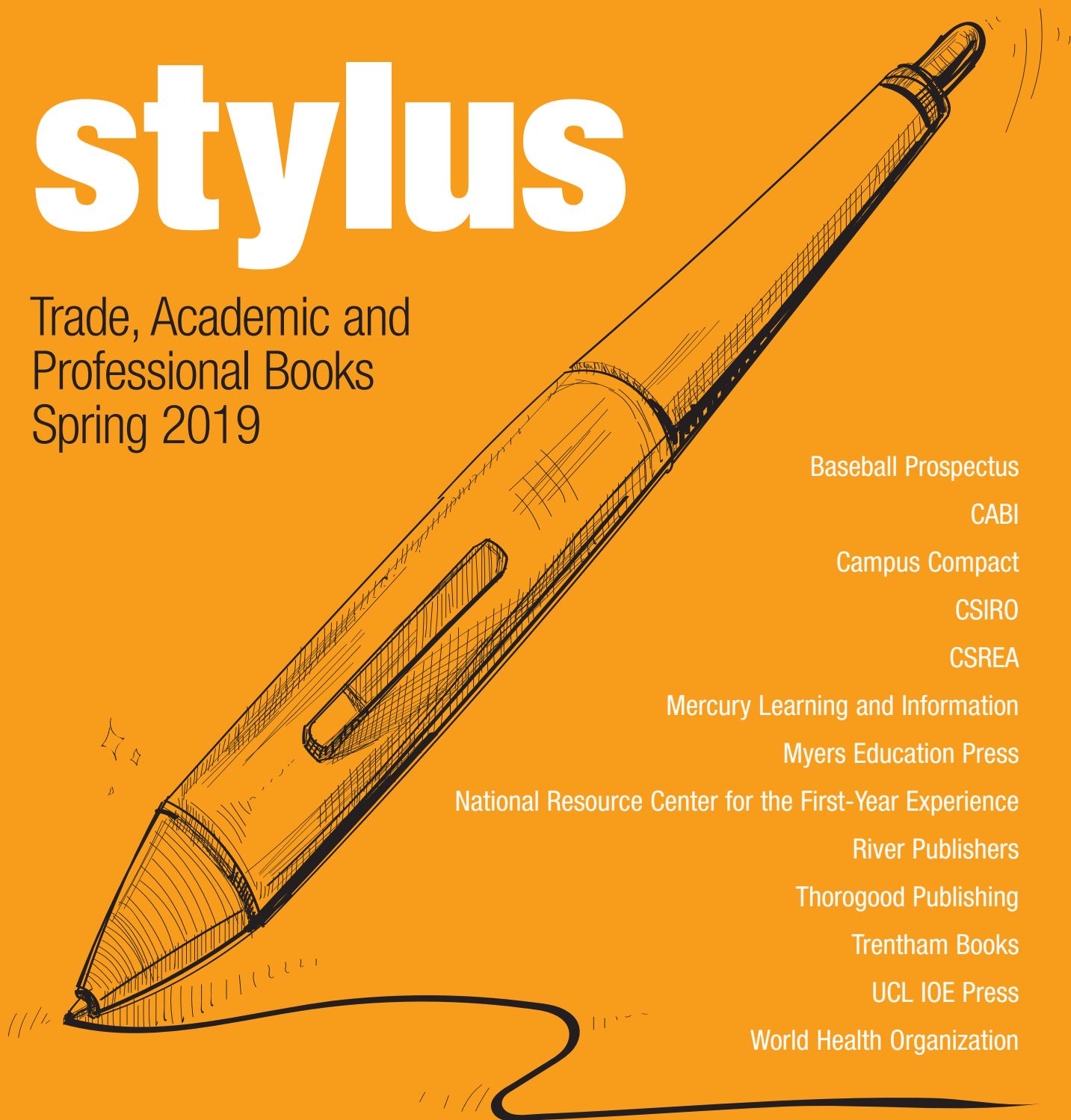


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Trade, Academic and
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Spring 2019



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The Productive Graduate Student Writer

A Guide to Managing Your Process, Time, and Energy to Write Your Research Proposal, Thesis, and Dissertation, and Get Published

Jan E. Allen

This book is for graduate students, and others, who want to become more productive writers. It's especially written for those who want to:

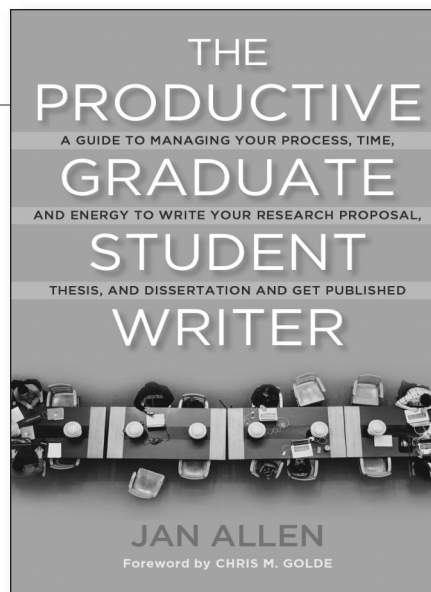
- increase their motivation, focus, and persistence to move a project to completion
- overcome procrastination and perfectionistic tendencies
- reduce (or write in spite of) their anxiety and fear of writing
- manage their time, work, energy (and advisor) for greater productivity

The process or craft of sustained writing is not a matter that's taught to undergraduate or graduate students as part of their studies, leaving most at sea about how to start a practice that is central to a career in academe and vital in many other professional occupations. This book grew out of conversations Jan Allen has held with her graduate students for over 30 years and reflects the fruit of the writing workshops and boot camps she has conducted at three universities, her own and numerous colleagues' experiences with writing and advising, as well as the feedback she receives from her popular Productive Writer listserv.

While Jan Allen recognizes that writing is not an innate talent for most of us, she demonstrates that it is a process based on skills, which we can identify, learn, practice and refine. She focuses both on the process and habits of writing as well as on helping you uncover what kind of writer are you, and reflect on your challenges and successes. With a light touch and an engaging sense of humor, she proposes strategies to overcome procrastination and distractions, and build a writing practice to enable you to become a more productive and prolific writer.

Jan Allen proposes that you read one of her succinct chapters – each devoted to a specific strategy or writing challenge – each day, or once a week. When you find one that increases your concentration, motivation or endurance, make it a habit. Try it for two weeks, charting the resulting increased productivity. It will become part of your repertoire of writing and productivity tools to which you can progressively add.

The Author: Jan E. Allen is Associate Dean for Academic and Student Affairs in the Graduate School at Cornell University. Prior to that she was a faculty member at the University of Tennessee (1982-2002) and assistant dean in the Graduate School (1997-2001); associate dean in the Graduate School at Northwestern University (2002-2005); and associate dean for PhD programs at Columbia University (2005-2012).



May 2019

180 pp, 5 1/2 x 8 1/4

Paper, 978 1 62036 891 6, \$21.00 (\$3)

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HIGHER EDUCATION/ WRITING

GENERAL INTEREST

Straddling Class in the Academy

26 Stories of Students, Administrators, and Faculty from Poor and Working Class Backgrounds and Their Compelling Lessons for Higher Education Policy and Practice

Edited by Sonja Ardoin and becky martinez
Foreword by Rev. Dr. Jamie Washington

Why do we feel uncomfortable talking about class? Why is it taboo? Why do people often address class through coded terminology like trashy, classy, and snobby? How does discriminatory language, or how do conscious or unconscious derogatory attitudes, or the anticipation of such behaviors, impact those from poor and working class backgrounds when they straddle class?

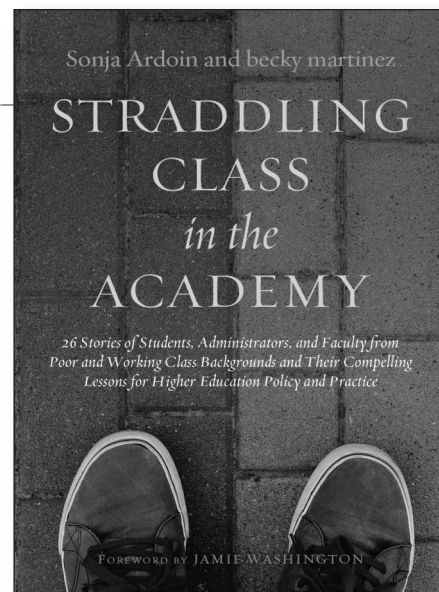
Through 26 narratives of individuals from poor and working class backgrounds – ranging from students, to multiple levels of administrators and faculty, both tenured and non-tenured – this book provides a vivid understanding of how people can experience and straddle class in the middle, upper, or even elitist class contexts of the academy.

Through the powerful stories of individuals who hold many different identities, and naming a range of ways they identify in terms of race, ethnicity, gender, sexuality, age, ability, and religion, among others, this book showcases how social class identity and classism impact people's experience in higher education and why we should focus more attention on this dimension of identity.

The book opens by setting the foundation by examining definitions of class, discussing its impact on identity, and summarizing the literature on class and what it can tell us about the complexities of class identity, its fluidity, sometimes performative nature, and the sense of dissonance it can provoke.

This book brings social class identity to the forefront of our consciousness, conversations, and behaviors and compels those in the academy to recognize classism and reimagine higher education to welcome and support those from poor and working class backgrounds. Its concluding chapter proposes means for both increasing social class consciousness and social class inclusivity in the academy. It is a compelling read for everyone in the academy, not least for those from poor or working class backgrounds who will find validation and recognition and draw strength from its vivid stories.

The Editors: Sonja Ardoin is a learner, educator, and facilitator. Currently serving as a Clinical Assistant Professor of Higher Education at Boston University, Sonja originates from "Cajun country" and began her higher education career as a first generation student at Louisiana State University, earning a B.S. in Secondary Education. She later attained a M.S. in Higher Education and Student Affairs from Florida State University and a Ph.D. in Educational Research and Policy Analysis from North Carolina State University. She authored *The Strategic Guide to Shaping Your Student Affairs Career*.



dr. becky martinez is a consultant and trainer with an emphasis on social justice, leadership and organizational change. Her work focuses on dismantling systems of oppression through critical dialogue and reflection intertwined with theoretical foundations. becky's career portfolio includes being a business owner as an organization development consultant and, prior to that, working as an administrator at both public and private institutions. She is a faculty member for the Social Justice Training Institute, a Co-Lead Facilitator for the LeaderShape Institute, a certified trainer for the Gay, Lesbian, & Straight Educational Network and works with a Title I elementary school in California focused on going to college.

April 2019

288 pp, 5 1/2 x 8 1/4

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Understanding the Latinx Experience

Developmental and Contextual Influences

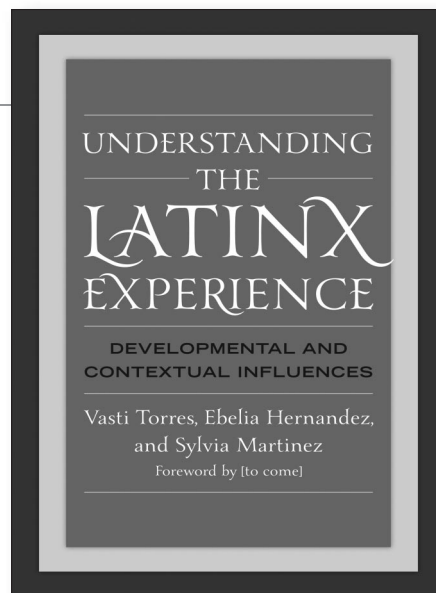
Vasti Torres, Ebelia Hernandez and Sylvia Martinez
Foreword by Sarita E. Brown and Deborah Santiago

The dramatic growth of this population in the U.S. requires a considerably deeper understanding of individuals that share this multifaceted identity. This timely book synthesizes new research and its implications for practice that is critical for professionals working with Latinos in educational and counseling contexts.

The authors provide insight into identity development, environmental influences, and how these factors influence persistence in higher education. By using a synthesis approach to organize multiple studies around how being Latinx influences the experiences of students in college and beyond, the authors offer a holistic view of the Latino population.

Practitioners will learn about practices that help Latinx college students. Faculty and researchers will gain new understandings of the Latinx experience, and discover a starting point for further reflection and investigation.

The Authors: Vasti Torres is a professor in the Center for the Study of Higher and Postsecondary Education (CSHPE) and an associate faculty member of Latina/o Studies at University of Michigan. Ebelia Hernandez is an Associate Professor at the Graduate School of Education, Rutgers University. Sylvia Martinez is Associate Professor, Educational Leadership and Policy Studies and Latino Studies at Indiana University, Bloomington.



March 2019

156 pp, 6 x 9, 9 figs & 10 tables

Paper, 978 1 57922 315 1, \$35.00 (\$3)

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HIGHER EDUCATION/ LATINX STUDIES

Baseball Prospectus Futures Guide 2019

Baseball Prospectus

Futures Guide 2019 features:

- Detailed reports on top 10 prospects for every major-league team.
- Condensed reports on many additional key prospects for each team.
- Top talents 25 years old and younger for each team.
- Baseball Prospectus' 2019 organizational rankings.
- Top 101 real-life and fantasy prospects.
- Top 50 players who entered pro baseball in 2019.
- Essays on prospect hype cycles and what scouting grades mean.

The Author: Baseball Prospectus is an organization devoted to the sabermetric analysis of baseball. BP has a staff of regular columnists and provides advanced statistics as well as player and team performance projections on its website and in publications.

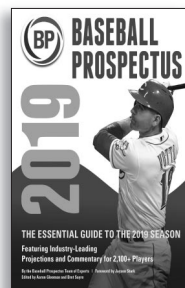
April 2019

410 pp, 8 1/2 x 11

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SPORTS/ BASEBALL



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These portable team editions of the full 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 expect, but focused on your favorite organization. Each also feature detailed reports on top 10 prospects for the team, including fantasy values and commentary. Take it out to the ball game or wherever you follow your team!

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All titles February 2019

SPORTS/ BASEBALL

Australian Birds of Prey in Flight

A Photographic Guide

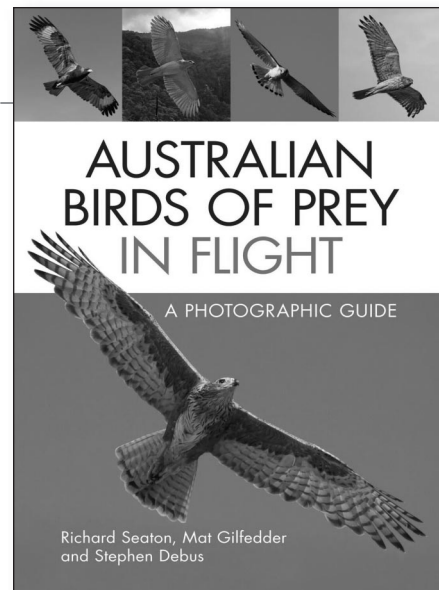
Richard Seaton, Mat Gilfedder and Stephen Debus

Birds of prey spend most of their time in flight and when viewed from the ground, they are notoriously hard to identify. *Australian Birds of Prey in Flight* is a photographic guide to the eagles, hawks, kites and falcons flying high above you. Individual species profiles describe distinguishing features and the text is supported by detailed images showing the birds at six different angles and poses, using photographs from many of Australia's leading bird photographers. Annotated multi-species comparison plates highlight key features that can help differentiate birds of prey in flight.

Features:

- First guide to focus solely on helping you to identify Australian birds of prey in flight.
- Coverage of 26 birds of prey, including all resident Australian species, as well as 2 regular visitors.
- Lavishly illustrated with photographs from many Australian bird photographers.
- Photographic plates combine multiple photographs of birds at different angles of flight for easier comparison of key characteristics.
- Detailed text and annotated photographs to explain the key features and markers that help you to identify that distant flying bird of prey.

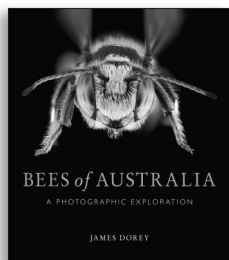
The Authors: Richard Seaton works as a Regional Ecologist for the Australian Wildlife Conservancy in north-east Australia. He has worked on and researched birds of prey in New Zealand, Mauritius, the UK and Madagascar and most recently the Red Goshawk in Australia. Mat Gilfedder is a Senior Research Scientist with CSIRO, and an Adjunct Senior Fellow with the School of Earth and Environmental Sciences at the University of Queensland. He chairs the national steering committee for eBird Australia. Stephen Debus works as an independent ecological consultant, and is an honorary research associate in zoology at the University of New England, with a lifetime of published studies on Australian raptors.



