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Secret Science María M. Portuondo 2013-04-18
The discovery of the New World raised many questions for early modern scientists: What did these lands contain? Where did they lie in relation to Europe? Who lived there, and what were their inhabitants like? Imperial expansion necessitated changes in the way scientific knowledge was gathered, and Spanish cosmographers in particular were charged with turning their observations of the New World into a body of knowledge that could be used for governing the largest empire the world had ever known. As María M. Portuondo here shows, this cosmographic knowledge had considerable strategic, defensive, and monetary value that royal scientists were charged with safeguarding from foreign and internal enemies. Cosmography was thus a secret science, but despite the limited dissemination of this body of knowledge, royal cosmographers applied alternative epistemologies and new methodologies that changed the discipline, and, in the process, how Europeans understood the natural world.

Ultimate Exakta Repair - a CLA and New Curtains for Your Camera Miles Upton 2003-01-01
A complete and thorough DIY repair manual for Exakta VX and VXIIa cameras. The step-by-step instructions combined with excellent photographt allow a high rate of success. Much of the information specific to these models has never been published!

HCI Remixed - Thomas Erickson 2007-12-21
Personal and reflective essays that describe how particular works—whether papers, books, or demos, from classics to forgotten gems—have influenced each writer's approach to HCI. Over almost three decades, the field of human-computer interaction (HCI) has produced a rich and varied literature. Although the focus of attention today is naturally on new work, older contributions that played a role in shaping the trajectory and character of the field have much to tell us. The contributors to HCI Remixed were asked to reflect on a single work at least ten years old that influenced their approach to HCI. The result is this collection of fifty-one short, engaging, and idiosyncratic essays, reflections on a range of works in a variety of forms that chart the emergence of a new field. An article, a demo, a book: any of these can solve a problem, demonstrate the usefulness of a new method, or prompt a shift in perspective. HCI Remixed offers us glimpses of how this comes about. The contributors consider such HCI classics as Sutherland's Sketchpad, Englebart's demo of NLS, and Fitts on Fitts' Law—and such forgotten gems as Pulfer's NRC Music Machine, and Galloway and Rabinowitz's Hole in Space. Others reflect on works somewhere in between classic and forgotten—Kidd's "The Marks Are on the Knowledge Worker," King Beach's "Becoming a Bartender," and others. Some contributors turn to works in neighboring disciplines—Henry Dreyfuss's

book on industrial design, for example—and some range farther afield, to Lovelock's Gaia hypothesis and Jane Jacobs's The Death and Life of Great American Cities. Taken together, the essays offer an accessible, lively, and engaging introduction to HCI research that reflects the diversity of the field's beginnings.

Heat Transfer Virtual Lab for Students and Engineers - Ella Fridman 2014-09-15
Laboratory experiments are a vital part of engineering education, which historically were considered impractical for distance learning. This book presents a guide for the practical employment of a heat transfer virtual lab for students and engineers. Inside, the authors have detailed this virtual lab which is designed and can implement a real-time, robust, and scalable software system that provides easy access to lab equipment anytime and anywhere over the Internet. They introduce and explain LabVIEW in easy-to-understand language. LabVIEW is a proprietary software tool by National Instruments, and can be used to develop fairly complex instrumentation systems (measurement and control). Fridman and Mahajan combined Internet capabilities with traditional laboratory exercises to create an ef cient environment to carry out interactive, on line lab experiments. Thus, the virtual lab can be used from a remote location as a part of a distance learning strategy. With this book, you'll be capable of executing VIs (Virtual Instruments) speci cally developed for the experiment in question, providing you with great ability to control the remote instrument and to receive and present the desired experimental data.

Analyzing Digital Discourse - Patricia Bou-Franch 2018-09-29
This innovative edited collection presents new insights into emerging debates around digital communication practices. It brings together research by leading international experts to examine methods and approaches, multimodality, face and identity, across five thematically organised sections. Its contributors revise current paradigms in view of past, present, and future research and analyse how users deploy the wealth of multimodal resources afforded by digital technologies to undertake tasks and to enact identity. In its concluding section it identifies the ideologies that underpin the construction of digital texts in the social world. This important contribution to digital discourse studies will have interdisciplinary appeal across the fields of linguistics, socio-linguistics, pragmatics, discourse analysis, gender studies, multimodality, media and communication studies.

Advances in Simulation, Product Design and Development - M. S. Shunmugam 2020-11-07
This volume comprises select proceedings of the 7th International and 28th All India Manufacturing Technology, Design and Research conference 2018 (AIMTDR 2018). The papers in this volume discuss simulations based on techniques such as finite element method (FEM) as well as soft computing based techniques such as artificial neural network (ANN), their optimization and the development and design of mechanical products. This volume will be of interest to researchers, policy makers, and practicing engineers alike.

