird. Fewer than 30 specimens were collected before it all but disappeared, offering only fleeting glimpses and the occasional mummified body as proof of its continued existence. Protected by spinifex and darkness, the parrot attained almost mythical status: a challenge to birdwatchers and an inspiration to poets, novelists and artists.

Night Parrot documents the competitiveness and secrecy, the triumphs and adventures of the history of the bird and its followers, culminating in the recent discovery of live birds at a few widely scattered locations. It describes what we are now unraveling about the mysteries of its biology and ecology and what is still left to learn. Complemented by guest essays, illustrations and photographs from a wide variety of sources, this book sheds light on Australia's most elusive bird.

December 2018

368 pp, 8 1/4" x 10 5/8", Color photos & illus

Paper, 978 1 4863 0298 7, \$47.95 (\$5)



Nutrition and Feeding of Organic Poultry

SECOND EDITION

Robert Blair

Organic poultry production has increased significantly in recent years to keep up with

increasing consumer demand for organic eggs and meat. There are many guidelines and restrictions on what should go into the feedstuffs of organically farmed poultry, from which difficulties arise when trying to ensure a well-balanced nutritious diet without the use of any unapproved supplements. This, the second edition of Robert Blair's classic and bestselling book on the nutrition and feeding of organic poultry, presents advice for organic producers, and the agencies and organizations serving them.

October 2018

256 pp, 6 3/4" x 9 3/5"

Cloth, Oct 2018, 978 1 78639 298 5, \$160.00 (\$6)



One Welfare

A Framework to Improve Animal Welfare and Human Wellbeing

Edited by Rebeca García Pinillos

Foreword by Monique Eloit

Contemporary and thought-provoking, this book provides a definition of the concept of One Welfare: the interconnection between animal welfare, human wellbeing and the environment.

The book contains:

- A one welfare approach which complements and extends the existing one health approach
- A range of prestigious contributions from key opinion leaders in the field of animal welfare which help to define the framework
- A platform for the development of more

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

collaborative and integrated animal welfare standards and policies

July 2018

120 pp, 6 7/8" x 9 1/2", line illus

Cloth, 978 1 78639 384 5, \$85.00 (\$6)

Paper, 978 1 78639 385 2, \$45.00 (\$6)



Practical Feline Behaviour

Understanding Cat Behaviour and Improving Welfare

Trudi Atkinson

Foreword by John Bradshaw

Practical Feline Behaviour contains all the relevant information that anyone involved with the care of house cats needs to understand to handle feline behavior and improve welfare.

This approachable and down to earth text describes the internal and external influences on feline behavior; on communication, learning, social behavior, the relationship between behavior and disease, and the cat-human relationship. It also provides practical advice on how the welfare of cats in our care may be protected and how behavior problems should be addressed and how to avoid them.

August 2018

272 pp, 7 1/2" x 9 5/8", line illus

Paper, 978 1 78064 783 8, \$75.00 (\$6)



Principles of Cattle Production

THIRD EDITION

Clive J. C. Phillips

Completely updated and revised, this essential text continues to provide an introductory level text for all interested in beef and dairy cattle production systems. It presents a vision for a cattle industry that addresses the environment, the welfare of cattle and the provision of safe and high quality food for an increasingly demanding world population.

This new edition:

- Is expanded to include more on animal welfare, sustainability and production systems in low and middle income countries, including smallholder production systems.
- Has undergone a thorough review of all the existing chapters with new content on breeding cattle and the future role of cattle.
- Contains quality colour illustrations, so that key information can be found at a glance.
- Is beautifully written with many examples and pointers for further information.
- Tackles key issues of sustainability and the requirement for increased production.

November 2018

272 pp, 7 1/2" x 9 5/8"

Cloth, 978 1 78639 270 1, \$140.00 (\$6)

Paper, 978 1 78639 271 8, \$75.00 (\$6)



Reptiles and Amphibians of Australia

UPDATED SEVENTH EDITION

Harold G. Cogger

This is an update to the essential reference. *Reptiles and Amphibians of Australia* is a complete guide to Australia's rich and varied herpetofauna, including frogs, crocodiles, turtles, tortoises, lizards and snakes. For each of the more than 1,200 species there is a description of its appearance, distribution and habits. Each species is accompanied by a distribution map and, in most cases, a colour photograph of the living animal.

The book includes over 100 simple-to-use dichotomous keys that in most cases allow a specimen in hand to be identified. In addition, it has a comprehensive list of scientific references for those wishing to conduct more in-depth research, an extensive glossary, and basic guides to the collection, preservation and captive care of specimens.

December 2018

1080 pp, 7 1/2" x 10 1/4", Color photos & illus

Cloth, 978 1 4863 0969 6, \$127.95 (\$5)



Secret Lives of Carnivorous Marsupials

Andrew Baker and Chris Dickman

Most living carnivorous marsupials lead a secretive and solitary existence. From tiny insect eaters to the formidable Tasmanian Devil, *Secret Lives of Carnivorous Marsupials* offers rare insight into the history and habits of these creatures – from their discovery by

intrepid explorers and scientists to their unique life cycles and incredible ways of hunting prey.

Andrew Baker and Chris Dickman bring you on a journey through remote Australia, the Americas and dark, mysterious New Guinea – some of the last truly wild places on Earth. They describe frenzied mating sessions, miniscule mammals that catch prey far larger than themselves, and extinct predators including marsupial lions, wolves and even sabre-toothed kangaroos. The book contains a guide to the world's 136 living species of carnivorous marsupials and is packed with never-before-seen photos. Biogeography, relationships and conservation are also covered in detail.

November 2018

328 pp, 8 1/4" x 10 5/8", Color photos & illus

Cloth, 978 1 4863 0514 8, \$111.95 (\$5)



Status of Conservation and Decline of Amphibians

Australia, New Zealand, and Pacific Islands

Edited by Harold Heatwole and Jodi J. L. Rowley

Amphibians are among the most threatened groups of animals on earth. In part due to their highly permeable skin, amphibians are highly sensitive to environmental changes and pollution and provide an early-warning system of deteriorating environmental conditions. The more we learn about the impact of environmental changes on amphibians, the better we as humans will be able to arrest their demise, and our own.

Status of Conservation and Decline of Amphibians brings together the current knowledge on the status of the unique frogs of Australia, New Zealand, and the Pacific. Although geographically proximate, each region presents unique challenges and opportunities in amphibian research and conservation.

September 2018

248 pp, 8 1/4" x 10 5/8", Graphs & photos

Cloth, 978 1 4863 0838 5, \$119.95 (\$6)



Heatwole: North Carolina State University (emeritus)

ENTOMOLOGY

British and Irish Butterflies

An Island Perspective

Roger L. H. Dennis and Peter B. Hardy

This book investigates the biogeography of butterfly species over the British islands, particularly the factors that influence their presence on the islands and that have made each island's butterfly fauna distinctive. The book contains a full log of records of species on the islands and much supporting information. A powerful message is conveyed for the maintenance of butterfly species on the smaller British islands now experiencing population losses at a rate unprecedented since the spread of the last ice sheets: the incontrovertible importance of maintaining populations of species on nearby mainland sources for islands as pools for future migrants.