May 2019

**144 pp, 5 4/5 x 8 1/2, color photos & maps
Paper, 978 1 4863 0866 8, \$31.95 (\$5)**

NATURE/ ORNITHOLOGY



Bees of Australia

A Photographic Exploration

James Dorey

Bees are the darlings of the insect world. It is a joy to see these insects hard at work, peacefully buzzing from flower to flower. Many people recog-

nize the worth of bees, as well as that they face multiple threats. But very few know about the diversity and importance of Australian native bee species. There are an estimated 2,000 to 3,000 bee species in Australia, yet we know very little about the vast majority of these and there are many that are yet to be described.

Bees of Australia introduces Australia's native bees. Open this book wherever you like or read it from cover to cover. The combination of photography and contributions from some of Australia's leading bee researchers allows anyone to become enthralled by Australia's native bees. Don't be surprised if you find yourself looking closer at every flower that you pass in search of these wonderful bees.

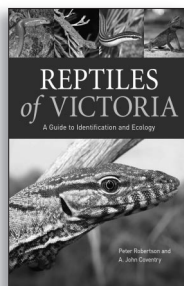
The Author: James Dorey is undertaking a PhD on the evolution, taxonomy and ecology of Australian native bees at Flinders University, Adelaide. His stunning macro photographs have been published in books and magazines, and have been honored in national and international photography competitions. He is amazed at the hidden diversity of bees.

January 2019

232 pp, 10 x 8 7/8, color photos & illus

Paper, 978 1 4863 0849 1, \$39.95 (\$5)

NATURE/ ENTOMOLOGY



Reptiles of Victoria

A Guide to Identification and Ecology

Peter Robertson and A. John Coventry

Victoria's reptile population is not often encountered by urban dwellers, with many species rare or threatened. You may have

glimpsed a skink darting into the undergrowth, a snake slithering along a walking path or a blue-tongued lizard sunning itself near your garden shed. Yet the turtles, skinks, geckos, goannas, snakes and other reptiles that call Victoria home are fascinating and important members of the urban and rural ecosystems.

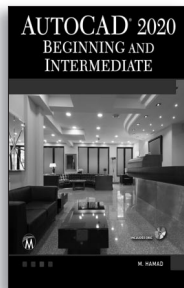
Reptiles of Victoria is the first publication to describe all reptiles known to occur within Victoria. It contains keys and illustrated descriptions to allow identification of all 123 native, introduced and vagrant reptile species and describes their biology, ecology, distributions and the habitats in which they live. It also indicates the level of risk that the venomous snakes pose to humans and includes a brief section on first aid for snake bites. Natural history enthusiasts and professional and amateur herpetologists will find this an essential guide.

June 2019

336 pp, 6 5/8 x 9 5/8, color photos, maps, illustrations

Paper, 978 0 643 09393 5, \$39.95 (\$5)

NATURE/ REPTILES



AutoCAD 2020 Beginning and Intermediate

Munir Hamad

This book is the most comprehensive book you will find on AutoCAD 2020 – 2D Drafting. Covering all of the 2D concepts, it uses both metric and imperial units to illustrate the myriad drawing and editing tools for this popular application. Use the companion disc to set up drawing exercises and projects and see all of the book's figures in color. *AutoCAD 2020 Beginning and Intermediate* includes over 100 exercises or "mini-workshops," that complete small projects from concept through actual plotting. Solving all of the workshops will simulate the creation of three projects (architectural and mechanical) from beginning to end, without overlooking any of the basic commands and functions in AutoCAD 2020.

Features:

- Covers only the basics and uses both metric and imperial units to illustrate the myriad tools for this popular application
- CD can be used to set up in-text drawing exercises and projects and to see the book's figures in color
- Helps you to prepare for the *AutoCAD Certified Professional* exam.

The Author: Munir Hamad is an Autodesk Approved Instructor and certified AutoDesk AutoCAD Master who has authored several AutoCAD titles and taught various levels of AutoCAD training.

May 2019

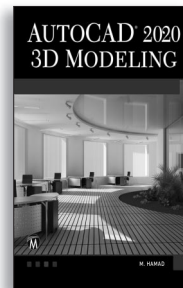
850 pp, 7 x 9

Paperback & CD-ROM, 978 1 68392 391 6, \$79.95 (\$7)

E-Book, 978 1 68392 392 3, \$39.95 (\$7)

Lib E-Book, 978 1 68392 393 0, \$179.95 (10)

CAD/ GRAPHICS



AutoCAD 2020 3D Modeling

Munir Hamad

This book provides new and seasoned users with step-by-step procedures on creating and modifying 3D models, working with cameras and lights, assigning materials to objects, rendering, and printing.

Unlike many AutoCAD competitors, it uses both metric and imperial units to illustrate the myriad tools for this popular application. Use the companion CD to set up drawing exercises and projects and see all of the book's figures including color. *AutoCAD 2020 3D Modeling* includes 50 "mini-workshops," that complete small projects from concept through actual plotting. Solving all of the workshops will simulate the creation of full projects (architectural and mechanical) from beginning to end, without overlooking any of the basic commands and functions in AutoCAD 2020.

Features:

- Provides new and seasoned users with step-by-step procedures on creating and modifying 3D models in both metric and imperial units
- CD can be used to set up in-text drawing exercises and projects and to see the book's figures in color.

April 2019

450 pp, 7 x 9

Paperback & CD-ROM, 978 1 68392 379 4, \$59.95 (\$7)

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Lib E-Book, 978 1 68392 381 7, \$124.95 (10)

CAD/ GRAPHICS



Autodesk Revit 2020 Architecture

A Self-Teaching Introduction

Munir Hamad

Covering all of the major techniques, this book uses both metric and imperial units to illustrate the myriad drawing and editing tools for this popular application. Use the companion files to set up drawing exercises and projects and to see all of the book's figures. *Autodesk Revit 2020 Architecture* includes over 50 "mini-workshops" that complete small projects from concept through actual plotting. Solving all of these workshops will help to master Revit Architecture from beginning to end, without overlooking any of the basic commands and functions.

Features:

- Uses both metric and imperial units to illustrate the myriad drawing and editing tools of this popular application
- Includes over 50 "mini-workshops" and hundreds of figures that complete small projects
- Helps you to prepare for the *Revit Architecture Certified Professional* exam
- Exercises and projects included for use as a textbook

June 2019

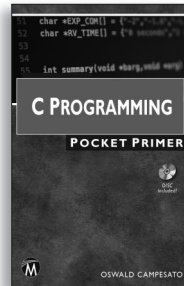
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Lib E-Book, 978 1 68392 396 1, \$124.95 (10)

CAD/ GRAPHICS/ ARCHITECTURAL



C Programming Pocket Primer

Oswald Campesato

As part of the *Pocket Primer* series, this book provides an overview of the major concepts to program in the language of C. Companion files with source code from the book and figures are included.

Features:

- Provides an overview of the most important C programming techniques
- Covers latest C code protocols
- Includes CD with source code, projects, and figures

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

Pocket Primer

January 2019

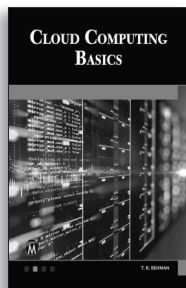
200 pp, 6 x 9

Paperback & CD-ROM, 978 1 68392 388 6, \$39.95 (\$7)

E-Book, 978 1 68392 389 3, \$24.95 (\$7)

Lib E-Book, 978 1 68392 390 9, \$124.95 (10)

PROGRAMMING/ C



Cloud Computing Basics

T. B. Rehman

This book is designed for use as a primary textbook for a course in cloud computing or as a resource for professionals in industry seeking to explore cloud services. The book highlights the recent developments in distributed computing and details the architecture, virtualization concepts, and security concerns of cloud computing. It also provides a detailed understanding of the benefits of cloud computing that can encourage enterprises to switch to the cloud.

Features:

- Provides a basic understanding of the computing paradigm of cloud computing
- Gives a brief introduction to cloud computing, its architecture, and the Hadoop distributed file system
- Deals with cloud management concepts like scalable, fault tolerance, resiliency, provisioning, asset management, cloud governance, high availability, disaster recovery, and multi-tenancy
- Includes case studies on MS Azure, Google, Amazon Web Services, Aneka, etc.

December 2018

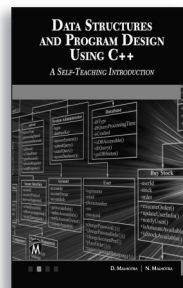
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COMPUTERS/ CLOUD COMPUTING



Data Structures and Program Design Using C++

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. This 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.

The Authors: D. Malhotra is a university professor who teaches courses in computer science and has written numerous journal articles. N. Malhotra is a university professor who teaches courses in computer science and has written numerous journal articles.

January 2019

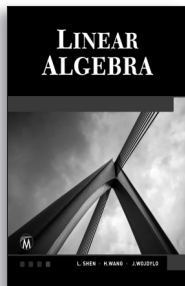
450 pp, 7 x 9

Paper, 978 1 68392 370 1, \$79.95 (\$7)

E-Book, 978 1 68392 371 8, \$39.95 (\$7)

Lib E-Book, 978 1 68392 372 5, \$179.95 (10)

PROGRAMMING/ C++



Linear Algebra

L. Shen, Haohao Wang and J. Wojdylo

Linear algebra is one of the most widely used mathematical theories around, and has applications in virtually every area of mathematics, including multivariate calculus, differential equations, and probability

theory. The purpose of this book is to bridge the gap between the abstract theoretical aspects and the computational applications of linear algebra. The aim of this book is two-fold: to introduce the fundamental concepts of linear algebra and to apply the theorems in computation-oriented applications.

Features:

- Covers theory and applications emphasizing topics useful in other disciplines
- Presents a brief introduction of some aspects of abstract algebra that relate directly to linear algebra, such as groups, rings, modules, fields and polynomials over fields.

The Authors: L. Shen is a professor of Mathematics at the University of the Chinese Academy of Science. Haohao Wang is a professor of Mathematics at Southeast Missouri State University. J. Wojdylo is a professor of Mathematics at the Southeast Missouri State University.

February 2019

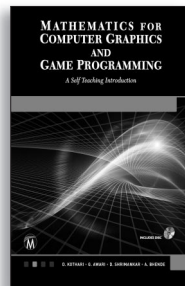
350 pp, 7 x 9

Hardback, 978 1 68392 376 3, \$89.95 (\$7)

Lib E-Book, 978 1 68392 378 7, \$179.95 (10)

E-Book, 978 1 68392 377 0, \$44.95 (\$7)

MATHEMATICS/ LINEAR ALGEBRA



Mathematics for Computer Graphics and Game Programming

A Self-Teaching Introduction

D. P. Kothari, G. Awari, D. Shrimankar and A. Bhende

Designed to explain the mathematical concepts involved in computer graphics and its entities, this book is ideal for courses in computer graphics, engineering, game development, as well as for professionals in industry. It begins with simple concepts such as how an image is generated on the screen and then moves to cover the different algorithms for the generation of simple geometry on the screen. The following chapters include two-dimensional and three-dimensional transformations, parametric representation of planar curves and parametric representation of space curves such as cubic splines, Bezier curves, etc. In addition to programming in C, OpenGL, and several other topics, it includes a final chapter on the methods of generating 3D models.

Features:

- Companion files with models, textures, and figures
- Includes chapters on programming graphics in C and OpenGL.

January 2019

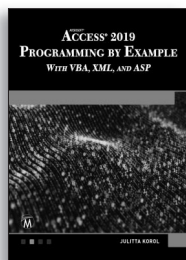
400 pp, 7 x 9

Paperback & CD-ROM, 978 1 68392 356 5, \$69.95 (\$7)

Lib E-Book, 978 1 68392 357 2, \$149.95 (10)

E-Book, 978 1 68392 355 8, \$35.95 (\$7)

MATHEMATICS/ GAME PROGRAMMING



Microsoft Access 2019 Programming by Example with VBA, XML, and ASP

Julitta Korol

Microsoft Access 2019 Programming by Example with VBA, XML, and ASP takes non-programmers through detailed steps of creating Access databases from scratch and shows them how to retrieve and manage their data programmatically using various programming languages and techniques. With more than 275 applied examples and 10 projects, Access users can quickly build database solutions with Data Access Objects (DAO) and ActiveX Data Objects (ADO); define database objects and manage database security with Structured Query Language (SQL); enhance and alter the way users interact with database applications with Ribbon customizations and event programming in forms and reports; and program Microsoft Access databases for Internet access with Active Server Pages (ASP) and Extensible Markup Language (XML). The book, which covers the latest release of Access 2019 and earlier versions, is divided into nine parts (32 chapters) that progressively introduce you to programming Access .mdb and .accdb databases. The text will show you how to write and debug your programming code with the Visual Basic Editor; understand and use common VBA programming structures such as conditions, loops, arrays, and collections; code a "message box;" reprogram characteristics of a database; and use various techniques to query and manipulate your database.

- Updated for MS Access 2019 and previous versions
- Includes more than 275 applied examples and 10 projects
- Covers Office Web Apps
- Companion files with color screen captures, source code, and supplemental files for projects in the text.

June 2019

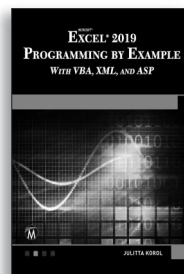
950 pp, 7 x 9

Paperback & CD-ROM, 978 1 68392 403 6, \$64.95 (\$7)

Lib E-Book, 978 1 68392 405 0, \$149.95 (10)

E-Book, 978 1 68392 404 3, \$39.95 (\$7)

COMPUTERS/ BUSINESS APPLICATIONS/ DATABASES



Microsoft Excel 2019 Programming by Example with VBA, XML, and ASP

Julitta Korol

Microsoft Excel 2019 Programming by Example with VBA, XML, and ASP is a practical, how-to book on Excel programming, suitable for readers already familiar with the Excel user interface. The book introduces programming concepts via numerous multi-step, illustrated, hands-on exercises. More advanced topics are introduced via custom projects. From recording and editing a macro and writing VBA code to working with XML documents and using classic ASP to access and display data on the Web, this book takes you on a programming journey that will change the way you work with Excel. Completely updated for Excel 2019, this book provides information on performing automatic operations on files, folders, and other Microsoft Office and Web applications. It also covers proper use of event procedures, testing and debugging, and programming advanced Excel features such as PivotTables, PivotCharts, and HTML programming. Thirty chapters loaded with illustrated, hands-on projects and exercises that tell you exactly where to enter code, how to debug it, and then run it. Each exercise/project step is clearly explained as it is performed.

- Updated for MS Excel 2019 and previous versions
- CD with color screen captures, source code, and supplemental files for projects in the text.

The Author: Julitta Korol is a software consultant who delivers custom-tailored, hands-on training and develops advanced database and spreadsheet applications. She has written over 20 computer books including *Microsoft Access 2016 Programming with VBA, XML and ASP*. She lives on Long Island, New York.

June 2019

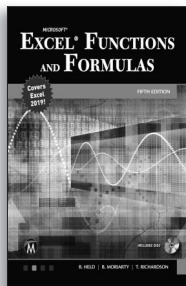
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Lib E-Book, 978 1 68392 402 9, \$149.95 (10)

E-Book, 978 1 68392 401 2, \$39.95 (\$7)

COMPUTERS/ BUSINESS APPLICATIONS/ SPREADSHEETS



Microsoft Excel Functions and Formulas

FIFTH EDITION

Bernd Held and Brian Moriarty

In this completely updated edition covering Excel 2019 and previous versions,

Microsoft Excel Functions & Formulas 5/e demonstrates the secrets of Excel through the use of practical and useful examples in a quick reference format. Easy to use and equipped with a variety of functions, Microsoft Excel is the tool of choice when it comes to crunching numbers, building charts, and analyzing tables. With over 250 Excel worksheet examples, files, and added video tutorials, the book is an excellent resource for all Excel users who want to understand, create, and apply formulas. Experienced users will also find *Microsoft Excel Functions & Formulas 5/e* an excellent reference for many of the program's advanced formulas and functions. The text is easy to understand with numerous step-by-step instructions and the actual, ready to use, Excel screenshots of the input and output from the formulas. Companion files accompany the book with video tutorials, worksheet files of examples for numerous functions, formulas, and all the figures from the text.

The Authors: Bernd Held is the author of more than 40 books and 800 articles and reviews for various publications. For the past eight years, Microsoft has recognized him as an MVP (Most Valuable Professional). Brian Moriarty is a Microsoft Office Specialist Master who has been automating Office products for more than 20 years, developing solutions for individuals, businesses and government agencies. He also teaches employee groups at the corporate level.