Product Lifecycle Management to Support Industry 4.0 - Paolo Chiabert 2018-12-08
This book constitutes the refereed post-conference proceedings of the 15th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2018, held in Turin, Spain, in July 2018. The 72 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in the following topical sections: building information modeling; collaborative environments and new product development; PLM for digital factories and cyber physical systems; ontologies and data models; education in the field of industry 4.0; product-service systems and smart products; lean organization for industry 4.0; knowledge management and information sharing; PLM infrastructure and implementation; PLM maturity, implementation and adoption; 3D printing and additive manufacturing; and modular design and products and configuration and change management.

Knowledge-Based Integrated Aircraft Design - Raghu Chaitanya Munjulury 2017-05-23
The design and development of new aircraft are becoming increasingly expensive and timeconsuming. To assist the design process in reducing

the development cost, time, and late design changes, the conceptual design needs enhancement using new tools and methods. Integration of several disciplines in the conceptual design as one entity enables to keep the design process intact at every step and obtain a high understanding of the aircraft concepts at early stages. This thesis presents a Knowledge-Based Engineering (KBE) approach and integration of several disciplines in a holistic approach for use in aircraft conceptual design. KBE allows the reuse of obtained aircrafts' data, information, and knowledge to gain more awareness and a better understanding of the concept under consideration at early stages of design. For this purpose, Knowledge-Based (KB) methodologies are investigated for enhanced geometrical representation and enable variable fidelity tools and Multidisciplinary Design Optimization (MDO). The geometry parameterization techniques are qualitative approaches that produce quantitative results in terms of both robustness and flexibility of the design parameterization. The information/parameters from all tools/disciplines and the design intent of the generated concepts are saved and shared via a central database. The integrated framework facilitates multi-fidelity analysis, combining low-fidelity models with high-fidelity models for a quick estimation, enabling a rapid analysis and enhancing the time for a MDO process. The geometry is further propagated to other disciplines [Computational Fluid Dynamics (CFD), Finite Element Analysis (FEA)] for analysis. This is possible with an automated streamlined process (for CFD, FEM, system simulation) to analyze and increase knowledge early in the design process. Several processes were studied to streamline the geometry for CFD. Two working practices, one for parametric geometry and another for KB geometry are presented for automatic mesh generation. It is observed that analytical methods provide quicker weight estimation of the design and when coupled with KBE provide a better understanding. Integration of 1-D and 3-D models offers the best of both models: faster simulation, and superior geometrical representation. To validate both the framework and concepts generated from the tools, they are implemented in academia in several courses at Linköping University and in industry

Cleft Structures - Katharina Hartmann 2013-11-15
The phenomenon of clefts is beyond doubt a golden oldie. It has captivated linguists of different disciplines for decades. The fascination arises from the unique syntax of clefts in interaction with their pragmatic and semantic interpretation. Clefts structure sentences according to the information state of the constituents contained in them. They are special as they exhibit a rather uncommon syntactic form to achieve the separation of the prominent part, either focal or topical, from the background of the clause. Despite the long-lasting interest in clefts, linguists have not yet come to an agreement on many basic questions. The articles contained in this volume address these issues from new theoretical and empirical perspectives. Based on data from about 50 languages from all over the world, this volume presents new arguments for the proper derivation of clefts, and contributes to the ongoing debate on the information-structural impact of cleft structures. Theoretically, it combines modern syntactic theorizing with investigations at the interface between grammar and information-structure.

Generative Art - Matt Pearson 2011-06-29
Summary Generative Art presents both the technique and the beauty of algorithmic art. The book includes high-quality examples of generative art, along with the specific programmatic steps author and artist Matt Pearson followed to create each unique piece using the Processing programming language. About the Technology Artists have always explored new media, and computer-based artists are no exception. Generative art, a technique where the artist creates print or onscreen images by using computer algorithms, finds the artistic intersection of programming, computer graphics, and individual expression. The book includes a tutorial on Processing, an open source programming language and environment for people who want to create images, animations, and interactions. About the Book Generative Art presents both the techniques and the beauty of algorithmic art. In it, you'll find dozens of high-quality examples of generative art, along with the specific steps the author followed to create each unique piece using the Processing programming language. The book includes concise tutorials for each of the technical

components required to create the book's images, and it offers countless suggestions for how you can combine and reuse the various techniques to create your own works. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside The principles of algorithmic art A Processing language tutorial Using organic, pseudo-random, emergent, and fractal processes