July 2018

344 pp, 6 3/4" x 9 3/5"

Cloth, 978 1 78639 506 1, \$125.00 (\$6)



Culiclopedia

Species-group, Genus-group and Family-group Names in Culicidae

Ralph Harbach

The study of mosquitoes has given rise to a plethora of names for subspecies, species, subgenera, genera and family-level groups, many of which are duplicate names for the same entity. This unique volume is a comprehensive compilation of all scientific names introduced at all levels of classification within the family since the official start of zoological nomenclature. The work is largely a lexicon aimed at being historical and informative as well as nomenclatural and bibliographic. Unlike catalogues, it contains sections devoted separately to the groups of names regulated by the International Code of Zoological Nomenclature, the species, genus and family groups, as well as sections concerned with names derived from personal and geographical names and other sources. In addition to insights into the history of mosquito classification, attention given to the formation, latinization and derivation of names makes the work a crucial contribution to mosquito science.

November 2018

336 pp, 8 5/8" x 10 5/8"

Cloth, 978 1 78639 905 2, \$290.00 (\$6)



ACADEMIC AND PROFESSIONAL TITLES

A Guide to Native Bees of Australia**Terry Houston**

A Guide to Native Bees of Australia provides a detailed introduction to the estimated 2000 species of Australian bees. Illustrated with stunning photographs, it describes the form and function of bees, their life-cycle stages, nest architecture, sociality and relationships with plants. It also contains systematic accounts of the five families and 58 genera of Australian bees. Photomicrographs of morphological characters and identification keys allow identification of bees to genus level. Natural history enthusiasts, professional and amateur entomologists and beekeepers will find this an essential guide.

November 2018**280 pp, 5 4/5" x 8 1/4", Color photos & illus****Paper, 978 1 4863 0406 6, \$39.95 (\$5)****A History of Pesticides****Graham A Matthews**

In this fascinating book, Graham Matthews takes the reader through the history of the development and use of chemicals for control of pests, weeds, and vectors of disease.

The book examines the development of legislation designed to control and restrict the use of pesticides, and the emergence of Integrated Pest Management (IPM) and the use of biological control agents as part of policy to protect the environment and encourage the sustainable use of pesticides.

November 2018**280 pp, 6 3/4" x 9 3/5"****Cloth, 978 1 78639 487 3, \$110.00 (\$6)****The UK Pesticide Guide 2018****31ST EDITION****Edited by Martin A. Lainsbury**

This is the authoritative reference for all pesticide products and adjuvants approved for use in agriculture, amenity, forestry and horticulture. The 2018 edition has 15 new active ingredient profiles, plus details for products that require 5m Arthropod buffer zones and products that require use of spray equipment with Drift Reduction Technology (DRT) within 30m of surface water bodies to complement the LERAP details.

Now Available**800 pp, 6 7/8" x 9 3/4"****Paper, 978 1 9998966 0 7, \$85.00 (\$6)****Urban Pest Control****A Practitioner's Guide****Partho Dhang**

This guide brings together the varied and multiple skills and activities required of pest control practitioners, including biology, chemistry, architecture, engineering, sales, logistics, legal and accounting, presented with a primary emphasis on pest organisms at its core. This book provides information and tips on all of these aspects and explores the business of controlling pests (including trends in the industry, pest control tools, and sustainable pest control); covers biological

information on each pest in addition to information on control and management, monitoring and follow-up; focuses particularly on globally significant pests with internationally-applicable use and guidance; and provides practical and hands-on experience, drawing on original case studies.

144 pp, 7 1/2" x 9 5/8"**Paperback, Jun 2018, 978 1 78639 514 6, \$32.95 (\$6)****ENVIRONMENT & ECOLOGY****Aboriginal Biocultural Knowledge in South-eastern Australia****Perspectives of Early Colonists****Fred Cahir, Ian D. Clark and Philip A. Clarke**

Aboriginal Biocultural Knowledge in South-eastern Australia is the first book to examine historical records from early colonists who interacted with south-eastern Australian Aboriginal communities and documented their understanding of the environment, natural resources such as water and plant and animal foods, medicine and other aspects of their material world. This book provides a compelling case for the importance of understanding Indigenous knowledge, to inform discussions around climate change, biodiversity, resource management, health and education. It will be a valuable reference for natural resource management agencies, academics in

Indigenous studies and anyone interested in Aboriginal culture and knowledge.

August 2018

360 pp, 6 5/8" x 9 5/8", 15 b/w photos, 13 illus

Paper, 978 1 4863 0611 4, \$52.95 (\$5)



Dew Water

Daniel A. Beysens

The world's ever-increasing need for fresh water has led to the use of non-conventional sources such as rain and fog water collection. Although rain water collection is relatively simple, the supply is often erratic. Passive fog water collection has been used in several parts of the world but is only relevant to certain geographical locations. Dew occurrence, however, is far more widespread, can form in most climates and geographic settings, show high frequency and prevalence throughout the year. During the past 20 years, dew collection has therefore been investigated as a serious supplemental source of fresh water. *Dew Water* offers a thorough review of dew, its formation characteristics and potential for dew collection, for audiences that include policy-makers, non-governmental organizations involved in development aid and sustainable development, engineers, urban planners, researchers and students.

Now Available

River Publishers Series in Earth and Environmental Sciences

200 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 47 1, \$95.00 (\$6)



Ecological Effects of Electricity Generation, Storage and Use

Peter Henderson

This book reviews the past, present and future generation and use of electricity. While noting the importance of electricity to the well-being of people, it argues that all means of electricity generation have adverse ecological consequences. The ecological effects of all the main forms of electricity generation, storage and transmission are reviewed in 14 chapters. The chapters briefly cover the engineering and physics of each method of electricity generation followed by a description of the different ways in which the technology interacts with the natural world. Finally, sections consider the importance of these impacts and how they can be mitigated or avoided. A final chapter summarizes the issues and emphasizes that the only way to truly minimize the impacts of electricity generation is to minimize our consumption and transmission. Future efforts should continue to focus on increasing the efficiency of light production, refrigeration, electrical appliances and batteries.

July 2018

224 pp, 6 3/4" x 9 3/5"

Paper, 978 1 78639 201 5, \$45.00 (\$6)



Effective Ecological Monitoring

SECOND EDITION

David Lindenmayer and Gene E. Likens

Long-term monitoring programs are fundamental to understanding the natural environment and managing major environmental problems. Yet they are often done very poorly and ineffectively. This second edition of the highly acclaimed *Effective Ecological Monitoring* describes what makes monitoring programs successful and how to ensure that long-term monitoring studies persist.

The book has been fully revised and updated but remains concise, illustrating key aspects of effective monitoring with case studies and examples. It includes new sections comparing surveillance-based and question-based monitoring, analyzing environmental observation networks, and provides examples of adaptive monitoring.