April 2019

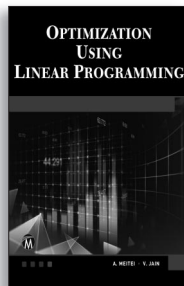
400 pp, 7 x 9

Paperback & CD-ROM, 978 1 68392 373 2, \$59.95 (\$7)

Lib E-Book, 978 1 68392 375 6, \$124.95 (10)

E-Book, 978 1 68392 374 9, \$39.95 (\$7)

COMPUTERS/ BUSINESS APPLICATIONS/ SPREADSHEETS



Optimization Using Linear Programming

A. J. Metei

Designed for engineers, mathematicians, computer scientists, financial analysts, and anyone interested in using numerical linear algebra, matrix theory, and vector calculus concepts to maximize efficiency in

solving applied problems.

Features:

- Provides the reader with numerous applications and practical examples to solve problems.
- Includes numerous examples that can be used to solve problems involving systems of linear equations, matrices, vectors, computer graphics, and more.

March 2019

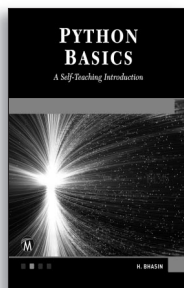
350 pp, 7 x 9

Paperback, 978 1 68392 347 3, \$89.95 (\$7)

Lib E-Book, 978 1 68392 348 0, \$179.95 (10)

E-Book, 978 1 68392 346 6, \$29.95 (\$7)

MATHEMATICS/ APPLIED MATHEMATICS



Python Basics

A Self-Teaching Introduction

H. Bhasin

Python has become the language of choice for programmers in data science, game development, and numerous other areas. Learn the basics of Python programming in this step by step guide in a

“teach yourself” format. Includes exercises with answers at the end of each chapter to help you to master the concepts and programming skills related to this important language.

Features:

- Designed with a self-instruction format for beginners
- End of chapter questions (with answers) to reinforce mastery of topics
- Includes a section on data structures to help understand the fundamental concepts
- Offers in-depth treatment of topics such as classes, inheritance, BST and NumPy.
- Introduces topics like Matplotlib and PIL.

The Author: H. Bhasin is a programmer with vast industrial experience in the development of many Enterprise Resource Planning systems. He has taught numerous university level courses and is the author of several books on topics including C#, cellular automata, and machine learning.

December 2018

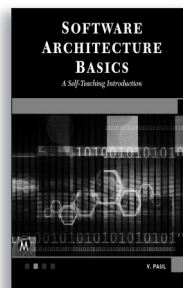
450 pp, 7 x 9

Paperback, 978 1 68392 353 4, \$49.95 (\$7)

Lib E-Book, 978 1 68392 354 1, \$124.95 (10)

E-Book, 978 1 68392 352 7, \$24.95 (\$7)

COMPUTERS/ PROGRAMMING/ PYTHON



Software Architecture Basics

A Self-Teaching Introduction

V. Paul

This book describes the concepts of software architecture and design patterns. It helps the readers to develop complex soft-

ware systems using a methodological approach. The book covers system architecture perspectives, software architectural patterns, pattern analysis, and distributions. It also provides insight into the layering structure and meta-data mapping of software.

The Author: V. Paul is a university administrator with extensive experience in industry with IBM as a web engineer and with Microsoft as a system architect. He has written numerous articles for international journals.

February 2019

200 pp, 7 x 9

Paperback, 978 1 68392 359 6, \$59.95 (\$7)

Lib E-Book, 978 1 68392 360 2, \$124.95 (10)

E-Book, 978 1 68392 358 9, \$21.95 (\$7)

COMPUTERS/ PROGRAMMING



Structural Steel Design

THIRD EDITION

Abi O. Aghayere and Jason Vigil

Structural Steel Design 3/e is a simple, practical, and concise guide to structural steel design – using the Load and Resistance Factor Design (LRFD) and the

Allowable Strength Design (ASD) methods – that equips the reader with the necessary skills for designing real-world structures. Civil, structural and architectural engineering students intending to pursue careers in structural design and consulting engineering, and practicing structural engineers will find the text useful because of the holistic, project-based learning approach that bridges the gap between engineering education and professional practice. The design of each building component is presented in a way such that the reader can see how each element fits into the bigger picture of an entire building design and the construction process. Structural details and practical example problems that realistically mirror what one obtains in professional design practice are presented.

- Updated content/example problems for the current codes (ASCE 7, AISC 15th edition, and IBC)
- Adds coverage to ASD and examples with ASD to parallel those that are done LRFD
- Follows a holistic approach to structural steel design that considers the design of individual steel framing members in the context of a complete structure.

The Authors: Abi O. Aghayere is a licensed professional engineer and a professor of structural engineering at Drexel University. Jason Vigil is a consultant in Rochester, New York, specializing in buildings of varying complexity and is an adjunct professor at the Rochester Institute of Technology.

January 2019

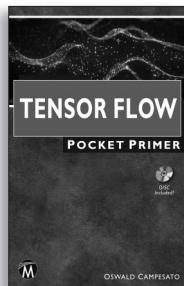
550 pp, 7 x 9

Hardback, 978 1 68392 367 1, \$99.95 (\$7)

Lib E-Book, 978 1 68392 369 5, \$179.95 (10)

E-Book, 978 1 68392 368 8, \$49.95 (\$7)

ENGINEERING/ ARCHITECTURE/ CONSTRUCTION



Tensor Flow Pocket Primer

Oswald Campesato

This book introduces TensorFlow to people who have some knowledge of Python. Readers will learn about many “core” TensorFlow APIs, Linear Regression, Logistic Regression, and MultiLayer

Perceptrons. This book is meant to provide both a foundation in TensorFlow and a rudimentary understanding of Deep Learning.

Features:

- A concrete introduction to TensorFlow and useful APIs
- Companion files with code from the text.

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

April 2019

200 pp, 6 x 9

Paper, 978 1 68392 364 0, \$34.95 (\$7)

Lib E-Book, 978 1 68392 366 4, \$99.95 (10)

E-Book, 978 1 68392 365 7, \$21.95 (\$7)

COMPUTERS/ PROGRAMMING/ PYTHON

HIGHER EDUCATION

2017 National Survey on The First-Year Experience

Structures for Supporting Student Success

Edited by Dallin George Young

The first-year seminar continues to be a common structure for supporting student success in higher education, yet it represents only one of many first-year programs. With this in mind, the 2017 National Survey on The First-Year Experience marks a change from previous surveys administered by the National Resource Center for The First-Year Experience and Students in Transition by exploring a broad range of initiatives designed to support success in the first college year. Recognizing that individual first-year programs are connected to extensive bodies of literature and practice, authors representing diverse professional networks focused on college student success contribute their voices to the analyses and presentation of results. The report includes an overview of institutional attention to the first year and the prevalence of and connections between first-year programs, a review of the results relating to selected first-year programs, and implications for practice and future research.

Research Reports on College Transitions 9**May 2019****150 pp, 8 1/2 x 11****Paper, 978 1 942072 32 4, \$25.00 (\$5)****Community Colleges as Incubators of Innovation**

Unleashing Entrepreneurial Opportunities for Communities and Students

Edited by Rebecca Corbin and Ron Thomas**Foreword by Andy Stoll****Afterword by J. Noah Brown**

This book addresses the urgent need for community colleges to prioritize entrepreneurship education both to remain relevant in a changing economy and to graduate students with the flexible and interdisciplinary mindsets needed for the future of society. It argues that entrepreneurial education should be offered broadly to a wide range of students, and across all disciplines; defines the key constructs for achieving this objective; and describes how to create entrepreneurial learning environments.

As the chapters make clear, developing an entrepreneurial program itself requires an entrepreneurial mindset that transcends any lack of resources, requiring a spirit of imagination and resourcefulness. This book takes the reader on a journey through the steps needed to build a meaningful, relevant, and sustainable entrepreneurship program, covering program development, curriculum design, appropriate pedagogical approaches, and community engagement.

Innovative Ideas for Community Colleges Series**February 2019****204 pp, 6 x 9****Cloth, 978 1 62036 862 6, \$125.00 (\$5)****Lib E-Book, 978 1 62036 864 0, \$125.00 (10)****Paper, 978 1 62036 863 3, \$35.00 (\$5)****E-Book, 978 1 62036 865 7, \$27.99 (\$9)**

Stylus

Conducting an Institutional Diversity Audit in Higher Education

A Practitioner's Guide to Systematic Diversity Transformation

Edna Chun and Alvin Evans**Foreword by Benjamin D. Reese**

Implementing systematic diversity transformation requires embracing all aspects of diversity—gender, sexual orientation, disability, gender identification, and other salient characteristics of difference—as well as race and ethnicity.

This book lays out a framework for systematic and sustained diversity process that first recognizes that too many diversity initiatives have generated more statements of intent than actual change, and that audits conducted by outside bodies frequently fail to achieve buy-in or long-term impact, and are costly endeavors. The authors' framework identifies nine dimensions that need to be addressed to achieve a comprehensive audit that leads to action, describes the underlying research-based practices, and offers guidance on ensuring that all relevant voices are heard. The process is designed to be implemented by and within the institution, saving the considerable expense of outside consulting and design.

May 2019**228 pp, 8 1/2 x 11, 21 illus****Cloth, 978 1 62036 818 3, \$125.00 (\$5)****Lib Ebook, 978 1 62036 820 6, \$125.00 (10)****Paper, 978 1 62036 819 0, \$35.00 (\$5)****Ebook, 978 1 62036 821 3, \$27.99 (\$9)**

Stylus

Chun: University of North Carolina at Greensboro.**Evans: Kent State University**

Connected Teaching

Relationship, Power, and Mattering in
Higher Education

Harriet L. Schwartz

Foreword by Laurent A. Daloz

Afterword by Judith V. Jordan

At a time when many aspects of the faculty role are in question, Harriet Schwartz, the author of *Connected Teaching*, argues that the role of teachers is as important as ever and is evolving profoundly.

This book explores teaching as a relational practice – a practice wherein connection and disconnection with students, power, identity, and emotion shape the teaching and learning endeavor. The author describes moments of energetic deep learning and what makes these powerful moments happen. She calls on readers to be open to and seek relationship, understand their own socio-cultural identity (and how this shapes internal experience and the ways in which they are met in the world), and vigilantly explore and recognize emotion in the teaching endeavor.

May 2019

192 pp, 6 x 9

Cloth, 978 1 62036 636 3, \$125.00 (\$5)

Lib Ebook, 978 1 62036 638 7, \$125.00 (10)

Paper, 978 1 62036 637 0, \$32.50 (\$5)

Ebook, 978 1 62036 639 4, \$25.99 (\$9)

Stylus

Schwartz: Carlow University (PA)

Contested Issues in Troubled Times

Student Affairs Dialogues on Equity, Civility, and Safety

Edited by Peter M. Magolda, Marcia B. Baxter Magolda and Rozana Carducci

Contested Issues in Troubled Times provides student affairs educators with frameworks to constructively think about and navigate the contentious climate they are increasingly encountering on campus.

The 54 contributors address the book's overarching question: How do we create an equitable climate conducive to learning in a dynamic environment fraught with complexity and a socio-political context characterized by escalating intolerance, incivility, and overt discrimination? Rather than attempting to offer readers definitive solutions, this book illustrates the possibilities and promise of acknowledging multiple approaches to addressing contentious issues, articulating a persuasive argument anchored in professional judgment, listening attentively to others for points of connection as well as divergence, and drawing upon new ways of thinking to foster safe and inclusive campuses.

March 2019

456 pp, 6 x 9

Cloth, 978 1 62036 800 8, \$125.00 (\$5)

Lib Ebook, 978 1 62036 802 2, \$125.00 (10)

Paper, 978 1 62036 801 5, \$35.00 (\$5)

Ebook, 978 1 62036 803 9, \$31.99 (\$9)

Stylus

**Magolda (Emeritus): Miami University
Baxter Magolda (Emerita): Miami University
Carducci: Elon University**

The Diversity Consultant Cookbook

Preparing for the Challenge

Edited by Eddie Moore, Art Munin and Marguerite W. Penick-Parks

Foreword by Rev. Dr. Jamie Washington

This book is written to advise on how to get started in, and develop a career as, diversity consultants. This succinct cookbook provides the guidance to get you going and succeed. Like a cookbook, this book is set out in small chunks. It covers the need to audit and enhance your skills and knowledge, establish your brand and what you distinctively bring to the table, develop your outreach and contacts, and learn to listen to clients to determine what interventions will achieve their long-term goals.

It addresses the need to develop your strategic plan with a clear sense of mission, vision, and values; moves on to topics such as financial planning, pricing, contracts, scheduling, and considerations about presentation styles and handouts; and gets down to the specifics of marketing, with ideas on business cards, websites, networking, and even how to dress.

April 2019

120 pp, 5 1/2 x 8 1/4

Cloth, 978 1 62036 978 4, \$125.00 (\$5)

Lib Ebook, 978 1 62036 980 7, \$125.00 (10)

Paper, 978 1 62036 979 1, \$35.00 (\$5)

Ebook, 978 1 62036 981 4, \$27.99 (\$9)

Stylus

Munin: University of Wisconsin Oshkosh

Education Abroad and the Undergraduate Experience

Critical Perspectives and Approaches to Integration With Student Learning and Development

Edited by Elizabeth Brewer and Anthony C. Ogden

Foreword by Brian Whalen

This volume focuses on two questions. First, how can education abroad be embedded into undergraduate education so that students experience it as an integral component of their education and something they help shape, rather than as time away from their education and as a commodity to be consumed? Second, how can colleges and universities maximize the educational value of education abroad by forging stronger connections between it and other undergraduate experiences, including other high-impact educational practices? The volume argues that learning abroad be positioned within the work of the larger institution and students' overall education.

Organized within three sections, this volume makes the case that learning abroad must be positioned within the work of the larger institution and students' overall education. In doing so, it questions many current assumptions and stimulates thinking about the power of an integrative approach to education abroad to lead to lasting educative value. An integrative approach requires that students be afforded multiple opportunities and ongoing support to draw connections with their learning abroad with other dimensions of their undergraduate education.

May 2019

288 pp, 6 x 9

Cloth, 978 1 62036 826 8, \$125.00 (\$5)

Lib Ebook, 978 1 62036 828 2, \$125.00 (10)

Paper, 978 1 62036 827 5, \$35.00 (\$5)

Ebook, 978 1 62036 829 9, \$27.99 (\$9)

Stylus

Brewer: Beloit College

Ogden: University of Wyoming

ePortfolio as Curriculum

Models and Practices for Developing Students' ePortfolio Literacy

Edited by Kathleen Blake Yancey

Foreword by Terry Rhodes

At a moment when the ePortfolio has been recognized as a high impact practice – as a unique site for hosting student integrative learning and as a powerful genre for assessment – this book provides faculty, staff, and administrators with a set of frameworks and models useful for guiding students in designing and creating ePortfolios that clearly communicate their purpose and effectively use the affordances of the medium.

In short, this book both illustrates and provides guidance on how to support the development of students' ePortfolio literacy. The ePortfolio curricular models provided in *ePortfolio as Curriculum* include both those integrated within existing disciplinary courses and those offered through credit-bearing stand-alone courses.

April 2019

252 pp, 6 x 9

Cloth, 978 1 62036 759 9, \$125.00 (\$5)

Lib E-Book, 978 1 62036 761 2, \$125.00 (10)

Paper, 978 1 62036 760 5, \$29.95 (\$5)

E-Book, 978 1 62036 762 9, \$23.99 (\$9)

Stylus

Yancey: Florida State University

Evaluating Equity and Widening Participation in Higher Education

Edited by Penny Jane Burke, Annette Hayton and Jacqueline Stevenson

Evaluation is a contested field. This collection considers the relationship between evaluation and research, and the ethical and moral dilemmas raised when evaluating equity and widening participation in higher education. The growing demands for evidence of impact frame expectations that we can justify government funding of particular university-led equity initiatives and understand what works well enough to ensure that resources are being allocated and used appropriately.

Drawing on the international seminar series they designed and facilitated over 2014-16, the editors have created a framework of praxis around contested understandings of access, equity and widening participation in HE. They and their authors have produced an invaluable resource for developing equity in research, evaluation and practice in higher education.