August 2018

224 pp, 6 5/8" x 9 5/8", 21 color photos, 18 illus

Paper, 978 1 4863 0892 7, \$37.95 (\$5)



Likens: Yale

ACADEMIC AND PROFESSIONAL TITLES

Restoring Farm Woodlands for Wildlife**David Lindenmayer, Damian Michael, Mason Crane, Daniel Florance and Emma Burns**

Restoring Farm Woodlands for Wildlife focuses on why restoration is important and describes best practices approaches to restore farm woodlands for birds, mammals and reptiles. Based on 19 years of long-term research in temperate agricultural south-eastern Australia, this book addresses practical questions such as what, where and how much to plant, ways to manage plantings and how plantings change over time. It will be a key reference for farmers, natural resource management professionals and policy-makers concerned with revegetation and conservation.

October 2018**120 pp, 8 1/4" x 10 5/8", Color photos & illus****Paper, 978 1 4863 0964 1, \$31.95 (\$5)****BUSINESS, SUSTAINABILITY & URBAN STUDIES****Australia's Metropolitan Imperative**

An Agenda for Governance Reform

Edited by Richard Tomlinson and Marcus Spiller

Australia's Metropolitan Imperative: An Agenda for Governance Reform makes the case that metropolitan governments would promote the economic competitiveness of Australia's cities and enable more effective

and democratic planning and management. The contributors explore the global metropolitan "renaissance," document the history of metropolitan debate in Australia and demonstrate metropolitan governance failures. They then discuss the merits of establishing metropolitan governments, including economic, fiscal, transport, land use, housing and environmental benefits.

October 2018**264 pp, 6 5/8" x 9 5/8", Illus & photos Paper, 978 1 4863 0796 8, \$59.95 (\$5)****The Bioeconomy****Davide Viaggi**

The "bioeconomy" is based on the idea of economic activity involving the sustainable exploitation of biological resources. This book illustrates the state of the art and perspectives in the development of the bioeconomy across the world, taking an economic and policy perspective, as well as identifying potential future pathways and issues for this subject. The first part of the book illustrates the current definitions, strategies, policy and economic information related to the bioeconomy in the world. The second describes current economic analysis and research effort in qualifying and understanding the economics of the bioeconomy. This includes the contribution of technology, research and innovation to the bioeconomy, driving forces and demand-side economics, supply side economics and matching demand and supply. The political economy of the bioeconomy, regulation, public policy and transitions are considered, and also the role of the bioeconomy to the economy, society, including growth,

development and sustainability.

October 2018**200 pp, 6 3/4" x 9 3/5"****Cloth, 978 1 78639 275 6, \$140.00 (\$6)****Corporate Social Responsibility**

Win-win Propositions for Communities, Corporates and Agriculture

S. P. Wani and K. V. Raju

This work was carried out in a collaboration between well-known corporates and an international research organization to enhance rural livelihoods and improve sustainable natural resources management. The book covers the philosophy and practices of CSR, emerging policies and their implications in India. Case studies explore climate-resilient agriculture, water footprint, improving livelihoods, diversification of crop pattern, enhancing crop productivity, sustainable development in low rainfall regions. Further chapters cover soil health improvement, improving rural wastewater management and enhancing rural livelihoods. The book has both macro and micro perspectives for a better understanding of CSR work and its critical benefits to both community and natural resources. This book will be useful to all corporations involved in CSR work, especially those with a larger interest in society and sustainable development of natural resources.

December 2018**192 pp, 6 1/4" x 9 1/4"****Cloth, 978 1 78639 451 4, \$160.00 (\$6)**

Corporate Social Responsibility in Management and Engineering

Edited by Carolina Machado and Joao Paulo Davim

Referring to an organization's responsibility for its impact on society, corporate social responsibility (CSR) is greatly relevant for the competitiveness, sustainability and innovation in the management and engineering arena of organizations, and the economy worldwide. Taking in account its these concerns, *Corporate Social Responsibility in Management and Engineering* covers the issues related to corporate social responsibility in management and engineering in a context where organizations are facing, day after day, high challenges for what concerns issues related to their social responsibility. The book looks to contribute to the exchange of experiences and perspectives about the state of the research related to CSR, as well as the future direction of this field of research. It looks to provide a support to academics and researchers, as well as those that operating in the management field need to deal with policies and strategies related to CSR.

Now Available
River Publishers Series in Management Sciences and Engineering
 210 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 61 7, \$105.00 (\$6)



The Multi Business Model Innovation Approach

PART 1

Edited by Peter Lindgren

It is argued in most academic literature that Business Model (BM) is a general model for how any business runs or should be run, it is the "blueprint of the business." Conversely it can be argued that no business has just one BM, one model on which it runs all its business or intends to run its business. In other words the BM can be used for "as-is" and "to-be" businesses.

However the research, in contrast to the other BM frameworks, indicates that businesses have more BMs—both "as-is" and "to-be" BMs—the multi business model approach. *The Multi Business Model Innovation Approach* addresses the concerns in the BM community and in BMI practice to just focus on the ideation and conceptualization of BMs.

Now Available
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 300 pp, 6 1/8" x 9 1/5"
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Towards Future Technologies for Business Ecosystem Innovation

Edited by Ramjee Prasad and Leo P. Ligthart

Towards Future Technologies for Business Ecosystem Innovation describes CONASENSE within the broad platform of the CTIF Global

Capsule (CGC) covering future technologies and its enablers, smart cities, telemedicine, crowd computing, satellite, unmanned air vehicles, cooperative wireless sensor network, remotely piloted aircraft systems, network neutrality as well as the virtual business model.

June 2018
River Publishers Series in Communications
 180 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 77 8, \$100.00 (\$6)
 Lib E-Book, 978 87 999237 0 0, \$75.00 (10)



COMPUTER SCIENCE

Algorithms and Applications for Academic Search, Recommendation and Quantitative Association Rule Mining

Emmanouil Amolochitis

Algorithms and Applications for Academic Search, Recommendation and Quantitative Association Rule Mining presents novel algorithms for academic search, recommendation, and association rule mining that have been developed and optimized for different commercial as well as academic purpose systems. Along with the design and implementation of algorithms, a major part of the work presented in the book involves the development of new systems both for commercial as well as for academic use.

Now Available
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 150 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 64 8, \$90.00 (\$6)



GDPR and Cyber Security for Business Information Systems

Antoni Gobeo, Connor Fowler and William J. Buchanan

The General Data Protection Regulation (GDPR) is the latest, and one of the most stringent, regulations regarding Data Protection to be passed into law by the European Union. Fundamentally, it aims to protect the Rights and Freedoms of all the individuals included under its terms; ultimately the privacy and security of all our personal data. This requirement for protection extends globally, to all organizations, public and private, wherever personal data is held, processed, or transmitted concerning any EU citizen.

CyberSecurity is at the core of data protection and there is a heavy emphasis on the application of encryption and state of the art technology within the articles of the GDPR. This is considered to be a primary method in achieving compliance with the law. Understanding the overall use and scope of CyberSecurity principles and tools allows for greater efficiency and more cost effective management of information systems.

August 2018

River Publishers Series in Security and Digital Forensics

350 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 13 6, \$70.00 (\$6)

Lib E-Book, 978 87 93609 12 9, \$52.50 (10)



Cryptocurrency and Blockchains

William J. Buchanan

Cryptocurrency and Blockchains outlines many of the key developments in building a more trustworthy world. It includes a background within the main methods used within creating data infrastructure which use Blockchain methods, and how these will change existing methods of authentication and identity provision. This will include a discussion of a range of application areas including with health care, law, finance and government services, and how smart contracts can be used to make transactions more trustworthy.

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Cybernetics in C++

Avi Bhattacharyya

C++ is a powerful, much sought after programming language, but can be daunting to work with, even for engineering professionals. *Cybernetics in C++* combines a theoretical overview and practical approach in one book, which should prove to be a useful reference for computer scientists, software programmers, engineers and students in this and related field.

Why is this book so useful? Have you ever wondered:

- How do keywords like static and virtual change their meanings according to context?
- What are the similarities and differences between Pointers and References, Pointers and Arrays, Constructors and Copy Constructors, Nested and Local Inner Classes?
- Why is Multiple Interface Inheritance seen to be beautiful but Multiple Implementation Inheritance considered evil?
- When is Polymorphism Static or Dynamic, Bounded or Unbounded?

Now Available

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Cloth, 978 87 93609 45 7, \$100.00 (\$6)

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High-Performance and Time-Predictable Embedded Computing

Edited by Luis Miguel Pinho, Eduardo Quinones, Marko Bertogna, Andrea Marongiu, Vincent Nelis, Paolo Gai and Juan Sancho

Nowadays, the prevalence of computing systems in our lives is so ubiquitous that we live in a cyber-physical world dominated by computer systems, from pacemakers to cars and airplanes. These systems demand more computational performance to process large amounts of data from multiple data sources with guaranteed processing times. Actuating outside of the required timing bounds may

cause the failure of the system, being vital for systems like planes, cars, business monitoring, e-trading, etc.

High-Performance and Time-Predictable Embedded Computing presents recent advances in software architecture and tools to support such complex systems, enabling the design of embedded computing devices which are able to deliver high-performance whilst guaranteeing the application required timing bounds.

July 2018

River Publishers Series in Information Science and Technology

250 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 69 3, \$105.00 (\$6)

Lib E-Book, 978 87 93609 62 4, \$78.75 (10)



Internet of Things Security

Fundamentals, Techniques and Applications

Edited by Shishir K. Shandilya, Soon Ae Chun, Smita Shandilya and Edgar Weippl

Internet of Things (IoT) security deals with safeguarding the devices and communications of IoT systems by implementing protective measures and avoiding procedures which can lead to intrusions and attacks. However, security was never the prime focus during the development of the IoT, hence vendors have sold IoT solutions without thorough preventive measures. The idea of incorporating networking appliances in IoT systems is relatively new, and hence IoT security has not always been considered in

the product design.

To improve security, an IoT device that needs to be directly accessible over the Internet should be segmented into its own network, and have general network access restricted. The network segment should be monitored to identify potential anomalous traffic, and action should be taken if a problem arises. This has generated an altogether new area of research, which seeks possible solutions for securing the devices, and communication among them.

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Practical LTE Based Security Forces PMR Networks

Arnaud Henry-Labordere

Security forces PMR networks are moving from proprietary technologies for their "Mission Critical Push-To-Talk" basic service, and their data services which must provide large bandwidth real-time access, to databases. LTE Based is adopted with backup access to public MNOs to complement their own radio coverage. Specific technologies such as multicasting of visio are required so the MCPTT works within a restricted bandwidth. The need to be able to change the main MNOs to provide resilient coverage requires specific choices of SIM cards, with OTAbility security domains.

Practical LTE Based Security Forces PMR

Networks assumes that the reader has a basic knowledge of the 4G network architecture and services, and the book focuses on the specific features and choices required to fulfill the need of security forces PMR networks. These include tactical and centralized, including LTE based voice services VoLTE and IMS. It can be used as a reference or textbook, with many detailed call flows and traces being included.

July 2018

River Publishers Series in Security and Digital Forensics

250 pp, 6 1/8" x 9 1/5"

Cloth, 978 87 93609 79 2, \$105.00 (\$6)

Lib E-Book, , 978 87 93609 78 5, \$78.75 (\$6)



Recent Advances in Information, Communications and Signal Processing

Edited by Andy W. H. Khong and Yong Liang Guan

Recent Advances in Information, Communications and Signal Processing provides students, researchers, and engineers information pertaining to recent advances in these fields. In terms of research in signal processing topics, the two chapters included in this book have an emphasis on advances in algorithmic development in the biomedical, and human-computer interfaces domain areas. More specifically, the use of deep learning for placental maturity staging is discussed as well as the use of vibration

(continued overleaf)

analysis for localizing impacts on surfaces for human-computer applications. In terms of communications signal processing, advances in new wireless communication such as NOMA (non-orthogonal multiple access) and millimeter-wave antenna design for 5G cellular mobile radio, as well as innovations in LDPC (low density parity check code) decoding and networking coding, are featured.

Now Available
River Publishers Series in Signal, Image and Speech Processing
 200 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 43 3, \$100.00 (\$6)
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The Web and Faith

Theological Analysis of Cyberspace Technologies

Ayse Kok

The Web and Faith provides a brief theology of technology, rooted in the Islamic tradition and oriented around the grand themes of creation, redemption and new creation. The book combines a concise, accessible style with penetrating cultural and theological analysis. Building on the work of Marshall McLuhan and Neil Postman, and drawing from a wide range of enlightened Islamic thinkers, the book situates computer technology within the big picture of the story of creation. Technology is not neutral, but neither is there an exclusively "faith-based" form of technological production and use. Instead, this book guides us to see the digital world as part of a larger creation, which is redeemable according to the law of faith.

Responsibly used, technology can become an integral part of religious wisdom world-wide.

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River Publishers Series in Information Science and Technology
 125 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 57 0, \$85.00 (\$6)
 Lib E-Book, 978 87 93609 56 3, \$63.75 (10)



ENGINEERING

Advanced Mathematical Techniques in Science and Engineering

Edited by Mangey Ram and Joao Paulo Davim

Advanced Mathematical Techniques in Science and Engineering focuses on a detailed range of mathematics applied within various fields of science and engineering for different tasks. Topics of focus include:

- Analysis of Consensus-Building Time in Social Groups
- Modeling of intersystem accidents in critical infrastructure systems
- Stochastic approaches to analysis and modeling of multi-sources and big data
- Performance evaluation of computational DoS attack on access point in Wireless LANs
- Ranking methods for decision-making under uncertainty
- Understanding time delay based Modeling & Diffusion of technological products
- Role of soft computing in science and engineering
- Complex system reliability analysis and

optimization

- Tree growth models in forest ecosystems modeling

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Advanced Polymeric Materials

Synthesis and Applications

Edited by Didier Rouxel, Sabu Thomas, Nandakumar Kalarikkal and Sajith T.A.