Now Available

190 pp, 6 1/8 x 9 1/5

Paper, 978 1 85856 703 7, \$39.95 (\$5)

th

From Disability to Diversity

College Success for Students with Learning Disabilities, ADHD, and Autism Spectrum Disorder

Lynne C. Shea, Linda Hecker and Adam R. Lalor

Colleges and universities are seeing increasing numbers of students with a range of disabilities enrolling in postsecondary education. Many of these disabilities are invisible and, despite their potential for negative impact on students' academic and social adjustment, some students will choose not to identify as having a disability or request support. Approaching disability from the perspective of difference, the authors of this new volume offer guidance on creating more inclusive learning environments on campus so that all students—whether or not they have a recognized disability—have the opportunity to succeed. Strategies for supporting students with specific learning disabilities, attention-deficit/hyperactivity disorder, autism spectrum disorder or who display learning and behavioral characteristics associated with these profiles are described. A valuable resource for instructors, advisors, academic support personnel, and others who work directly with college students.

March 2019

140 pp, 6 x 9

Paper, 978 1 942072 29 4, \$30.00 (\$5)

Ebook, 978 1 942072 30 0, \$23.99 (\$9)

Lib Ebook, 978 1 942072 31 7, \$95.00 (10)



Integrating Worlds

How Off-Campus Study Can Transform Undergraduate Education

Scott D. Carpenter, Helena Kaufman and Malene Torp

Foreword by Jane Edwards

This book takes as its premise that the powerful potential to de-center and dislocate students' preconceptions that off-campus study can stimulate, and the urgent need for students to gain a broad understanding of the interconnectedness of our world, requires us to question and rethink how we deliver undergraduate education.

This book proposes that faculty or departments go beyond the generally episodic ways that currently link on-campus curricula to off-campus experience. It sets out to speak, beyond specialists in international or intercultural education, to faculty, deans and provosts who may have little direct experience of study abroad, and feel unprepared to address an issue that is assuming a growing importance as disciplines and institutions address the complexities of our rapidly changing world.

April 2019

216 pp, 6 x 9

Paper, 978 1 62036 001 9, \$32.50 (\$5)

Cloth, 978 1 62036 000 2, \$125.00 (\$5)

Lib E-Book, 978 1 62036 002 6, \$125.00 (10)

E-Book, 978 1 62036 003 3, \$25.99 (\$9)

Stylus

Carpenter: Carleton College (Minnesota)

Kaufman: Carleton College (Minnesota).

Knowledge in Education

Why Philosophy Matters

Jan Derry

In recent years ideas about education have polarized: on one side are those stressing facts and disciplines; on the other, those committed to the encouragement of learners to make their own meaning. By offering a fine-grained account of pedagogic practice and subject knowledge, recent developments in philosophy provide a means of reconfiguring the issue in a manner that transcends this simple opposition.

Professor Jan Derry draws on the work of the neo-Hegelian philosopher Robert Brandom, termed inferentialism, to re-examine questions concerning knowledge that have preoccupied teachers, educational researchers and policymakers. Considerations about the nature of knowledge and understanding involve conceptions of mind, meaning, and activity. Common conceptions are challenged by adopting a Vygotskian approach to both pedagogic practice and knowledge, one that emphasizes the significance of normative constraints for both teachers and learners.

IOE Inaugural Professorial Lectures

Now Available

24 pp, 5 4/5 x 8 1/4

Paper, 978 1 78277 266 8, \$9.95 (\$5)



ACADEMIC AND PROFESSIONAL TITLES

Men and Masculinities

Theoretical Foundations and Promising Practices for Supporting

Edited by Daniel Tillapaugh and Brian L. McGowan

Foreword by Ryan P. Barone

Afterword by Tracy Davis

There continues to be much concern about the retention and persistence of men in college, particularly minorities, queer and trans* men. For those who do persist, we know that men are overrepresented in student conduct cases and engage in risky behaviors around alcohol, drug use, and sexual relationships. While men generally avoid seeking help engaging in help-seeking behaviors for their academic and personal success.

This book addresses the ways that theory can be put into practice for powerful, transformative learning to support college men and their development. It equips student affairs staff, faculty, and administrators to better support college men's development. It offers readers insights, ideas, and models for adapting and developing programs, services, and initiatives that may meaningfully meet the needs of specific student populations, while recognizing that there is no "one-size-fits-all" approach to this work.

April 2019

240 pp, 6 x 9

Cloth, 978 1 62036 930 2, \$125.00 (\$5)

Lib Ebook, 978 1 62036 932 6, \$125.00 (10)

Paper, 978 1 62036 931 9, \$35.00 (\$5)

Ebook, 978 1 62036 933 3, \$27.99 (\$9)

Stylus

Tillapaugh: California Lutheran University

McGowan: University of North Carolina at Greensboro

Rethinking College Student Development Theory Using Critical Frameworks

Edited by Elisa S. Abes, Susan R. Jones and Dafina-Lazarus (D-L) Stewart

A major new contribution to college student development theory, this book brings "third wave" theories to bear on this vitally important topic. The book has three sections: The first briefly introduces the third wave theories that have recently expanded the frame of the topic; the second uses those theories to focus on specific aspects of student development; and the third brings it all together with a few chapters that look at the implications for practice.

The primary audience for the book is faculty members who teach in graduate programs in higher education and student affairs and their students. It may also be of interest to faculty and graduate students in psychology, sociology, and ethnic studies, as well as women's, gender, and sexuality studies departments. The book will also be useful to practitioners seeking guidance in working effectively with students across the convergence of multiple aspects of identity and development.

June 2019

267 pp, 6 x 9

Cloth, 978 1 62036 763 6, \$125.00 (\$5)
Lib Ebook, 978 1 62036 765 0, \$125.00 (10)

Paper, 978 1 62036 764 3, \$35.00 (\$5)
Ebook, 978 1 62036 766 7, \$27.99 (\$9)

Stylus

Abes: Miami University

Jones: The Ohio State University

Stewart: Colorado State University

The Senior International Officer as Change Agent

SECOND EDITION

John D. Heyl and Fiona J. H. Hunter

This new edition reflects the dramatic changes that have taken place across the world in higher education in the decade since the first was published, and addresses how they specifically impact international education and inform the role of senior international officer (SIO) today.

Declining public investment in higher education and a negative political climate have increasingly led to the commercialization of international education activities and the expectation they should pay for themselves by levying fees or seeking outside funding.

Facing these issues and the global competition for student talent at a time of declining enrollments; the impacts of technology; the increasing diversity on campus; pressures to partner across borders; changing emphases in institutional mission; and the expectations of both parents and students in gaining a global perspective during university studies, it's clear that the key

issue facing SIOs is managing change as colleges and universities seek to strengthen, professionalize, and centralize - or in some cases decentralize - their international offices.

Co-published with AIEA.

January 2019

96 pp, 6 x 9

Cloth, 978 1 62036 958 6, \$125.00 (\$5)

Lib E-Book, 978 1 62036 960 9, \$125.00 (10)

Paper, 978 1 62036 959 3, \$24.95 (\$5)

E-Book, 978 1 62036 961 6, \$19.99 (\$9)

Stylus

Transitions

2018-2019

Edited by Carrie Van Haren and Daniel B. Friedman

A publication of University 101 Programs, University of South Carolina.

Transitions is the customized textbook for students in the University of South Carolina's University 101 first-year seminar. It includes both general and institution-specific information for first-year students. Topics include time management, academic success strategies, career development, information literacy, health and wellness, and values and identity. An ideal model for institutions working to design a custom-published first-year seminar text.

Now Available

234 pp, 8 x 10

Spiral Bound, 978 1 942072 25 6, \$30.00 (\$5)


NATIONAL RESOURCE CENTER

Transparent Design in Higher Education Teaching and Leadership

A Guide to Implementing the Transparency Framework Institution-Wide to Improve Learning and Retention

Edited by Mary-Ann Winkelmes, Allison Boye and Suzanne Tapp

Foreword by Peter Felten and Ashley Finley

This book offers a comprehensive guide to the Transparency in Learning and Teaching (TILT) framework that has convincingly demonstrated that implementation increases retention and improved outcomes for all student. Its premise is simple: to make learning processes explicit and equitably accessible for all students.

This guide presents a brief history of TILT, summarizes both past and current research on its impact on learning, and describes the three-part Transparency Framework (of purposes, tasks and criteria). The three sections of the book in turn demonstrate why and how transparent instruction works, suggesting strategies for instructors who wish to adopt it; describing how educational developers and teaching centers have adopted the Framework; and concluding with examples of how several institutions have used the Framework to connect the daily work of faculty with the learning goals that departments, programs and institutions aim to demonstrate.

March 2019

240 pp, 6 x 9

Cloth, 978 1 62036 822 0, \$125.00 (\$5)

Lib E-Book, 978 1 62036 824 4, \$125.00 (10)

Paper, 978 1 62036 823 7, \$35.00 (\$5)

E-Book, 978 1 62036 825 1, \$27.99 (\$9)

Stylus

Winkelmes: University of Nevada, Las Vegas

Boye: Texas Tech University

Tapp: Texas Tech University

EDUCATION

Ethical Decision-Making

Case Studies in Organization and Leadership

Edited by Patricia A. Mitchell

This text provides a unique collection of case studies across a wide range of organizations (higher education, K-12 education, military, state and local government administration, non-profit institutions, and agency management, etc.). These cases examine ethical decision-making and organizational and leadership behavioral concepts that are practiced in these organizations. The cases cover topics facing our workforce today and ask the reader to solve the dilemma. Through a discussion of these cases, students apply decision making and organizational and leadership strategies to analyze each case and therefore, gain a better understanding of how to effectively lead and manage within their organizations. This text challenges students to think critically, and analytically. Students are encouraged to reflect on options a practitioner could use to solve the problem. All of the cases end with an open

(continued overleaf)

scenario and a set of questions, allowing students to offer a wide range of opinions and participate in reflective and robust discussions.

May 2019

Cloth, 978 1 975500 82 5, \$149.95 (\$5)

Lib E-Book, 978 1 975500 84 9, \$149.95 (10)

E-Book, 978 1 975500 85 6, \$42.95 (\$9)

Paper, 978 1 975500 83 2, \$42.95 (\$5)



Mitchell: University of San Francisco

Generally Speaking

The Impact of General Education on Student Learning in the 21st Century

Edited by Madeline J. Smith and Kristen L. Tarantino

This extensive overview first surveys the history of general education in the United States. It then offers a discussion on how the recommendations of stakeholder groups have shaped general education in recent decades. Subsequent chapters detail best practices and findings in the assessment of student learning as it relates to the general education curriculum across institutional types. The discussion then turns to the larger impact of general education on culture and society as students navigate life beyond the undergraduate experience. The final chapters provide insight into how various institutions are innovating through the general education curriculum, as well as a discussion on the keys to maintaining the relevancy of this curriculum throughout the 21st century and beyond.

Children's Literature in a Multiliterate World

Edited by Nicola Daly, Libby Limbrick and Pam Dix

"A truly international gem of children's literature scholarship! Its range and depth capture the complexity of children's literature and its role in negotiating hybrid identities, mediating intercultural understanding, and nurturing children's need for literal and literary homes." — Petros Panaou, Bookbird Editor and Associate Professor, University of Georgia

The International Board of Books for Young People (IBBY) presents a collection by scholars of children's literature about outstanding story and picture books that explore issues of identity, belonging and empathy in many parts of the world. The books discussed are as original and exciting in form as they are in content, developing children's literacies while widening their horizons. The Foreword is by Wally De Donker, IBBY President, and the book features Cao Wenxuan's acceptance speech for the Hans Christian Andersen Award 2016, in which he likens children's books to "another form of housebuilding."

Now Available

204 pp, 6 1/8 x 9 1/5

Paper, 978 1 85856 878 2, \$41.95 (\$5)



Culture and Society in Higher Education

June 2019

230 pp, 7 x 10

Cloth, 978 1 975501 22 8, \$149.95 (\$5)

Lib E-Book, 978 1 975501 24 2, \$149.95 (10)

E-Book, 978 1 975501 25 9, \$55.95 (\$9)

Paper, 978 1 975501 23 5, \$55.95 (\$5)



Smith: Johns Hopkins University School of Advanced International Studies

Introducing Critical Childhood Perspectives

Reconceptualist Thought, Diversity, and Social Justice Expectations

Edited by Ashley Lauren Sullivan and Gaile S. Cannella

As part of a larger education movement, some scholars in early childhood education have engaged in work that challenges universal constructions of 'child.' The scholarship are labeled reconceptualist/critical and place at the forefront concern for diversity, improving conditions for those who have been traditionally marginalized, and understanding of power structures and impositions that generate harm and privilege. This volume explores the issues in a manner that is accessible to those new to the field.

Each chapter provides a thorough discussion of one of the earliest forms of scholarship that addresses: cultural and life diversity; challenges to monocultural science; dominant narratives in the field; linguistically marginalized children; adult power; problematizing deficit models; responding to children; rejecting universalist construction; and creating new possibilities for those have been labeled 'children.' Further, the book provides annotated bibliographies that glimpse into the shifting landscape for childhood education and care

Early Years and Youth Studies 2

March 2019

200 pp, 7 x 10

Cloth, 978 1 975500 86 3, \$149.95 (\$5)

Lib E-Book, 978 1 975500 88 7, \$149.95 (10)

E-Book, 978 1 975500 89 4, \$49.95 (\$9)

Paper, 978 1 975500 87 0, \$49.95 (\$5)



Ashley Lauren Sullivan: Penn State Erie, the Behrend College

It's Not Education that Scares Me, It's the Educators...

Is there Still Hope for Democracy in Education, and Education for Democracy?

Paul R. Carr and Gina Thésée

Many people believe that "education" has a disproportionately negative effect on them and those close to them. With so much wealth, technological prowess, innovation, and economic development, why do we still have marginalization, social inequalities, conflict, mass incarceration and generational poverty?

The connection to democracy, Education for Democracy (EfD) and social justice is, for Carr and Thésée, clear, and this volume interweaves a narrative within these themes based on a Freirian theoretical backdrop. This book presents a vision for transformative education and EfD, seeking to cultivate, stimulate and support political and media literacy, critical engagement and a re-conceptualization of what education is, and, importantly, how it can address entrenched, systemic and institutional problems that plague society. Based on over a decade of empirical research in a range of contexts and jurisdictions, the authors strive to link teaching and learning with agency, solidarity, action and transformative change within the conceptual framework of a critically-engaged EfD.

June 2019

325 pp, 6 x 9

Cloth, 978 1 975501 42 6, \$149.95 (\$5)

Lib E-Book, 978 1 975501 44 0, \$149.95 (10)

E-Book, 978 1 975501 45 7, \$42.95 (\$9)

Paper, 978 1 975501 43 3, \$42.95 (\$5)



Carr: Université du Québec en Outaouais

Thésée: Université du Québec à Montréal (UQAM)

Moral Principles in Education and My Pedagogic Creed by John Dewey

With a Critical Introduction by Patricia H. Hinchey

John Dewey

Edited by Patricia H. Hinchey

Contemporary political and socioeconomic conditions largely characterized by corruption and inequity have added new urgency to recurring calls for reorienting American public schools to their historic purpose: educating a citizenry both equipped and motivated to serve as the ultimate guardians of democracy.

While the Founding Fathers, including Jefferson, as well as the founders of public schools, including Horace Mann, explicitly stated that rationale, perhaps no one has done more than John Dewey to detail the inextricable relationship between education and democratic society. In *Moral Principles in Education and My Pedagogic Creed*, Dewey reminds readers of public schools' original purpose, and identifying specific educational principles and practices that either promote or undermine their essential democratic goals.

Timely Classics in Education 3

Now Available

120 pp, 5 1/2 x 8

Paper, 978 1 975501 46 4, \$14.95 (\$5)

Lib E-Book, 978 1 975501 47 1, \$14.95 (10)

E-Book, 978 1 975501 48 8, \$14.95 (\$9)



Hinchey: (Emerita) Penn State University

Personalizing Education

A person-centred approach for children with special educational needs

Nick Hammond and Nicola Palmer

Person-centered reviews (PCRs) can enable children with special needs—even very young children—to be equal partners in the team that determines what support they need and how it should be carried out. With its critical psychology perspective, and informed by an extensive empirical research study with children, young people and their families, the book illustrates how the process can secure optimal outcomes for each young person requiring support. It presents case studies and evidence-based insights, and provides practical resources for use when running PCRs in education, social care and healthcare settings.

Now Available

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

Paper, 978 1 85856 880 5, \$36.95 (\$5)

**Pragmatism: A New Name for Some Old Ways of Thinking by William James**

With a Critical Introduction by Eric C. Sheffield

William James

Introduction by Eric C. Sheffield

This new release of the classic text *Pragmatism* is absolutely timely. James' seminal statement of pragmatism's underpinnings and its treatment of essential philosophical questions (the nature of truth; the one and the many; free will; etc.) could

not come at a more appropriate time. In a "post-truth" era of fake news, alternative facts, and a belief that "truth isn't truth," James' presentation of pragmatism as a method of adjudicating truth-claims is a must-read.