Recent advances in polymer research have led to the generation of high quality materials for various applications in day to day life. The synthesis of new functional monomers has shown strong potential in generating novel polymer materials with improved properties.

Advanced Polymeric Materials includes fundamentals and numerous examples of polymer blend preparation and characterizations. Developments in blends, polymer nanocomposites and its various characterization techniques are highlighted in the book.

Now Available
River Publishers Series in Polymer Science
 240 pp, 6 1/8" x 9 1/5"
 Cloth, 978 87 93609 68 6, \$100.00 (\$6)
 Lib E-Book, 978 87 93609 67 9, \$75.00 (10)



Evolution of Air Interface Towards 5G

Radio Access Technology and Performance Analysis

Suvra Sekhar Das and Ramjee Prasad

Wireless access networks have evolved extensively to support the tremendous growth of consumer traffic. This superlative growth of data consumption has come about due to several reasons, such as evolution of the consumer devices, the types of telephone and smartphone being used, convergence of services, digitization of economic transactions, tele-education, tele-medicine, m-commerce, virtual reality office, social media, e-governance, e-security, to name but a few.

The expectations from the services provided have increased many folds. The last mile/meters of delivery of all e-services is now required to be wireless. It has always been known that wireless links are the bottleneck to providing high data rates and high quality of service. Several wireless signaling and performance analysis techniques to overcome the hurdles of wireless channels have been developed over the last decade, and these are fueling the evolution of 4G towards 5G. *Evolution of Air Interface Towards 5G* attempts to bring out some of the important developments that are contributing towards such growth.

July 2018

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Introduction to Wireless Communication Circuits

Forouhar Farzaneh, Ali Fotowat, Mahmoud Kamarei, Ali Nikoofard and Mohammad Elmi

Over the past decade, tremendous development of wireless communications has changed human life and engineering. Considerable advancement has been made in design and architecture of related RF and microwave circuits. *Introduction to Wireless Communication Circuits* focuses on special circuits dedicated to the RF level of wireless communications. From oscillators to modulation and demodulation, and from mixers to RF and power amplifier circuits, all are presented in a sequential manner. A wealth of analytical relations is provided in the text alongside various worked out examples. Related problem sets are given at the end of each chapter. Basic concepts of RF Analog Circuit Design are developed in the book.

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Modulation Theory

Marcelo Sampaio de Alencar

In recent years, a considerable amount of effort has been devoted, both in industry and academia, towards the design, performance analysis and evaluation of modulation schemes to be used in wireless and optical networks and towards the development of the next and future generations of mobile cellular communication systems. *Modulation Theory* is intended to serve as a complementary textbook for courses dealing with Modulation Theory or Communication Systems, but also as a professional book, for engineers who need to update their knowledge in the communications area.

The book covers signal representations for most known waveforms, Fourier analysis, and presents an introduction to Fourier transform and signal spectrum, including the concepts of convolution, autocorrelation and power spectral density, for deterministic signals. It introduces the concepts of probability, random variables and stochastic processes, including autocorrelation, cross-correlation, power spectral and cross-spectral densities, for random signals, and their applications to the analysis of linear systems. This chapter also includes the response of specific non-linear systems, such as power amplifiers.

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Selected Topics in Power, RF, and Mixed-Signal ICs

Edited by Yan Lu and Chi-Seng Lam

Driven by advanced CMOS technology, power management units, RF transceivers, and sensors, analog and mixed-signal circuits can now be fully integrated with VLSI digital systems for applications ranging from mobile, internet-of-things (IoT), wearable, and implantable medical devices. Evidently, the circuit- and system-level innovations have pushed the device performance boundaries to become orders of magnitude higher, while keeping the same or even lower power consumption.

Selected Topics in Power, RF, and Mixed-Signal ICs provides a practical overview and state-of-the-art advancements on several selected topics in the areas of power, RF, and mixed-signal integrated circuits and systems.

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Ultra-Low Input Power Conversion Circuits based on Tunnel-FETs

David Cavalheiro, Francesc Moll and Stanimir Valtchev

The increasing demand in electronic portability imposes low power consumption as a key metric to analog and digital circuit design. Tunnel FET (TFET) devices have been explored mostly in digital circuits, showing promising results for ultra-low power and energy efficient circuit applications. The TFET

presents a low inverse sub-threshold slope (SS) that allows a low leakage energy consumption, desirable in many digital circuits, especially memories.

In this book, the TFET is explored as an alternative technology also for ultra-low power and voltage conversion and management circuits, suitable for weak energy harvesting (EH) sources. The TFET distinct electrical characteristics under reverse bias conditions require changes in conventional circuit topologies. In this book, ultra-low input power conversion circuits based on TFETs are designed and analyzed, evaluating their performance as rectifiers, charge pumps and power management circuits (PMC) for RF and DC EH sources.

June 2018

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TOURISM

Creating Experience Value in Tourism

SECOND EDITION

Edited by Nina K. Prebensen, Joseph S. Chen and Muzaffer Uysal

Research delivers a multitude of approaches to value creation, represented here as a set of definitions, perspectives, and interpretations of how tourists, as customers, create value alone and with others. Now updated to include new studies, the second edition of *Creating Experience Value in*

Tourism provides a clarification of these approaches as well as a practical translation as to how they can work within industry.

Concluding with a summary of the areas for future research, this is a key resource for researchers, particularly those interested in experience value and co-creation, as well as a useful read for students of tourism and related industries.

July 2018

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Chen: Indiana University

Uysal: University of Massachusetts

Degrowth in Tourism

Conceptual, Theoretical and Philosophical Issues

Konstantinos Andriotis

The modern-day world faces a hostile climate, depleted resources and the destruction of habitats. The dream that growth will lead to a materialistic utopia is left unfulfilled by a lack of ecological and economic capacity. The only choice is to find alternatives to increased growth, transform the structures and institutions currently shaping the world, change lifestyles and articulate a more credible vision for the future and lasting prosperity. As a reaction to the problems accrued by capitalism, new development approaches such as the concept of degrowth have evolved.

Degrowth in Tourism explores newly-emerging development and philosophical approaches that provide more equity for host communities and offer a low-carbon future by looking at alternatives to the classic

models of development and applying the concept of degrowth in a tourism context.

September 2018

232 pp, 6 3/4" x 9 3/5"

Cloth, 978 1 78639 278 7, \$140.00 (\$6)



Gender Equality and Tourism

Beyond Empowerment

Edited by Stroma Cole

With its questions on the extent to which tourism brings women empowerment, this book will be an engaging and thought-provoking read to students and researchers in the areas of tourism, gender studies, development and anthropology.

How far has tourism brought empowerment as autonomy, agency, and authority to the women working in and producing tourism experiences? What are the underlying reasons for the continued biases that hold some women back; or for others how tourism has allowed them to break free, resist and renegotiate gender norms at the personal and societal levels? The first of its kind this book questions on the extent to which tourism brings women empowerment. With global coverage it includes stories of individual women working in many aspects of tourism.