Timely Classics in Education 4

May 2019

200 pp, 5 1/2 x 8

Paper, 978 1 975501 61 7, \$14.95 (\$5)

Lib E-Book, 978 1 975501 62 4, \$14.95 (10)

E-Book, 978 1 975501 63 1, \$14.95 (\$9)



Sheffield: Western Illinois University in Macomb

The Educational Leader's Guide to Improvement Science

Data, Design and Cases for Reflection

Edited by Robert Crow, Brandi Nicole Hinnant-Crawford and Dean T. Spaulding

The Educational Leader's Guide to Improvement Science: Data, Design and Cases for Reflection is a collection illustrating applied organizational problem-solving using methods of Improvement Science in educational leadership. Early chapters introduce Improvement Science, and then the reader is led through a logical sequence of inquiry, presented with cases of educational dilemma matched with principles of improvement science and provided examples of research methodology applied in context. Because Improvement Science research is quickly becoming a signature pedagogy and core subject area of inquiry in the field of educational leadership,

the literature is still scant in its coverage of Improvement Science models, it is the purpose of this publication to fill the void by providing concrete examples, through case studies, of instances where improvement research methods and analyses can be embedded to enhance and strengthen efforts at organizational improvement. This text concentrates on the elements faculty, students, and administrators need; specific models where improvement science frameworks enhance the reliability and validity of improvement or quality enhancement efforts

Improvement Science in Education and Beyond

May 2019

230 pp, 6 x 9

Cloth, 978 1 975500 94 8, \$149.95 (\$5)

Lib E-Book, 978 1 975500 96 2, \$149.95 (10)

E-Book, 978 1 975500 97 9, \$42.95 (\$9)

Paper, 978 1 975500 95 5, \$42.95 (\$5)



**Crow: Western Carolina University
Hinnant-Crawford: Western Carolina University**

Why Kids Love (and Hate) School

Volume 2: Reflections on Practice

Steven P. Jones and Eric C. Sheffield

Some students enter classrooms with an "I dare you try to teach me" look on their faces, and others bounce into class excited to learn and anxious to please the teacher. We know we can't automatically blame teachers or schools when students don't want to learn. But we also know that sometimes teachers and schools don't always set students up for

Womanish Black Girls

Women Resisting the Contradictions of Silence and Voice

Dianne Smith, Loyce Caruthers and Shaunda Fowler

Womanish Black Girls/Women Resisting Contradictions of Silence and Voice is a collection of essays written by varied black women who fill spaces within the academy, public schools, civic organizations, and religious institutions. These writings are critically reflective and illuminate autobiographical storied-lives. A major theme is the notion of womanish black girls/women resisting the familial and communal expectations of being seen, rather than heard. Consequently, these memories and lived stories name contradictions between "being told what to do or say" and "knowing and deciding for herself." Additional themes include womanism and feminism, male patriarchy, violence, cultural norms, positionality, spirituality, representation, survival, and schooling. While the aforementioned can revive painful images and feelings, the essays offer hope, joy, redemption, and the re-imagining of new ways of being in individual and communal spaces. An expectation is that middle school black girls, high school black girls, college/university black girls, and community black women will view this work as seedlings for understanding resistance, claiming voice, and healing.

July 2019**200 pp, 6 x 9****Cloth, 978 1 975500 90 0, \$149.95 (\$5)****Lib E-Book, 978 1 975500 92 4, \$149.95 (10)****E-Book, 978 1 975500 93 1, \$42.95 (\$9)****Paper, 978 1 975500 91 7, \$42.95 (\$5)**

Smith: (Emerita) University of Missouri-Kansas City
Caruthers: University of Missouri-Kansas City

success, and they don't always help them love what they're learning.

Why Kids Love (and Hate) School:

Reflections on Practice investigates some of the school and classroom practices that help students love school—and some that send students in the opposite direction. Intended for classroom teachers, teacher education students, and school administrators, chapters in the book investigate a variety of topics: how schools can build effective school

cultures, the "struggle" students encounter in learning, practices of other countries that help students love school, testing practices that cause students to hate school—and much more.

Academy for Educational Studies Book Series 2

Now Available**200 pp, 6 x 9****Cloth, 978 1 975500 98 6, \$149.95 (\$5)****Lib E-Book, 978 1 975501 00 6, \$149.95 (10)****E-Book, 978 1 975501 01 3, \$42.95 (\$9)****Paper, 978 1 975500 99 3, \$42.95 (\$5)**

Jones: Missouri State University
Sheffield: Western Illinois University in Macomb

AGRICULTURE & PLANT SCIENCE**Agriculture for Improved Nutrition**

Seizing the Momentum

Shenggen Fan, Sivan Yosef and Rajul Pandya-Lorch

This book examines direct and indirect effects of agriculture on nutrition, following the agricultural value chain to explore this complex relationship, from biodiversity and crop fortification, to program evaluation, to the impact of agricultural policies on consumers' choices and actions. It explores the role of various actors along the chain, including women and the private sector, and cross-cutting themes such as data and capacity building. Developing-country experiences and the knowledge and action gaps that remain in truly integrating agriculture and nutrition aims and related practices are considered.

March 2019**256 pp, 6 3/4 x 9 3/5****Cloth, 978 1 78639 931 1, \$140.00 (\$6)**

ACADEMIC AND PROFESSIONAL TITLES

Australian Forest Woods

Characteristics, Uses and Identification

Morris Lake

Australian Forest Woods describes about 130 of the most significant Australian forest trees and their wood. The introductory sections introduce the reader to the uniqueness and usefulness of forest trees. The book examines the forest tree species and their wood with photographs, botanical descriptions and a summary of the characteristics of the wood. A section on wood identification includes fundamental information on tree growth and wood structure, as well as images of the basic characteristics.

With over 900 images, this is the most comprehensive guide ever written on Australian forest woods, both for the amateur and the professional wood enthusiast. Macrophotographs of the wood are shown in association with a physical description of wood characteristics, which will aid identification. This technique was developed by Jean-Claude Cerre and his macrophotographs are included in the book.

April 2019

**232 pp, 8 1/2 x 11 3/4, color photos
Cloth, 978 1 4863 0778 4, \$59.95 (\$5)**



Controlled Atmosphere Storage of Fruit and Vegetables

THIRD EDITION

Anthony K. Thompson, Robert K. Prange, Roger D. Bancroft and Tongchai Puttongsiri

The third edition of this successful title presents current research to provide a comprehensive and up-to-date overview of controlled and modified atmosphere, hyperbaric and hypobaric storage of fresh fruits and vegetables. New and developed technologies for the transportation and storage of horticultural products are essential to ensure that produce reaches consumers in the best possible condition and has the potential to reduce the postharvest use of chemicals, maintain nutritional quality and organoleptic characteristics and reduce losses.

Covering the increasingly used science and technology of preserving the freshness of fruit and vegetables in all aspects of their postharvest life, this book puts the subject in the context of its history and current practices, in addition to future prospects. Fully revised and now presented in full color throughout, this book is a readily accessible resource for researchers, scientists, growers, students and industry personnel.

January 2019

**400 pp, 6 3/4 x 9 3/5, four-color illus
Cloth, 978 1 78639 373 9, \$205.00 (\$6)**



The Ecology and Silviculture of Oaks

THIRD EDITION

Paul S. Johnson, Stephen R. Shifley, Robert Rogers, Daniel C. Dey and John M. Kabrick

Contemporary philosophies on how oak forests and associated resources should be managed range from narrowly preservationist or narrowly utilitarian to more inclusive and integrative multiple-value philosophies. One of the objectives of this book therefore is to present ecological and silvicultural concepts that can be used to address an array of problems defined by various perceptions of how oak forests should be treated.

This book is designed and intended as it is a source of ideas on how to think about oak forests as responsive ecosystems. Armed with that understanding, we believe managers and conservators of oak forests will be better positioned to adapt to changing social values and to simultaneously build and act on co-evolving ecological and silvicultural information.

April 2019

**696 pp, 6 3/4 x 9 3/5
Cloth, 978 1 78064 708 1, \$205.00 (\$6)**



**Shifley: University of Missouri
Rogers: University of Wisconsin-Stevens**

Ethical Tensions from New Technology

The Case of Agricultural Biotechnology

Edited by Harvey James

The introduction of new technologies can be controversial, especially when they create ethical tensions as well as winners and losers among stakeholders and interest groups. While ethical tensions resulting from the genetic modification of crops and plants and their supportive gene technologies have been apparent for decades, persistent challenges remain. This book explores the contemporary nature, type, extent and implications of ethical tensions resulting from agricultural biotechnology specifically and technology generally. There are four main arenas of ethical tensions: public opinion, policy and regulation, technology as solutions to problems, and older versus new technologies. Contributions focus on one or more of these arenas by identifying the ethical tensions technology creates and articulating emerging fault lines and viable solutions.

CABI Biotechnology Series 6

Now Available

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

Cloth, 978 1 78639 464 4, \$140.00 (\$6)



James: University of Missouri

Farm Business Management

The Human Factor

SECOND EDITION

Peter L. Nuthall

The underlying economic factors that affect primary production are frequently studied and written about - soil quality, animal health, climate, machinery - but this is the first book to explore the role of the decision psychology of the manager running the farm business, the person responsible for staff, strategic and operational decisions and the success or failure of financial and other objective outcomes. This second edition addresses fundamental questions such as the process of decision making, personal skills, and methods to improve managerial ability. It is an essential reference for farm managers and students in farm economics and management.

February 2019

296 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78924 073 3, \$160 (\$6)



Flora of the Hunter Region

Endemic Trees and Larger Shrubs

Stephen Bell, Christine Rockley and Anne Llewellyn

The Hunter Region, between the Hawkesbury and Manning rivers in eastern New South Wales, hosts a rich diversity of vegetation, with many species found nowhere else. Spanning an area from the coast to the tablelands and slopes, its rainforests, wet and dry sclerophyll forests, woodlands, heathlands, grasslands and swamps are

known for their beauty and ecological significance.

Flora of the Hunter Region describes 54 endemic trees and large shrubs, combining art and science in a manner rarely seen in botanical identification guides. Species accounts provide information on distribution, habitat, flowering, key diagnostic features and conservation status, along with complete taxonomic descriptions. Each account includes stunning botanical illustrations produced by graduates of the University of Newcastle's Bachelor of Natural History Illustration program. The illustrations depict key diagnostic features and allow complete identification of each species.

May 2019

136 pp, 9 x 11 2/5, color illustrations & maps

Cloth, 978 1 4863 1102 6, \$63.95 (\$5)



Forest Genomics and Biotechnology

M. Kirst and R. Meilan

An authoritative update of forest tree biotechnology and genomics methodologies, this book covers procedures and accomplishments from basic biological science to applications. Incorporating expert evaluation of achievements, it discusses the potential that novel biotechnological and genomic approaches have for traditional breeding improvement of forest-tree species and production of forest-based products. It also describes in detail the environmental, social, legal, and regulatory aspects of forest biotechnology, with an emphasis on biosafety.

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

CABI Biotechnology Series

April 2019

208 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78064 350 2, \$125.00 (\$6)



**Kirst: University of Florida, Gainesville
Meilan: Purdue University**

GM Food Systems and their Economic Impact

Tatjana Brankov and Koviljko Lovre

The development of transgenic crops is revolutionary, but what does it mean for food production, prices and to the environment? This is the first book to examine the economic evidence in a methodical way. It describes the historical evolution of biotechnology, and defines key terms. It moves on to transgenic technology and food regime concepts. It analyzes GMO policy as part of overall agrarian policy, the effect of transgenic food production on world food prices, food security at global and regional levels, and the linkages between GMOs and world hunger. The book considers whether transgenic technology is environmentally friendly. It analyzes pesticide and fertilizer usage and efficiency over time, and pesticide consumption in GMO and non-GMO producing countries is reviewed. Finally, it considers the entry of transgenic ingredients into the food chain, listing the products affected.

CABI Biotechnology Series 7

December 2018

240 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78924 054 2, \$160.00 (\$6)



Handbook of Diseases of Banana, Abacá and Enset

Edited by David R. Jones

The Handbook of Diseases of Banana, Abacá and Enset both describes and illustrates diseases and is printed in full color throughout, creating a valuable diagnostic tool. It covers:

- The origin and classification of banana, the safe movement of Musa germplasm and banana breeding for disease resistance.
- Recent areas of growing research on the most important diseases of banana, such as black leaf streak, Fusarium wilt, Xanthomonas bacterial wilt and bunchy top.
- Significant advances relating to pathogens causing less serious and widespread diseases.

Authored by an international team of experts, this is an essential reference for all "banana doctors" around the world. It serves as a useful field and laboratory guide, as well as a source of information for all those investigating diseases of banana, abacá and enset crops.

January 2019

656 pp, 6 3/4 x 9 3/5, color illus

Cloth, 978 1 78064 719 7, \$320.00 (\$6)



Plants of the Victorian High Country

A Field Guide for Walkers

SECOND EDITION

John Murphy and Bill Dowling

Plants of the Victorian High Country allows walkers with little botanical knowledge to identify plants they are likely to encounter along the popular tracks of Victoria's High Country.

This second edition has been revised and expanded to describe 133 plants from the montane, sub-alpine and alpine zones, categorizing them into five easily distinguished groups: herbs, daisy herbs, low woody shrubs, tall shrubs and trees, and eucalypts. The guide features a glossary of botanical terms, straightforward identification keys, clear photos of the leaves, flowers and stems of the plant, and includes notes on Aboriginal plant usage.

January 2019

168 pp, 5 4/5 x 8 1/4, color photos & illus

Paper, 978 1 4863 0901 6, \$31.95 (\$5)



Reorienting Indian Agriculture

Challenges and Opportunities

Raj Paroda

The Green Revolution of the mid-1960s and subsequent agricultural revolutions resulted in unprecedented gains in production, and halved the incidences of poverty and hunger. However, a growing world population and climate change bring new challenges alongside second-generation problems of the

Green Revolution such as: decline in factor productivity, soil degradation, imbalanced use of nutrients, costly inputs, depletion of groundwater table, chemical contamination of food and feed as well as decline in farm income. This book sketches a journey from green to an evergreen revolution and India's ability to face those challenges through harnessing the best technologies and blending them with rich traditional knowledge.

January 2019

320 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 517 7, \$165.00 (\$6)



Seed Production in Oil Palm

A Manual

Eddy S. Kelanaputra, Stephen P. C. Nelson, Umi Setiawati, Baihaqi Sitepu, Fazir Nur, Brian P. Forster and Abdul Razak

This is a practical guide to seed germination in oil palm for both breeding and genetic studies as well as commercial seed production. Oil palm is the top oil crop in the world and this manual provides step-by-step illustrated methods, written by practitioners actively engaged in oil palm seed production and breeding.

Based on experience and protocols, this is an invaluable manual for students and researchers in agriculture, plant breeders, growers and end users interested in the practicalities of oil palm seed production. It is

also a valuable resource for training, for those entering a career in oil palm and as a reference for managers, to ensure best practices in maximizing sustainability and production of this important crop.

Techniques in Plantation Science

Now Available

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

Paper, 978 1 78639 588 7, \$30.00 (\$6)



Sustainable Diets

Linking Nutrition and Food Systems

Edited by Barbara Burlingame and Sandro Dernini

This book takes a transdisciplinary approach and considers multisectoral actions, integrating health, agriculture and environmental issues to comprehensively explore the topic of sustainable diets. The team of international authors informs readers with arguments, challenges, perspectives, policies, actions and solutions on global topics that must be properly understood in order to be effectively addressed. They position issues of sustainable diets as central to the Earth's future.

It provides a way forward for achieving global and local targets, including the Sustainable Development Goals and the United Nations Decade of Action on Nutrition commitments. This resource is essential reading for scientists, practitioners and students in the fields of nutrition science, food science, environmental science,

agricultural science, development studies, food studies, public health and food policy.

January 2019

280 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 284 8, \$160.00 (\$6)



Sweet Cherries

Edited by Lynn Long

This new book provides comprehensive coverage of the history, genetic improvements, production physiology of growth and cropping, orchard establishment and management, and harvest considerations for sustainable cherry production. Sweet cherries are a specialty crop, subject to significant production risks for growers, yet with high potential market returns due to strong consumer demand for the fruit's intensely enjoyable flavor and nutraceutical benefits.

Heavily illustrated in full color throughout, *Sweet Cherries* is written with practical details and underlying physiological concepts for use by beginning and established fruit growers, consultants, and advisors, with a primary focus on fresh market sweet cherries, in addition to students and professionals in horticulture.