September 2018

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Paper, 978 1 78639 442 2, \$50.00 (\$6)



Managing Quality of Life in Tourism and Hospitality

Best Practice

Stefan Kruger, Muzaffer Uysal and M. Joseph Sirgy

This book brings together the latest findings within these areas from researchers and practitioners and delivers them to the forefront of knowledge application with examples in tourism and hospitality settings.

Quality-of-life research in tourism and hospitality has gained much momentum and can be classified in terms of three major categories: (1) quality-of-life research that focuses on tourists/guests and the impacts of specific tourism and hospitality programs on the overall quality of life of tourists/guests; (2) Quality-of-life research that focuses on employees of tourism/hospitality firms, such as the impact of work-life balance programs on front line service employees of hotels; and (3) quality-of-life research that focuses on tourist communities including the impact of green community programs on the quality of life of residents of tourist communities.

November 2018

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**Uysal: University of Massachusetts
Sirgy: Virginia Polytechnic Institute**

Pilgrimage in Practice

Narration, Reclamation and Healing

Edited by Ian S. McIntosh, E. Moore Quinn and Vivienne Keely

Pilgrimage in Practice: Narration, Reclamation and Healing provides an interdisciplinary approach to the topic. It reveals many aspects of the practice of pilgrimage, from its nationalistic facets to its effect on economic development; from the impact of the internet to questions of globalization; from pilgrimage as protest to pilgrimage as creative expression in such media as film, art and literature.

Perhaps best understood as a form of heritage tourism or tourism with a conscience, pilgrimage (as with touristic travel) contains a measure of transformation that is often deep and enduring, making it a fascinating area of study. Reviewing social justice in the context of pilgrimage and featuring a diverse collection of interdisciplinary voices from across the globe, this book is a rich collection of papers for researchers of pilgrimage and religious and heritage tourism.

June 2018

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**McIntosh: Indiana University Purdue University Indianapolis, Indiana
Quinn: College of Charleston**

ACADEMIC AND PROFESSIONAL TITLES

Tourism and Animal Welfare**Neil Carr and Donald M. Broom**

This book addresses the issue of animal welfare within the tourism experience. The first part explores the meaning of animal welfare and its relation to ethics, animal rights, and human obligations to animals. It also explores the nature and diversity of the position and role of animals within tourism.

Part Two builds upon concepts and ideas and reflects the views of a variety of animal welfare organizations and individual leaders, tourism industry organizations, tourism operators, and academic experts, about the nature of the tourism industry, the welfare needs of animals, and whether or how the two can co-exist. The case studies and opinion pieces that constitute this section encompass differing perspectives on animal welfare and tourism.

With contributions from Jane Goodall, Founder - the Jane Goodall Institute and UN Messenger of Peace.

July 2018**200 pp, 7 1/2" x 9 5/8"****Cloth, 978 1 78639 185 8, \$160.00 (\$6)****Paper, 978 1 78639 186 5, \$60.00 (\$6)****Religious Tourism in Asia****Edited by Shin Yasuda and Kevin A. Griffin**

The Asia-Pacific region is considered the world's religious core with the greatest number of pilgrims and travelers for religious events, for both international and domestic tourism. It is estimated that there are

approximately 600 hundred million national and international religious and spiritual voyages in the world, of which 40% take place in Europe, and over half in Asia.

This book addresses tourism and sacred sites within the region of Asia and the pilgrims that it beckons. Case studies from across the region present more practical examples of this hub of pilgrimage centers.

November 2018**CABI Religious Tourism and Pilgrimage Series****192 pp, 6 1/4" x 9 1/4", color illus****Cloth, 978 1 78639 234 3, \$160.00 (\$6)****Tourism, Health, Wellbeing and Protected Areas****Edited by Iride Azara, Elina Michopoulou, Federico Niccolini, B. Derrick Taff and Alan Clarke**

Around the world, as societies embrace a more integrated view of health, there is mounting evidence that parks and protected areas contribute to a healthy civil society. Outdoor recreation and tourism play an important role in individual human mental, physical, and spiritual health as well as in collective social wellbeing and natural resource stewardship.

While tourism and outdoor recreation revenue help to make the case for investing in park and protected area designation and management, tourism impacts need to be carefully managed so that visitors don't destroy the very natural wonders that attracted them to a destination in the first place. This book features contributions from

tourism and recreation researchers and practitioners exploring the relationship between tourism, hospitality, protected areas, livelihoods and both physical and emotional human wellbeing.

July 2018**228 pp, 6 3/4" x 9 3/5"****Cloth, 978 1 78639 131 5, \$140.00 (\$6)****Taff: Pennsylvania State University****PUBLIC HEALTH & MEDICINE****Chlamydiae and Chlamydial Infections****Svetoslav P. Martinov**

Chlamydiae are a group of obligate intracellular microorganisms with a homogeneous group-specific antigenic structure, and a unique mode of development. The infections caused by them are unprecedented and wide-spread throughout the world, including a broad range of hosts among domestic and animal species and humans, and a variety of clinical manifestations. The uniqueness of chlamydia pathology consists mainly in the fact that the agents of the individual diseases are so close in their biological properties that they are represented only by the single genus *Chlamydia*, which includes all currently recognized species.

June 2018**River Publishers Series in Research and Business Chronicles: Biotechnology and Medicine****225 pp, 6 1/8" x 9 1/5"****Cloth, 978 87 93609 51 8, \$110.00 (\$6)**

Lib E-Book, 978 87 93609 50 1, \$82.50 (10)



Civil Society and Health

Contributions and Potential

Scott L. Greer, Matthias Wismar, Gabriele Pastorino and Monika Kosinska

Civil Society Organizations (CSOs) can make a vital contribution to public health and health systems, but harnessing their potential is complex in a Europe where government-CSO relations vary so profoundly. This study is intended to outline some of the challenges and assist policy-makers in furthering their understanding of the part CSOs can play in tandem and alongside government. To this end it analyzes existing evidence and draws on a set of seven thematic chapters and six mini case studies. They examine experiences from Austria, Bosnia-Herzegovina, Belgium, Cyprus, Finland, Germany, Malta, the Netherlands, Poland, the Russian Federation, Slovenia, Turkey and the European Union and make use of a single assessment framework to understand the diverse contexts in which CSOs operate.

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Energy Balance and Obesity

Edited by Isabelle Romieu, Laure Dossus and William C. Willett

Understanding the relationship between energy balance and obesity is essential to develop effective prevention programs and policies. The International Agency for Research on Cancer convened a Working Group of world-leading experts in December 2015 to review the evidence regarding energy balance and obesity, with a focus on low- and middle-income countries, and to consider the following scientific questions:

(i) Are the drivers of the obesity epidemic related only to energy excess and/or do specific foods or nutrients play a major role in this epidemic?

(ii) What are the factors that modulate these associations?

(iii) Which types of data and/or studies will further improve our understanding?

This book provides summaries of the evidence from the literature as well as the Working Group's conclusions and recommendations to tackle the global epidemic of obesity.

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IARC Working Group Report 10

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Paper, 978 92 832 2519 5, \$24.00 (\$6)



Evaluation of Certain Food Additives

Eighty-fourth Report of the Joint FAO/WHO Expert Committee on Food Additives

World Health Organization

This report represents the conclusions of a Joint FAO/WHO Expert Committee (JECFA) convened to evaluate the safety of various food additives and to prepare specifications for the identity and purity of the food additives.

The first part of the report contains a general discussion of the principles governing the toxicological evaluation of compounds on the agenda and includes information requirements for submissions on products derived from natural sources. Also described are updates on activities relevant to JECFA from the Forty-ninth Session of the Codex Committee on Food Additives (CCFA), the International Programme on Chemical Safety (IPCS) and JECFA publications. Next is a summary of the Committee's evaluations of technical, toxicological and dietary exposure data for nine food additives: Brilliant Blue FCF; beta-carotene-rich extract from *Dunaliella salina*; Fast Green FCF; gum ghatti; Jagua (Genipin-Glycine) Blue; metatartaric acid; tamarind seed polysaccharide; tannins; and yeast extracts containing mannoproteins.

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ACADEMIC AND PROFESSIONAL TITLES

Evidence on mechanisms and tools for use of health information for decision-making**Victoria Blessing, Anoushka Dave and Peter Varnai**

The World Health Assembly in 2005 urged Member States to establish or strengthen knowledge transfer mechanisms to support evidence-informed health policies and health care delivery. The European Health Information Initiative was set up to strengthen the use of evidence, information and research for policy-making in the WHO European Region. This report describes tools and mechanisms that can help to increase the use of health information in policy development. Packaging tools include synthesis methods, such as policy briefs, and visualization methods. Application tools include surveillance data and modelling/simulation to explore the behavior and performance of processes and interventions. Dissemination and communication tools include health information-sharing platforms, newsletters and person-to-person communications. Finally, linkage and exchange tools such as knowledge networks facilitate the dissemination and refining of health information, thus increasing the chance of its translation into policy.

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**Global Tuberculosis Report 2017****World Health Organization**

WHO's Global Tuberculosis Report provides a comprehensive and up-to-date assessment of the TB epidemic and of progress in care and prevention at global, regional and country levels. This is done in the context of recommended global TB strategies and associated targets, and broader development goals. For the period 2016-2035, these are WHO's End TB Strategy and the United Nations' (UN) Sustainable Development Goals (SDGs), which share a common aim: to end the global TB epidemic.

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**Guideline**

Preventive Chemotherapy to Control Soil-transmitted Helminth Infections in At-risk Population Groups

World Health Organization

This guideline provides global, evidence-informed recommendations on preventive chemotherapy, as a public health intervention in areas endemic for soil-transmitted helminths, to decrease the worm burden of soil-transmitted helminth infection in children, adolescent girls, women of reproductive age and pregnant women, including those coinfectd with HIV.

The recommendations contained in this guideline are intended for a wide audience, including policymakers and their expert advisers as well as technical and program

staff at government institutions and organizations involved in the design, implementation and expansion of programs to control soil-transmitted helminth infections and nutrition-sensitive actions for a safe and hygienic environment to improve public health.

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**Guidelines on Hepatitis B and C Testing****World Health Organization**

Testing and diagnosis of hepatitis B (HBV) and C (HCV) infection is the gateway for access to both prevention and treatment services, and is a crucial component of an effective response to the hepatitis epidemic. Early identification of persons with chronic HBV or HCV infection enables them to receive the necessary care and treatment to prevent or delay progression of liver disease. Testing also provides an opportunity to link people to interventions to reduce transmission, through counselling on risk behaviors and provision of prevention commodities (such as sterile needles and syringes) and hepatitis B vaccination.

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Health Employment and Economic Growth

An Evidence Base

World Health Organization

Effectively addressing growing population need and economic demand for health workers stands as one of our foremost global challenges. It also represents an opportunity to secure a future that is healthy, peaceful and prosperous.

The contents of this book give direction and detail to a richer and more holistic understanding of the health workforce through the presentation of new evidence and solutions focused analysis. It sets out, under one cover, a series of research studies and papers that were commissioned to provide evidence for the High-Level Commission on Health Employment and Economic Growth.

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IARC Biennial Report 2016-2017

International Agency for Research on Cancer

This Biennial Report of the International Agency for Research on Cancer (IARC) provides a summary of the activities of the Agency during the 2016-2017 biennium. These activities span research areas including descriptive epidemiology, cancer registration and analysis of data on cancer occurrence and trends, basic research into the genetic

and molecular aspects of cancer development, pathogenesis, and prevention studies. This report demonstrates the high scientific quality of the work emanating from the Agency and the direct relevance of the findings to cancer control and prevention.

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Integrating Neglected Tropical Diseases in Global Health and Development

Fourth WHO report on neglected tropical diseases

World Health Organization

Advances have been made through expanded interventions delivered through five public health approaches: innovative and intensified disease management; preventive chemotherapy; vector ecology and management; veterinary public health services; and the provision of safe water, sanitation and hygiene. In 2015 alone nearly one billion people were treated for at least one disease and significant gains were achieved in relieving the symptoms and consequences of diseases for which effective tools are scarce; important reductions were achieved in the number of new cases of sleeping sickness, of visceral leishmaniasis in South-East Asia and also of Buruli ulcer.

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Invasive Species and Human Health

Edited by Giuseppe Mazza and Elena Tricarico

The book includes contributions of leading researchers for this issue, synthesizing for the first time the impact of alien invasive species on human health. Covering a wide range of case studies from different taxa (animals and plants), and giving an overview of the diverse impacts of invasive species on health in developed and developing countries, it is a valuable contribution that will help in prioritizing approaches to controlling invasive species and mitigating their health effects.

September 2018

CABI Invasives Series 10

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Iodine Thyroid Blocking

Guidelines for use in planning for and responding to radiological and nuclear emergencies

World Health Organization

These guidelines are an update of the 1999 World Health Organization (WHO) guidance on the use of iodine thyroid blocking (ITB) with a special focus on public health considerations of ITB implementation. These guidelines provide a recommendation on iodine thyroid blocking (ITB), via oral administration of stable iodine, as an urgent protective action in responding to a nuclear accident. The scope of the guidelines is

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

confined to public health aspects of planning and implementation of ITB before and during a radiation emergency, such as dosage and timing of ITB administration, adverse effects of stable iodine, its packaging, storage, and distribution.

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Lyme Disease

An Evidence-based Approach

SECOND EDITION

Edited by John Jay Halperin

This new edition of *Lyme Disease* provides up-to-date evidence-based research and covers the significant advances in our understanding of the disorders referred to as Lyme disease or Lyme borreliosis. This book explores the causative organism, its requisite ecosystem, disease epidemiology, host-*Borrelia* interactions, diagnostic testing, clinical manifestations, therapeutic options, the role of host immunity on pathogenesis and long term prognosis. The authors provide balanced perspectives on all aspects of Lyme disease and explicitly review both the basic biology of the infection and practical clinical aspects.