Crop Production Science in Horticulture

March 2019

300 pp, 6 3/4 x 9 3/5, color illus

Paper, 978 1 78639 828 4, \$75.00 (\$6)



ACADEMIC AND PROFESSIONAL TITLES

Tropical Tuber Starches

Structural and Functional Characteristics

S. N. Moorthy, M. S. Sajeew and R. P. K. Ambrose

In recent years there has been significant progress and extensive research conducted on tropical root starches and especially on some of the lesser known tuber crop starches. There has also been a shift towards using biomaterials in place of synthetic materials in various applications. As researchers investigate the availability of natural products with similar properties, starch has been identified as a reliable alternative to these synthetic materials.

It explores the structure, properties and applications of tropical root and tuber starches (cassava, sweet potato, aroids, yams and other minor tuber crops), includes a chapter on the methodology for starch characterization and covers patents on starch-based products and the commercial potential of tropical root starches

May 2019

208 pp, 6 1/4 x 9 3/4

Cloth, 978 1 78639 481 1, \$160.00 (\$6)

**Poultry Feathers and Skin**

The poultry integument in health and welfare

Edited by Oluyinka A. Olukosi, Ariane Helmbrecht, Victor Olori, Nick French and Sarah Lambton

This book traces the development of the skin and feathers over time and discusses our current understanding of the integument's embryonic development. A broad range of studies are included, covering: genetics,

welfare, health, nutrition, and management.

Key Features:

- Summary of the available research on the integument of poultry species
- Valuable information for poultry industry to improve bird health, welfare and performance
- Promote research opportunities in an under-studied field.

Poultry Science Symposium Series

June 2019

296 pp, 6 1/4 x 9 3/4

Cloth, 978 1 78639 511 5, \$190.00 (\$6)



ENVIRONMENT & ECOLOGY

Air Pollution

Sources, Impacts and Controls

Edited by Pallavi Saxena and Vaishali Naik

The problem of air pollution has become a global issue, driven by rapid economic growth, industrialization, and urbanization. This book will give the reader a better understanding of both anthropogenic and biogenic pollutant emissions and their effects. It describes the most recent innovations in methods used to quantify air pollution and the strategies being used to alleviate poor air quality. A brief background on air pollution is followed by a discussion of global anthropogenic and biogenic emissions from various sources and their role in deteriorating air quality. Megacities are emphasized and possible pollution control measures and methods of air pollution measurement and

modelling are explained. An overview of indices used for assessing air quality with a focus on health impacts, and a discussion of technologies and policies to control air pollution are also included.

February 2019

216 pp, 6 3/4 x 9 3/5

Paper, 978 1 78639 389 0, \$65.00 (\$6)

**Green Web-II - Standards and Perspectives from the IUCN**

Program and Policy Development in Environment Conservation Domain - A Comparative Study of India, Pakistan, Nepal, and Bangladesh

Medani P. Bhandari

Green Web-II investigates the IUCN's role in global biodiversity conservation policy as well as in national program development in India, Pakistan, Nepal and Bangladesh. It explores how nature protection priorities and approaches are promoted or addressed by IUCN, an international organization, and how environment conservation policies are created and maintained in states with different capacities of South Asia. It also evaluates IUCN's competency in biodiversity, climate change, nature conservation and environmental policy formulation at global, regional and country levels. This study is the first detailed scholarly study on the IUCN as an organization as well as on its efforts in biodiversity conservation.

River Publishers Series in Chemical, Environmental, and Energy Engineering

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

Cloth, 978 87 7022 012 5, \$110.00 (\$6)
Lib E-Book, 978 87 7022 011 8, \$82.50
(10)



Halophytes and Climate Change

Adaptive Mechanisms and Potential Uses

Edited by Mirza Hasanuzzaman, Sergey Shabala and Masayuki Fujita

This book contains current knowledge and the most recent developments in the field of halophyte biology, ecology, and potential uses. Halophytes are characterized as plants that can survive and complete their life cycle in highly saline environments. This book explores the adaptive mechanisms and special features of halophytes that allow them to grow in environments that are unsuitable for conventional crops and considers their role as a source of food, fuel, fodder, fiber, essential oils, and medicines.

March 2019
408 pp, 6 3/4 x 9 3/5, color illus
Cloth, 978 1 78639 433 0, \$240.00 (\$6)



Introductory Probability and Statistics

Applications for Forestry and Natural Sciences

SECOND EDITION

Antal Kozak, Robert A. Kozak, Susan B. Watts and Christina L. Staudhammer

The new edition of this unique textbook is specifically designed for statistics and probability courses taught to students of forestry and related disciplines. It introduces

probability, statistical techniques, data analysis, hypothesis testing, experimental design, sampling methods, nonparametric tests and statistical quality control, using examples drawn from a forestry, wood science and conservation context. The book also includes practical exercises for students to practice data analysis and experimental design themselves. It has been updated throughout, and its scope has been broadened to reflect the evolving and dynamic nature of forestry, bringing in examples from conservation science, recreation and urban forestry.

March 2019
400 pp, 6 1/4 x 9 3/4
Paper, 978 1 78639 105 6, \$65.00 (\$6)



Kozak: The University of British Columbia

Kozak: The University of British Columbia

Watts: The University of British Columbia

Staudhammer: University of Florida

Pesticide Risk Assessment

Sumitra Arora

We have been witnessing a silent chemical revolution over the past half century. Pesticides bring widespread environmental contamination, with residues detected far from their site of application. These substances are playing havoc with the lives of humans and the environment because of their indiscriminate use.

Pesticide Risk Assessment describes the environmental risks associated with the injudicious use of pesticides and their mixtures, their methods of estimation and assessment, and their regulation. It also

contains methods to reduce and minimize the risks associated with the use of pesticides.

March 2019
320 pp, 6 3/4 x 9 3/5
Cloth, 978 1 78064 633 6, \$175.00 (\$6)



COMPUTER SCIENCE, ENGINEERING & SMART SYSTEMS

Adaptive Middleware for the Internet of Things

The GAMBAS Approach

Marcus Handte, Pedro Jose Marron, Gregor Schiele and Manuel Serrano Matoses

Over the past years, a considerable amount of effort has been devoted, both in industry and academia, towards the development of basic technology as well as innovative applications for the Internet of Things.

Adaptive Middleware for the Internet of Things introduces a scalable, inter-operable and privacy-preserving approach to realize IoT applications and discusses abstractions and mechanisms at the middleware level that simplify the realization of services that can adapt autonomously to the behavior of their users.

River Publishers Series in Communications

January 2019
200 pp, 6 1/8 x 9 1/5
Cloth, 978 87 93519 78 7, \$110.00 (\$6)
Lib E-Book, 978 87 93519 77 0, \$82.50
(10)



ACADEMIC AND PROFESSIONAL TITLES

Basics of CNC Programming**Pawan Negi, Mangey Ram and Om Prakash Yadav**

Computer Numerical Control (CNC) has become the dominant production method in most manufacturing industries, including automotive, aviation, defense, oil and gas, medical, electronics industry, and the optical industry. *Basics of CNC Programming* describes how to design CNC programs, and what cutting parameters are required to make a good manufacturing program. The authors explain about cutting parameters in CNC machines, such as cutting feed, depth of cut, rpm, cutting speed etc., and they also explain the G codes and M codes which are common to CNC. The skill-set of CNC program writing is covered, as well as how to cut material during different operations like straight turning, step turning, taper turning, drilling, chamfering, radius profile, profile turning etc. In so doing, the authors cover the level of CNC programming from basic to industrial format. Drawings and CNC programs to practice on are also included for the reader.

River Publishers Series in Mathematical and Engineering Sciences**January 2019****300 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 043 9, \$110.00 (\$6)****Lib E-Book, 978 87 7022 042 2, \$82.50 (10)****The Business Plan Reference Manual for IT Businesses****Fernando Almeida and Jose Santos
Foreword by Brett Trusko**

The Business Plan Reference Manual for IT Businesses provides a reference manual for undergraduate and graduate students who intend to launch a start-up business in the IT field. It offers a practical view of the process of modeling, designing and developing an IT start-up and it can be used by entrepreneurs who wish to launch their start-up businesses in the IT field.

The chapters cover marketing plans and market, financial and investment plans and economic-financial projections.

River Publishers Series in Multi Business Model Innovation, Technologies and Sustainable Business**January 2019****200 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 039 2, \$115.00 (\$6)****Lib E-Book, 978 87 7022 038 5, \$86.25 (10)****Circuits and Systems for Biomedical Applications**

UKCAS 2018

Edited by Hadi Heidari and Sara Ghoreishizadeh

This book is based on the 1st United Kingdom Circuits and Systems (UKCAS 2018) Workshop. It addresses areas such as biosensing, memristors, next-generation medical diagnostics, neural-inspired circuits,

neural implants, neuro-prostheses, prosthetic hand and neuro-rehabilitation. It presents these technologies and the challenges these present for biomedical scientists and engineers.

Tutorials in Circuits and Systems**January 2019****200 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 053 8, \$115.00 (\$6)****Lib E-Book, 978 87 7022 052 1, \$86.25 (10)****Control Systems - Theory and Applications****Edited by Vsevolod Kuntsevich,
Vyacheslav Gubarev, Yuriy Kondratenko, Dmytro Lebedev and Vitalii Lysenko**

The book is divided into two main parts, the first on Theory of Automatic Control and the second on Control Systems Applications. The selected chapters provide an overview of challenges in the area of control systems design, modeling, engineering and implementation and the approaches and techniques that relevant research groups within this area are employing to try to resolve these.

This book on advanced methods of control theory and successful cases in the practical implementation is ideal for personnel in modern technological processes automation and SCADA systems, robotics, space and marine industries as well as academic staff and master/research students in computerized control systems, automatized and computer-integrated systems, electrical and mechanical engineering.

River Publishers Series in Automation, Control and Robotics

Now Available

425 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 024 8, \$110.00 (\$6)

Lib E-Book, 978 87 7022 025 5, \$82.50 (10)



Cyber Security Innovation for the Digital Economy

A Case Study of the Russian Federation

Sergei Petrenko

Cyber Security Innovation for the Digital Economy considers possible solutions to the relatively new scientific-technical problem of developing innovative solutions in the field of cyber security for the Digital Economy. The solutions proposed are based on the results of exploratory studies conducted by the author in the areas of Big Data acquisition, cognitive information technologies (cognitive technologies), new methods of analytical verification of digital ecosystems on the basis of similarity in variants and dimensions, and "computational cognitivism," involving a number of existing models and methods.

River Publishers Series in Security and Digital Forensics

Now Available

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

Cloth, 978 87 7022 022 4, \$105.00 (\$6)

Lib E-Book, 978 87 7022 021 7, \$78.75 (10)



Dependable IoT for Human and Industry

Modeling, Architecting, Implementation

Edited by Vyacheslav Kharchenko, Ah Lian Kor and Andrzej Rucinski

Dependable IoT for Human and Industry covers the main aspects of Internet of Things (IoT) and IoT based systems such as global issues of applications, modeling, development and implementation of dependable IoT for different human and industry domains, providing a more profound understanding of the impact of the IoT on society.

Technical topics discussed in the book include:

- Introduction in Internet of vital and trust Things
- Modeling and assessment techniques for dependable and secure IoT systems
- Architecting and development of IoT systems
- Implementation of IoT for smart cities and drone fleets; business and blockchain, transport and industry
- Training courses and education experience on Internet and Web of Things

River Publishers Series in Information Science and Technology

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450 pp, 6 1/8 x 9 1/5

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Lib E-Book, 978 87 7022 013 2, \$82.50 (10)



Rucinski: University of New Hampshire.

Digital Shopfloor - Industrial Automation in the Industry 4.0 Era, The

Performance Analysis and Applications

Edited by John Soldatos, Oscar Lazaro and Franco Cavadini

The book is structured in three parts: the first part of the book is devoted to digital automation platforms. Following an introduction to Industry 4.0 in general and digital automation platforms in particular, this part presents the digital automation platforms of the FAR-EDGE, AUTOWARE and DAEDALUS projects. The second part focuses on the presentation of digital simulation and digital twins' functionalities. The third part of the book provides information about complementary assets and supporting services that boost the adoption of digital automation functionalities in the Industry 4.0 era. Training services, migration services and ecosystem building services are discussed based on the results of the three projects of the Digital Shopfloor Alliance.

River Publishers Series in Automation, Control and Robotics

February 2019

300 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 041 5, \$110.00 (\$6)

Lib E-Book, 978 87 7022 040 8, \$82.50 (10)



ACADEMIC AND PROFESSIONAL TITLES

Enabling Technologies for the Internet of Things: Wireless Circuits, Systems and Networks**Edited by Sergio Saponara**

Enabling Technologies for the Internet of Things: Wireless Circuits, Systems and Networks collects slides and notes from the lectures given in the 2017 Seasonal School Enabling Technologies for the Internet-of-Things, supported by IEEE CAS Society and by INTEL funding, and organized by Prof. Sergio Saponara and Prof. Giuliano Manara.

The book discusses new trends in Internet-of-Things (IoT) technologies, considering technological and training aspects, with special focus on electronic and electromagnetic circuits and systems. IoT involves research and design activities both in analog and in digital circuit/signal domains, including focus on sensors interfacing and conditioning, energy harvesting, low-power signal processing, wireless connectivity and networking, functional safety (FuSa). FuSa is one of the emerging key issues in IoT applications in safety critical domains like industry 4.0, autonomous and connected vehicles and e-health.

Tutorials in Circuits and Systems**Now Available****350 pp, 6 1/8 x 9 1/5****Cloth, 978 87 93609 74 7, \$105.00 (\$6)****Lib E-Book, 978 87 93609 73 0, \$78.75 (10)****Engineering Agile Big-Data Systems****Kevin Feeney, Jim Davies, James Welch, Sebastian Hellmann, Christian Dirschl and Andreas Koller**

To be effective, data-intensive systems require extensive ongoing customization to reflect changing user requirements, organizational policies, and the structure and interpretation of the data they hold. Manual customization is expensive, time-consuming, and error-prone. In large complex systems, the value of the data can be such that exhaustive testing is necessary before any new feature can be added to the existing design. In most cases, the precise details of requirements, policies and data will change during the lifetime of the system, forcing a choice between expensive modification and continued operation with an inefficient design.

Engineering Agile Big-Data Systems outlines an approach to dealing with these problems in software and data engineering, describing a methodology for aligning these processes throughout product lifecycles. It discusses tools which can be used to achieve these goals, and, in a number of case studies, shows how the tools and methodology have been used to improve a variety of academic and business systems.

River Publishers Series in Software Engineering**Now Available****250 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 016 3, \$110.00 (\$6)****Lib E-Book, 978 87 7022 015 6, \$82.50 (10)****Foundations of Probabilistic Logic Programming**

Languages, Semantics, Inference and Learning

Fabrizio Riguzzi

Probabilistic Logic Programming extends Logic Programming by enabling the representation of uncertain information by means of probability theory. Probabilistic Logic Programming is at the intersection of two wider research fields: the integration of logic and probability and Probabilistic Programming.

Logic enables the representation of complex relations among entities while probability theory is useful for model uncertainty over attributes and relations. Combining the two is a very active field of study. Probabilistic Programming extends programming languages with probabilistic primitives that can be used to write complex probabilistic models. Algorithms for the inference and learning tasks are then provided automatically by the system. The book presents the main ideas for semantics, inference, and learning and highlights connections between the methods. It aims at providing an overview of the field with a special emphasis on languages under the Distribution Semantics, one of the most influential approaches.

River Publishers Series in Software Engineering**Now Available****250 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 018 7, \$110.00 (\$6)****Lib E-Book, 978 87 7022 017 0, \$82.50 (10)**

The Humanized Internet

Dignity, Digital Identity and Democracy

Akram Alfawakheeri, Mark Kovarski and Monique J. Morrow

"Do No Evil" should not be a company motto but rather foundational to the development of any technologies that do impact us as individual consumers of these technologies and corresponding products. Indeed there is a polarity between an Internet that is used for mass empowerment and one that can be used for mass destruction. Privacy, security, and the management of your digital footprint should be done by you.

These tenets may sound libertarian, but in fact, we are speaking about core principles to guide the development and perhaps the return of the Internet to the people, especially those who are underserved.

With the progression of Human and Machine interaction due to advances in Biotech and Brain/Computer Interface Cloud, Virtual and Mixed Reality, we need to understand the impact of these technologies to identity overall. Do we require a new definition of identity? What is e-Sovereignty and its application moving forward if we posit that the institutions that exist today may indeed no longer be relevant in their current structure? We have read about the abuses when your data falls into the hands of other entities, intentionally or not.

The Humanized Internet is therefore a call to action, your action.

River Publishers Series in Security and Digital Forensics

March 2019

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

Cloth, 978 87 7022 032 3, \$50.00 (\$6)

Lib E-Book, 978 87 7022 031 6, \$37.50 (10)



IC Design Insights - from Selected Presentations at CICC 2017

Edited by Ali Sheikholeslami, Jan Van der Spiegel and Yanjie Wang

This book contains a selection of tutorial and invited presentations that were given at the IEEE CICC 2017 in Austin, Texas. The selection of the talks was made to provide a comprehensive coverage of key topics, including Circuits Techniques for mm-wave

front-ends, RF and mm-wave receivers and frequency synthesis, data and DC-DC converters, and techniques for IoT security.

The book is organized into five parts, namely:

- I: Millimeter-wave Transmitter Circuits
- II: Millimeter-wave and RF Receiver Circuits
- III: Data Converters
- IV: DC-DC Converters and Voltage Regulators
- V: IoT Security Circuits and Techniques.

Tutorials in Circuits and Systems

January 2019

600 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 049 1, \$115.00 (\$6)

Lib E-Book, 978 87 7022 048 4, \$86.25 (10)



**Sheikholeslami: University of Toronto
Van der Spiegel: University of Pennsylvania**

Indoor Geolocation Science and Technology at the Emergence of Smart World and IoT

Kaveh Pahlavan

Indoor Geolocation Science and Technology is a multidisciplinary book that presents the fundamentals of opportunistic localization and navigation science and technology used in different platforms such as: smart devices, unmanned ground and flying vehicles, and existing cars operating as a part of intelligent transportation systems. The book provides examples with supporting MATLAB codes and hands-on projects throughout to improve the ability of the readers to understand and implement variety of algorithms. It can be used for both academic education, as a textbook with problem sets and projects, and industrial training, as a practical reference book for professionals involved in design and performance evaluation.

The author of this book has pioneering research experience and industrial exposure in design and performance evaluation of indoor geolocation based on empirical

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

measurement and modeling of the behavior of the radio propagation in indoor areas and inside the human body. The presentation of the material is based on examples of research and development that his students have performed in his laboratory, his teaching experiences as a professor, and his experiences as a technical consultant to successful startup companies.

River Publishers Series in Communications

January 2019

500 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 051 4, \$95.00 (\$6)

Lib E-Book, 978 87 7022 050 7, \$71.25 (10)



Pahlavan: Worcester Polytechnic Institute.

Internet of Things in Automotive Industries and Road Safety

Electronic Circuits, Program Coding and Cloud Servers

Raghuveer Chimata, Rajesh Singh, Anita Gehlot, Bhupendra Singh, P. S. Ranjith and Schematics Microelectronics

This book provides a platform to readers through which they can access the applications of the "Internet of Things" in the automotive field. *Internet of Things in Automotive Industries and Road Safety* provides the basic knowledge of the modules—including interfacing—along with the programming. Several examples for rapid prototyping are included to help readers understand the concept of IoT.

The book comprises ten chapters for

designing different independent prototypes for automotive applications, and it will be beneficial for those who want to get started with hardware based project prototypes.

River Publishers Series in Transport Technology

Now Available

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

Cloth, 978 87 7022 010 1, \$105.00 (\$6)

Lib E-Book, 978 87 7022 009 5, \$78.75 (10)



Low Power Circuit Design Using Advanced CMOS Technology

Edited by Milin Zhang, Zhihua Wang, Jan Van der Spiegel and Franco Maloberti

Low Power Circuit Design Using Advanced CMOS Technology is a summary of lectures from the first Advanced CMOS Technology Summer School (ACTS) 2017. ACTS is a joint activity supported by the IEEE Circuit and System Society (CASS) and the IEEE Solid-State Circuits Society (SSCS). The goal of the school is to provide society members as well as researchers and engineers from industry the opportunity to learn about new emerging areas from leading experts in the field. ACTS is an example of high-level continuous education for junior engineers, teachers in academe, and students.

This first ACTS was held in the summer 2017 in Beijing. The lectures were given by academic researchers and industry experts, who presented on topics covering process technology, EDA skill, and circuit and layout design skills.

River Publishers Series in Circuits and Systems

Now Available

550 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 000 2, \$115.00 (\$6)

Lib E-Book, 978 87 93609 99 0, \$86.25 (10)



Van der Spiegel: University of Pennsylvania.

The MANTIS Book

Cyber Physical System Based Proactive Collaborative Maintenance

Edited by Michele Albano, Erkki Jantunen, Gregor Papa and Urko Zurutuza

In recent years, a considerable amount of effort has been devoted, both in industry and academia, to improving maintenance. Time is a critical factor in maintenance, and efforts are placed to monitor, analyze, and visualize machine or asset data in order to anticipate to any possible failure, prevent damage, and save costs.

The MANTIS Book highlights the underpinning fundamentals of Condition-Based Maintenance related conceptual ideas, an overall idea of preventive maintenance, the economic impact and technical solution. This book is suitable for industrial and maintenance managers that want to implement a new strategy for maintenance in their companies. It should give readers a basic idea on the first steps to implementing a maintenance-oriented platform or information system.

River Publishers Series in Automation, Control and Robotics

Now Available

520 pp, 6 1/8 x 9 1/5

Cloth, 978 87 93609 85 3, \$110.00 (\$6)

Lib E-Book, 978 87 93609 84 6, \$82.50 (10)



MEMS Silicon Oscillating Accelerometers and Readout Circuits

Edited by Yong Ping Xu

Most MEMS accelerometers on the market today are capacitive accelerometers that are based on the displacement sensing mechanism. This book is intended to cover recent developments of MEMS silicon oscillating accelerometers (SOA), also referred to as MEMS resonant accelerometer. As contrast to the capacitive accelerometer, the MEMS SOA is based on the force sensing mechanism, where the input acceleration is converted to a frequency output.

MEMS Silicon Oscillating Accelerometers and Readout Circuits consists of six chapters and covers both MEMS sensor and readout circuit, and provides an in-depth coverage on the design and modelling of the MEMS SOA with several recently reported prototypes. The book is not only useful to researchers and engineers who are familiar with the topic, but also appeals to those who have general interests in MEMS inertial sensors. The book includes extensive references that provide further information on this topic.

River Publishers Series in Circuits and Systems

January 2019

225 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 045 3, \$110.00 (\$6)

Lib E-Book, 978 87 7022 044 6, \$82.50 (10)



Next Generation Internet of Things

Distributed Intelligence at the Edge and Human Machine-to-Machine Cooperation

Edited by Ovidiu Vermesan and Joel Bacquet

This book provides an overview of the next generation Internet of Things (IoT), ranging from research, innovation, development priorities, to enabling technologies in a global context. It is intended as a standalone in a series covering the activities of the Internet of Things European Research Cluster (IERC), including research, technological innovation, validation, and deployment.

The text builds on the ideas put forward by the European Research Cluster, the IoT European Platform Initiative (IoT-EPI), the IoT European Large-Scale Pilots Programme and the IoT European Security and Privacy Projects, presenting global views and state-of-the-art results regarding the next generation of IoT research, innovation, development, and deployment.

River Publishers Series in Communications

Now Available

300 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 008 8, \$110.00 (\$6)

Lib E-Book, 978 87 7022 007 1, \$82.50 (10)



Optimization Methods for User Admissions and Radio Resource Allocation for Multicasting over High Altitude Platforms

Ahmed Ibrahim and Attahiru Alfa

This book examines the issue of optimizing radio resource allocation (RRA) and user admission control (AC) for multiple multicasting sessions on a single high altitude platform (HAP) with multiple antennas on-board. HAPs are quasi-stationary aerial platforms that carry a wireless communications payload to provide wireless communications and broadband services. They are meant to be located in the stratosphere layer of the atmosphere at altitudes in the range 17-22 km and have the ability to fly on demand to temporarily or permanently serve regions with unavailable telecommunications infrastructure.

An important requirement that the book focuses on is the development of an efficient and effective method for resource allocation and user admissions for HAPs, especially when it comes to multicasting. Power, frequency, space (antennas selection) and time (scheduling) are the resources considered in the problem over an orthogonal frequency division multiple access (OFDMA) HAP system.

River Publishers Series in Communications

January 2019

150 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 036 1, \$110.00 (\$6)

Lib E-Book, 978 87 7022 035 4, \$82.50 (10)



**Ibrahim: Memorial University of Newfoundland
Alfa: University of Manitoba**

ACADEMIC AND PROFESSIONAL TITLES

Power Management for Internet of Everything**Edited by Mathieu Coustans and Catherine Dehollain**

This book addresses several advanced topics in the area of power management analog and mixed-signal circuits and systems. It is for post-graduate students and those persons active in industry, who understand and can connect system design with system on chip (SoC) and mixed-signal design as a broader set of circuits and systems. The topic of Internet of Things (IoT), ranging from data converters for sensor interfaces to radios and software application, is also addressed from the viewpoint of power and energy management. The contents ensures a good balance between academia and industry, combined with a judicious selection of distinguished international authors.

River Publishers Series in Circuits and Systems**Now Available****300 pp, 6 1/8 x 9 1/5****Cloth, 978 87 93609 83 9, \$105.00 (\$6)****Lib E-Book, 978 87 93609 82 2, \$78.75 (10)****Rad-hard Semiconductor Memories****Edited by Cristiano Calligaro and Umberto Gatti**

Rad-hard Semiconductor Memories is intended for researchers and professionals interested in understanding how to design and make a preliminary evaluation of rad-hard semiconductor memories; making leverage on standard CMOS manufacturing processes available from different silicon

foundries, and using different technology nodes.

In the first part of the book, a preliminary overview of the effects of radiation in space, with a specific focus on memories, will be conducted to enable the reader to understand why specific design solutions are adopted to mitigate hard and soft errors. The second part will be devoted to RHBD (Radiation Hardening by Design) techniques for semiconductor components with a specific focus on memories. The approach will follow a top-down scheme starting from RHBD at architectural level (how to build a rad-hard floor-plan), at circuit level (how to mitigate radiation effects by handling transistors in the proper way) and at layout level (how to shape a layout to mitigate radiation effects).

River Publishers Series in Electronic Materials and Devices**Now Available****225 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 020 0, \$110.00 (\$6)****Lib E-Book, 978 87 7022 019 4, \$82.50 (10)****Real-Time Multi-Chip Neural Network for Cognitive Systems****Edited by Amir Zjajo and Rene van Leuken**

Real-Time Multi-Chip Neural Network for Cognitive Systems presents novel real-time, reconfigurable, multi-chip SNN system architecture based on localized communication, which effectively reduces the communication cost to a linear growth. The system uses double floating-point

arithmetic for the most biologically accurate cell behavior simulation, and is flexible enough to offer an easy implementation of various neuron network topologies, cell communication schemes, as well as models and kinds of cells. The system offers a high run-time configurability, which reduces the need for resynthesizing it. In addition, the simulator features configurable on- and off-chip communication latencies as well as neuron calculation latencies. All parts of the system are generated automatically based on the neuron interconnection scheme in use. The simulator allows exploration of different system configurations, e.g. the interconnection scheme between the neurons, the intracellular concentration of different chemical compounds (ions), which affect how action potentials are initiated and propagate.

River Publishers Series in Circuits and Systems**January 2019****225 pp, 6 1/8 x 9 1/5****Cloth, 978 87 7022 034 7, \$110.00 (\$6)****Lib E-Book, 978 87 7022 033 0, \$82.50 (10)****Secure and Smart Internet of Things (IoT)**

Using Blockchain and AI

Ahmed Banafa

This "Internet of Things" (IoT) represents a remarkable transformation of the way in which our world will soon interact. Much like the World Wide Web connected computers to networks, and the next evolution connected people to the Internet and other people, IoT looks poised to interconnect

devices, people, environments, virtual objects and machines in ways that only science fiction writers could have imagined. In a nutshell, the Internet of Things (IoT) is the convergence of connecting people, things, data and processes. It is transforming our life, business and everything in between. *Secure and Smart Internet of Things* explores many aspects of the Internet of Things and explains many of the completed principles of IoT and the new advances in IoT including the use of Fog Computing, AI, and Blockchain technology.

River Publishers Series in Information Science and Technology

December 2018

150 pp, 6 1/8 x 9 1/5

Cloth, 978 87 7022 030 9, \$105.00 (\$6)

Lib E-Book, 978 87 7022 029 3, \$78.75 (10)



Banafa: San Jose State University and Stanford University

Sensors and Measurement Systems

Walter Lang

Sensors and Measurement Systems is an introduction to microsensors for engineering students in the final undergraduate or early graduate level, technicians who want to know more about the systems they are using, and anybody curious enough to want to know what microsystems and microsensors can do.

The book discusses five families of sensors: thermal sensors, force and pressure sensors, inertial sensors, magnetic field sensors and flow sensors. For each sensor,

theoretical, technology and application aspects are examined. The sensor function is modeled to understand sensitivity, resolution and noise. We ask ourselves: What do we want to measure? What are possible applications? How are the sensor chips made in the cleanroom? How are they mounted and integrated in a system?

River Publishers Series in Electronic Materials and Devices

January 2019

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

Cloth, 978 87 7022 028 6, \$50.00 (\$6)

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Versatile Video Coding

Humberto Ochoa Dominguez and K. R. Rao

Video is the main driver of bandwidth use, accounting for over 80 percent of consumer Internet traffic. Video compression is a critical component of many of the available multimedia applications, being necessary for storage or transmission of digital video over today's band-limited networks. The majority of this video is coded using international standards developed in collaboration with ITU-T Study Group and MPEG.

This book presents the latest standards including the latest versions of Versatile Video Coding (VC), and updates to the High Efficiency Video Coding (HEVC) standards. The book discusses the advances in lossless coding and covers the topic of screen content coding.

River Publishers Series in Signal, Image and Speech Processing

December 2018

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

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Ochoa Dominguez: IIT-UACJ, Mexico.

Rao: University of Texas at Arlington.

TOURISM

Adventure Tourism and Outdoor Activities Management

A 21st Century Toolkit

Ian Jenkins

An essential resource for those wishing to understand the key factors behind the operation of an adventure tourism company and how to be able to deliver a profitable as well as a sustainable product. It discusses important factors such as how the use of technologies and the current importance of environmental impacts and climate change are areas that are key to adventure tourism firms. To remain profitable companies need to address these issues along with the important elements of risk and safety.

Created from the author's experience in delivering adventure tourism courses over the last 20 years, this long-awaited book is aimed at both university courses on adventure tourism and outdoor recreation as well as those working within the industry.

April 2019

256 pp, 7 1/2 x 9 5/8

Paper, 978 1 78639 086 8, \$65.00 (\$6)



Emotional Intelligence in Tourism and Hospitality

Edited by Erdogan Koc

Emotional intelligence (EI) is the capability to recognize one's own emotions and those of others. The use of emotional information guides thinking and behavior, allowing adjustment of emotions to adapt to environments. As tourism and hospitality services are produced and consumed simultaneously, with a high level of contact between employees and customers, the development of EI of employees in tourism and hospitality establishments is vital.

This book has a skills-based approach and explains how emotional intelligence can be developed in tourism and hospitality students and employees.

April 2019

152 pp, 6 1/8 x 9 1/5

Cloth, 978 1 78639 831 4, \$125.00 (\$6)



Islamic Tourism

Management of Travel Destinations

Edited by Ahmad Jamal, Kevin A. Griffin and Razaq Raj

Islamic tourism is tourism primarily undertaken by its followers within the Muslim world. It is not just motivated by religious feeling, it also includes participants pursuing similar leisure experiences to non-Muslims but within the parameters set by Islam, and destinations are therefore not necessarily locations where Shari'a or full Islamic law is enacted.

Demand for Islamic tourism destinations

is increasing as the Muslim population expands worldwide, with the market forecast to be worth US\$238 billion by 2019. This book bridges the ever-widening gap between specialists within the religious, tourism, management and education sectors through a collection of contemporary perspectives. It provides practical applications, models and illustrations of religious tourism and pilgrimage management from a variety of international perspectives and introduces theories and models in an accessible structure.

CABI Religious Tourism and Pilgrimage Series

February 2019

272 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 413 2, \$160.00 (\$6)



Literary Tourism

Theories, Practice and Case Studies

Edited by Ian Jenkins and Katrin Anna Lund

This book includes tourism stories using guidebooks, films, television and electronic media, and recognizes that stories, texts and narratives, even if they cannot be classified as traditional travel writing, can become journeys in themselves and take us on imaginary voyages.