Presented in full color throughout, this edition:

- Includes new borrelial pathogens that have been identified (*B. miyamotoi*, *B. mayonii* and *B. bavariensis* among others).

Progress on Drinking-water, Sanitation and Hygiene

2017 Update and SDG Baselines

World Health Organization

The JMP 2017 update report presents indicators and baseline estimates for the drinking water, sanitation and hygiene targets within the Sustainable Development Goals (SDGs). The report introduces the indicators

of safely managed drinking water and sanitation services, which go beyond use of improved facilities, to include consideration of the quality of services provided. For the first time, hygiene estimates are reported for 70 countries.

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Quality Assurance of Pharmaceuticals 2017

WHO Guidelines, Good Practices, Related Regulatory Guidance and GXP Training Materials

World Health Organization

Quality assurance of pharmaceutical products is a continuing concern of the World Health Organization (WHO). Despite efforts made around the world to ensure a supply of quality and effective medicines, substandard products still compromise health-care delivery in many countries.

To respond to the global need for adequate quality assurance of pharmaceuticals, WHO's Expert Committee in Specifications for Pharmaceutical Preparations has, over the years, made numerous recommendations to establish standards and guidelines and to promote the effective functioning of national regulatory and control systems, and the implementation of internationally-agreed standards by trained personnel. More than 80 relevant international guidelines, standards and good practices endorsed by the Committee are reproduced in this volume, providing

- Provides updated information on the molecular biology of the organism, neuroborreliosis, and the role of the C6 peptide in diagnosis.
- Discusses the controversies about "chronic Lyme disease," post Lyme disease syndrome and other ongoing but non-specific symptoms that have been attributed to this infection.

As the endemic footprint of Lyme disease continues to grow, this book provides a broad and detailed guide for clinicians and researchers involved with the diagnosis and treatment of the condition. Covering biology, epidemiology and therapeutics, it is also essential reading for students of global health and infectious disease.

September 2018

288 pp, 6 3/4" x 9 3/5", full-color throughout

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Halperin: Overlook Medical Center (NJ)

guidance covering all aspects of quality assurance, including good manufacturing practices (GMP).

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Responding to Children and Adolescents Who Have Been Sexually Abused

WHO Clinical Guidelines

World Health Organization

Sexual abuse of children and adolescents is a gross violation of their rights and a global public health problem. It adversely affects the health of children and adolescents. Health care providers are in a unique position to provide an empathetic response to children and adolescents who have been sexually abused. Such a response can go a long way in helping survivors recover from the trauma of sexual abuse.

WHO has published new clinical guidelines *Responding to Children and Adolescents Who Have Been Sexually Abused* aimed at helping front-line health workers, primarily from low resource settings, in providing evidence-based, quality, trauma-informed care to survivors. The guidelines emphasize the importance of promoting safety, offering choices and respecting the wishes and autonomy of children and adolescents. They cover recommendations for post-rape care and mental health; and approaches to minimizing distress in the process of taking medical history, conducting examination and documenting findings.

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A review of evidence on equitable delivery, access and utilization of immunization services for migrants and refugees in the WHO European Region

Elisabetta De Vito, Paolo Parente, Chiara de Waure, Andrea Poscia and Walter Ricciadi

This review focuses on existing immunization policies and practices for migrants and refugees and provides an overview of barriers and facilitators for access to and utilization of immunization services. The review highlights that vaccination policies tailored to migrants and refugees are very heterogeneous among WHO European Region Member States. By comparison, common barriers for the implementation and utilization of immunization services can be identified across countries. Outlined policy options are intended to strengthen information about immunization for migrants and refugees, support future evidence-informed policy-making, enable the achievement of national vaccination coverage goals and improve the eligibility of migrants and refugees to access culturally competent immunization services.

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Health Evidence Network Synthesis Report 53

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Safety Evaluation of Certain Food Additives and Contaminants

Eighty-second Meeting of the Joint FAO/WHO Expert Committee on Food Additives (JECFA)

World Health Organization

The toxicological and dietary exposure monographs in this volume summarize the safety and dietary exposure data on eight specific food additives (Allura Red AC; carob bean gum; pectin; Quinoline Yellow; rosemary extract; steviol glycosides; tartrazine; and xanthan gum) and five groups of related flavoring agents (alicyclic, alicyclic-fused and aromatic-fused ring lactones; aliphatic and aromatic amines and amides; aliphatic secondary alcohols, ketones and related esters; cinnamyl alcohol and related substances; and tetrahydrofuran and furanone derivatives).

This volume and others in the *WHO Food Additives Series* contain information that is useful to those who produce and use food additives and veterinary drugs and those involved with controlling contaminants in food, government and food regulatory officers, industrial testing laboratories, toxicological laboratories and universities.

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WHO Food Additives Series 73

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ACADEMIC AND PROFESSIONAL TITLES

The Selection and Use of Essential Medicines

Report of the WHO Expert Committee, 2017 (including the 20th WHO Model List of Essential Medicines and the 6th WHO Model List for Children)

World Health Organization

This report presents the recommendations of the WHO Expert Committee responsible for updating the WHO Model Lists of Essential Medicines. It contains a summary of the Committee's considerations and justifications for additions and changes to the Model Lists, including its recommendations. Annexes to the main report include the revised version of the WHO Model List of Essential Medicines (20th edition) and the WHO Model List of Essential Medicines for Children (6th edition). In addition there is a list of all the items on the Model Lists sorted according to their Anatomical Therapeutic Chemical (ATC) classification codes.

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Paper, Nov 2017, 978 92 4 121015 7,
\$108.00 (\$6)

**Soft and Stiffness-controllable Robotics Solutions for Minimally Invasive Surgery**

The STIFF-FLOP Approach

**Edited by Jelizaveta Konstantinova,
 Helge Wurdemann, Ali Shafti, Ali
 Shiva and Kaspar Althoefer**

Soft and Stiffness-controllable Robotics Solutions for Minimally Invasive Surgery presents the results of a research project funded by the European Commission, STIFF-FLOP: STIFFness controllable Flexible and Learn-able manipulator for surgical Operations.

In Minimally Invasive Surgery (MIS), tools go through narrow openings and manipulate soft organs that can move, deform, or change stiffness. There are limitations on modern laparoscopic and robot-assisted surgical systems due to restricted access through Trocar ports, lack of haptic feedback, and difficulties with rigid robot tools operating inside a confined space filled with organs. Also, many control algorithms suffer from stability problems in the presence of unexpected conditions. Yet biological "manipulators," like the octopus arm can manipulate objects while controlling the stiffness of selected body parts and being inherently compliant when interacting with objects. The STIFF-FLOP robot is an innovative soft robotic arm that can squeeze through a standard MIS, reconfigure itself and stiffen by hydrostatic actuation to perform compliant force control tasks while facing unexpected situations.

June 2018
**River Publishers Series in Automation,
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