Appealing to a wide audience of different disciplines, it encompasses subjects such as business literary writing, historical journeys and the poetry of Dylan Thomas. The use of these different perspectives demonstrates how heavily and widely literature influences travel, tourists and tourism, making it an

important read for researchers and students of tourism, social science and literature.

May 2019

264 pp, 6 1/4 x 9 3/4

Cloth, 978 1 78639 459 0, \$140.00 (\$6)



Managing Religious Tourism

Edited by Maureen Griffiths and Peter Wiltshier

Managing Religious Tourism provides a global view of tools and resources used in demand and supply management in the context of pilgrimage and religious tourism.

With a focus on toolkits and best-practices, the book reinforces the quality of service provision and offers reflection on consumers' perspectives and intentions to purchase from a variety of destinations. This focus is complemented by the understanding of management responses to consumer behavior and mobility, accessibility, individualism and tourism for both sacred and secular purpose. A further focus looks at ways in which networks, partnerships and the conceptual stakeholder approach can be employed by religious tourism suppliers working with destination management organizations.

CABI Religious Tourism and Pilgrimage Series

March 2019

200 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 319 7, \$160.00 (\$6)



Private Sector Tourism in Conservation Areas in Africa

Susan Snyman and Anna Spenceley

Through the use of extensive case studies from throughout Africa this book presents guidelines to ensure optimal benefits for stakeholders as well as promoting the sustainability of tourism in Africa. It includes descriptions of the various models/options for the private sector to engage in tourism in conservation areas in Africa including, among others, pure private sector ownership, joint ventures, tripartite agreements and government leases. The processes used to develop these partnerships—from start to finish—are covered, as well as best practices for the private sector engaging in tourism. The book provides guidance on assessing what private sector tourism options are most suitable based on guidelines of conditions and desired outcomes promoting the long-term sustainability of African tourism in protected areas.

April 2019

264 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 355 5, \$160.00 (\$6)



TEFL Tourism

Principles, Commodification and the Sustainability of Teaching English as a Foreign Language

Hayley Stainton

There is evident lineage between the concepts of teaching English as a foreign language (TEFL) and tourism, represented through evocative marketing material, the commoditization of the TEFL product, teacher motivations and experiences. Yet, to date there has been no recognition of these links within industry or academia.

This text outlines the organization types and geographical locations, emphasizing the commodification of English language teaching. It also outlines the types of TEFL tourists, the complexities of international education, links with various tourism forms and sustainability considerations of the industry.

May 2019

160 pp, 6 1/4 x 9 3/4

Cloth, 978 1 78639 322 7, \$125.00 (\$6)



Tourism Information Technology

THIRD EDITION

Pierre J. Benckendorff, Zheng Xiang and Pauline J. Sheldon

This third edition of *Tourism Information Technology* provides a contemporary update on the complexities of using information technology in the tourism industry. It examines IT applications in all sectors including airlines, travel intermediaries,

accommodation, food service, destinations, attractions, events and entertainment. Fully updated throughout and organized around the stages of the visitor journey, the book reviews how tourists are using technologies to support decision making before their trip, during their travels and at the destination.

March 2019

416 pp, 7 1/2 x 9 5/8

Paper, 978 1 78639 343 2, \$75.00 (\$6)



Sheldon: (Emerita) University of Hawaii

World Heritage Sites

Tourism, Local Communities and Conservation Activities

Takamitsu Jimura

Heritage is a growing area of both tourism and study, with World Heritage Site designations increasing year-on-year. This book reviews the important interrelations between the industry, local communities and conservation work, bringing together the various opportunities and challenges for different destinations.

Reviewing new areas of development such as Historic Urban Landscapes, Intangible Cultural Heritage, Memory of the World and Global Geoparks, it includes global case studies to relate theory to practice and covers a worldwide industry of over 1,000 cultural and natural heritage sites.

February 2019

192 pp, 6 3/4 x 9 3/5

Cloth, 978 1 78639 268 8, \$140.00 (\$6)



PUBLIC HEALTH & MEDICINE

Algorithms for Sample Preparation with Microfluidic Lab-on-Chip**Sukanta Bhattacharjee, Bhargab B. Bhattacharya and Krishnendu Chakrabarty**

Recent microfluidic technologies have brought a paradigm shift in automating biochemical processing on a tiny lab-on-chip (a.k.a. biochip) that replaces expensive and bulky instruments traditionally used in implementing bench-top laboratory protocols. Biochips have already made an impact on various application domains such as clinical diagnostics, DNA analysis, genetic engineering, and drug discovery, among others. They are capable of precisely manipulating micro-/pico-liter quantities of fluids, and provide integrated support for mixing, storage, transportation, and sensing, on-chip. In almost all bioprotocols, sample preparation plays an important role, however, designing algorithms that minimize reactant-cost and sample-preparation time suited for microfluidic chips poses a challenge from the perspective of protocol mapping, scheduling, and physical design.

Algorithms for Sample Preparation with Microfluidic Lab-on-Chip attempts to bridge the gap between biologists and engineers by introducing, from the fundamentals, several state-of-the-art computer-aided-design (CAD) algorithms for sample preparation with digital and flow-based microfluidic biochips.

River Publishers Series in Biomedical Engineering

January 2019
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Chakrabarty: Duke University.

Atlas of Cilia Bioengineering and Biocomputing**Edited by Richard Mayne and Jaap den Toonder**

Cilia are microscopic finger-like cell-surface organelles possessed by a great many eukaryotic organisms, including humans, whose purposes include generating local fluid movements via rhythmic whip-like beating and environmental sensing. Despite intense research efforts since their discovery by van Leeuwenhoek in the 1670s, several key questions regarding ciliary functions, experimental manipulation and in silico imitation remain unanswered.

This lavishly-illustrated collection presents recent advances in the fields of ciliary investigation, manipulation, emulation, mimesis and modelling from key researchers in their fields; its goal is to explain the state-of-the-art in cilia bioengineering and biocomputation in a uniquely creative, accessible manner, with the purpose of encouraging further transdisciplinary work in the field as well as educating a broad spectrum of scientists and lay people.

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**DDT, Lindane, and 2,4-D****International Agency for Research on Cancer**

This volume of the IARC Monographs provides evaluations of the carcinogenicity of DDT and lindane (both organochlorine insecticides), and 2,4-D (a chlorophenoxy herbicide).

DDT is one of the most studied chemicals of environmental concern. It came into widespread use for disease-vector control and agriculture in the 1940s and was an important tool in malaria eradication efforts. Most uses of DDT were subsequently restricted because of its persistence and adverse environmental effects. Nevertheless, it is still detectable in the environment, in food, and in the blood and adipose tissue of humans and animals. Lindane was commercialized as an agricultural insecticide during the same period as DDT and is now largely banned due to its toxicity. Since its introduction in the 1940s, 2,4-D has become one of the most widely used herbicide active ingredients worldwide. It is still used in significant quantities, primarily in agriculture, including in mixtures with other active ingredients.

IARC Monographs on the Evaluation of the Carcinogenic Risks to Humans 113

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Paper, 978 92 832 0151 9, \$66.00 (\$6)



Evaluation of Certain Veterinary Drug Residues in Food

Eighty-fifth 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 convened in 2017 to evaluate the safety of residues of certain veterinary drugs in food and to recommend maximum levels for such residues in food.

The first part of the report considers general principles regarding the evaluation of residues of veterinary drugs within the terms of reference of the Joint FAO/WHO Expert Committee on Food Additives (JECFA), including chronic dietary exposure assessment of compounds used as veterinary drugs and pesticides, assessment of the relative bioavailability and/or pharmacological activity of incurred drug residues in animal tissues, acute reference doses (ARfDs) for residues of veterinary drugs and methodological approaches and types of data for assessment of veterinary drug residues in food.

WHO Technical Report Series1008

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Examination Standards

How measures and meanings differ around the world

Edited by Jo-Anne Baird, Tina Isaacs, Dennis Opposs and Lena Gray

An international team of authorities in the field of standard setting discuss what standard setting is and should be. Their accounts of a representative selection of jurisdictions (Chile, England, France, Georgia, Ireland, Queensland, South Africa, Sweden, and the United States) are accompanied by lively critical commentaries from other experts in this domain. Together, the editors challenge the notion that there is a single superior way of thinking about national examinations, and instead encourage educators and policymakers to engage with the multiple perspectives offered here, and to consider carefully the complex issues raised.

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Guidelines for the Management of Snakebites

SECOND EDITION

WHO Regional Office for South-East Asia

Snakebites are well-known medical emergencies in many parts of the world, especially in rural areas. Agricultural workers and children are most affected. The incidence of snakebite mortality is particularly high in South-East Asia. Rational use of snake anti-venom can substantially reduce mortality

and morbidity due to snake bites.

This publication passes on a digest of available knowledge about all clinical aspects of snake-bite to medically trained personnel, including medical doctors, nurses, dispensers and community health workers. They will provide sufficient practical information to allow medically trained personnel to assess and treat patients with snake-bites at different levels of the health service.

SEARO Regional Health Papers

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Managing Epidemics

Key Facts About Major Deadly Diseases

World Health Organization

This manual provides concise and up-to-date knowledge on 15 infectious diseases that have the potential to become international threats, and tips on how to respond to each of them. The diseases covered are: Ebola virus disease, Lassa fever, Crimean-Congo haemorrhagic fever, yellow fever, Zika, Chikungunya, avian and other zoonotic influenza, seasonal influenza, pandemic influenza, Middle-East respiratory syndrome (MERS), cholera, monkeypox, the plague, leptospirosis and meningococcal meningitis.

Although originally developed as guidance for WHO officials, this publication is available to a wide readership including all frontline responders—communities, government officials, non-State actors and

(continued overleaf)

ACADEMIC AND PROFESSIONAL TITLES

public health professionals—who need to respond rapidly and effectively when an outbreak is detected.

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Mental Health Atlas 2017

World Health Organization

The *Mental Health Atlas* series is considered the most comprehensive resource on global information on mental health and an important tool for developing and planning mental health services within countries and regions. The *Mental Health Atlas 2017* acquires new importance as it is providing information and data on the progress towards the achievement of objectives and targets of the Comprehensive Mental Health Action Plan 2013-2020.

The 2017 version of Mental Health Atlas continues to provide up-to-date information on the availability of mental health services and resources across the world, including financial allocations, human resources and specialized facilities for mental health. This information was obtained via a questionnaire sent to designated focal points in each WHO Member State.

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Red Meat and Processed Meat

International Agency for Research on Cancer

This volume of the IARC Monographs provides evaluations of the consumption of red meat and the consumption of processed meat.

Red meat refers to unprocessed mammalian muscle meat (e.g. beef, veal, pork, lamb) including that which may be minced or frozen. Processed meat refers to meat that has been transformed through salting, curing, fermentation, smoking or other processes to enhance flavor or improve preservation. Most processed meats contain pork or beef, but may also contain other meats including poultry and offal (e.g. liver) or meat by-products such as blood. Red meat contains proteins of high biological value, and important micronutrients such as B vitamins, iron (both free iron and haem iron), and zinc.

An IARC Monographs Working Group reviewed epidemiological evidence, animal bioassays, and mechanistic and other relevant data to reach conclusions as to the carcinogenic hazard to humans of the consumption of red meat and processed meat.

IARC Monographs on the Evaluation of the Carcinogenic Risks to Humans 114

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Some Industrial Chemicals

International Agency for Research on Cancer

This volume of the IARC Monographs provides evaluations of the carcinogenicity of: N,N-dimethylformamide, a solvent produced in high volumes and commonly used in many industrial processes; 2-mercaptobenzothiazole, a rubber accelerant and preservative; the rocket fuel hydrazine; the widely used fire retardant tetrabromobisphenol A; 1-bromopropane, a solvent used in dry cleaning, degreasing and adhesive resins; the seed fumigant 3-chloro-2-methylpropene; and N,N-dimethyl-p-toluidine, a hardening agent in dental and bone adhesives.

Exposure to all seven agents considered may occur in the general population as well as in different occupational settings.

An IARC Monographs Working Group reviewed epidemiological evidence, animal bioassays, and mechanistic and other relevant data to reach conclusions as to the carcinogenic hazard to humans of environmental or occupational exposure to these agents.

IARC Monographs on the Evaluation of the Carcinogenic Risks to Humans 115

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**Ten Years in Public Health
2007-2017**

Report by Dr. Margaret Chan,
Director-General, World Health
Organization

Margaret Chan

Ten years in public health 2007-2017
chronicles the evolution of global public
health over the decade that Margaret Chan
served as Director-General at the World
Health Organization.

This series of chapters evaluates
successes, setbacks, and enduring challenges
during the decade. They show what needs to
be done when progress stalls or new threats
emerge. The chapters show how WHO
technical leadership can get multiple partners
working together in tandem under coherent
strategies. The importance of country
leadership and community engagement is
stressed repeatedly throughout the chapters.

These chapters tell a powerful story of
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**Uniting the World in the
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The Global Influenza Surveillance and
Response System (GISRS)

World Health Organization

GISRS is a truly unique global public health
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history. From its early beginnings as a
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provide the expertise needed to vigilantly
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continuous threat posed by seasonal,
zoonotic and pandemic influenza viruses.

The long history of GISRS is paved with
the tireless efforts of countless dedicated
scientists working in developed and
developing countries alike—some working in
state-of-the-art facilities while others have
access to only the most basic equipment.

But this book also looks to the future. For
as we look back upon and celebrate the
successes of the first 65 years of GISRS, we
must also be mindful that science and history
tell us that the next major threat may be just
around the corner. For as long as influenza
viruses continue to evolve and cause human
suffering and economic hardship through
seasonal epidemics, sporadic zoonotic
infections and highly unpredictable
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protect individuals and communities and to
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**WHO Expert Committee
on Biological
Standardization**

Sixty-eighth report

World Health Organization

This report presents the recommendations of
a WHO Expert Committee commissioned to
coordinate activities leading to the adoption
of international recommendations for the
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biological substances, and the establishment
of international biological reference materials.

The report summarizes a number of
general issues brought to the attention of the
Committee. The next part of the report, of
particular relevance to manufacturers and
national regulatory authorities, outlines the
discussions held on the development and
adoption of new and revised WHO
Recommendations, Guidelines, and guidance
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ACADEMIC AND PROFESSIONAL TITLES

**WHO Expert Committee
on Drug Dependence**

Thirty-ninth Report

World Health Organization

This report presents the recommendations of the thirty-ninth WHO Expert Committee on Drug Dependence (ECDD). The ECDD is responsible for the assessment of psychoactive substances for possible scheduling under the international drug control conventions. The ECDD reviews the therapeutic usefulness, the liability for abuse and dependence, and the public health and social harm of each substance. The ECDD will advise the Director-General of WHO, to schedule or to amend the scheduling status of a substance. The Director General will, as appropriate, communicate the recommendations to the Secretary-General of the United Nations, who will in turn communicate the advice to the Commission on Narcotic Drugs (CND).

The report summarizes the review of 16 substances and the ECDD recommendations for the scheduling of 12 substances. The report also contains updates from international bodies concerned with controlled substances, as well as summaries of the follow-up on the recommendations made at the previous Committee meeting. Issues identified for consideration at future Expert Committee meetings are also covered.

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Pharmaceutical
Preparations**

Fifty-second Report

World Health Organization

The Expert Committee on Specifications for Pharmaceutical Preparations works towards clear, independent and practical standards and guidelines for the quality assurance of medicines.

Standards are developed by the Committee through worldwide consultation and an international consensus-building process. It includes guidelines on good herbal processing practices for herbal medicines, pharmacopoeial practices for compounded preparations, manufacturing practices, laboratory practices, stability testing and other topics.

WHO Technical Report Series 1010**Now Available****418 pp, 6 1/4 x 9 2/5****Paper, 978 92 4 121019 5, \$84.00 (\$6)****WHO Expert Consultation
on Rabies**

Third Report

World Health Organization

Since the launch of the Global framework to eliminate human rabies transmitted by dogs by 2030 in 2015, WHO has worked with the Food and Agriculture Organization of the United Nations, the World Organization for Animal Health, the Global Alliance for Rabies Control and other stakeholders and partners to prepare a global strategic plan. This report provides updated guidance based on evidence and programmatic experience on the multiple facets of rabies prevention, control and elimination. Key updates include: (i) surveillance strategies, including cross-sectoral linking of systems and suitable diagnostics; (ii) the latest recommendations on human and animal immunization; (iii) palliative care in low resource settings; (iv) risk assessment to guide management of bite victims; and (v) a proposed process for validation and verification of countries reaching zero human deaths from rabies.

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