== ========= Table of Contents Part 1 Creative Coding Generative Art: In Theory and Practice Processing: A Programming Language for ArtistsPart 2 Randomness and Noise The Wrong Way to Draw A Line The Wrong Way to Draw a Circle Adding Dimensions Part 3 Complexity Emergence Autonomy Fractals

Universal Access in Human-Computer Interaction. Multimodality and Assistive Environments - Margherita Antona 2019-07-10
This two-volume set constitutes the proceedings of the 13th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2019, held as part of the 21st International Conference, HCI International 2019, which took place in Orlando, FL, USA, in July 2019. The total of 1274 papers and 209 posters included in the 35 HCII 2019 proceedings volumes was carefully reviewed and selected from 5029 submissions. UAHCI 2019 includes a total of 95 regular papers; they were organized in topical sections named: universal access theory, methods and tools; novel approaches to accessibility; universal access to learning and education; virtual and augmented reality in universal access; cognitive and learning disabilities; multimodal interaction; and assistive environments.

Artificial Intelligence in Education - Carolyn Penstein Rosé 2018-06-20
This two volume set LNAI 10947 and LNAI 10948 constitutes the proceedings of the 19th International Conference on Artificial Intelligence in Education, AIED 2018, held in London, UK, in June 2018.The 45 full papers presented in this book together with 76 poster papers, 11 young researchers tracks, 14 industry papers and 10 workshop papers were carefully reviewed and selected from 192

submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas.

Advanced Technologies, Systems, and Applications II - Mirsad Hadžikadić 2018-01-30
This book presents innovative and interdisciplinary applications of advanced technologies. It includes the scientific outcomes of the 9th DAYS OF BHAAAS (Bosnian-Herzegovinian American Academy of Arts and Sciences) held in Banja Vrućica, Teslić, Bosnia and Herzegovina on May 25–28, 2017. This unique book offers a comprehensive, multidisciplinary and interdisciplinary overview of the latest developments in a broad section of technologies and methodologies, viewed through the prism of applications in computing, networking, information technology, robotics, complex systems, communications, energy, mechanical engineering, economics and medicine, to name just a few.

On the Way to the Web - Michael Banks 2012-11-05
On the Way to the Web: The Secret History of the Internet and Its Founders is an absorbing chronicle of the inventive, individualistic, and often cantankerous individuals who set the Internet free. Michael A. Banks describes how the online population created a new culture and turned a new frontier into their vision of the future. This book will introduce you to the innovators who laid the foundation for the Internet and the World Wide Web, the man who invented online chat, and the people who invented the products all of us use online every day. Learn where, when, how and why the Internet came into being, and exactly what hundreds of thousands of people were doing online before the Web. See who was behind it all, and what inspired them.

Adobe Illustrator 9.0 - 2000
Showcases the computer graphics program's updated features while demonstrating fundamental and advanced Illustrator concepts and displaying professionally designed projects.

The Finite Element Method and Applications in Engineering Using ANSYS® - Erdogan Madenci 2015-02-10
This textbook offers theoretical and practical knowledge of the finite element method. The book equips readers with the skills required to analyze engineering problems using ANSYS®, a commercially available FEA program. Revised and updated, this new edition presents the most current ANSYS® commands and ANSYS® screen shots, as well as modeling steps for each example problem. This self-contained, introductory text minimizes the need for additional reference material by covering both the fundamental topics in finite element methods and advanced topics concerning modeling and analysis. It focuses on the use of ANSYS® through both the Graphics User Interface (GUI) and the ANSYS® Parametric Design Language (APDL). Extensive examples from a range of engineering disciplines are presented in a straightforward, step-by-step fashion. Key topics include: • An introduction to FEM • Fundamentals and analysis capabilities of ANSYS® • Fundamentals of discretization and approximation functions • Modeling techniques and mesh generation in ANSYS® • Weighted residuals and minimum potential energy • Development of macro files • Linear structural analysis • Heat transfer and moisture diffusion • Nonlinear structural problems • Advanced subjects such as submodeling, substructuring, interaction with external files, and modification of ANSYS®-GUI Electronic supplementary material for using ANSYS® can be found at http://link.springer.com/book/10.1007/978-1-4899-7550-8. This convenient online feature, which includes color figures, screen shots and input files for sample problems, allows for regeneration on the reader's own computer. Students, researchers, and practitioners alike will find this an essential guide to predicting and simulating the physical behavior of complex engineering systems."

Computers and Creativity - Jon McCormack 2012-08-21
This interdisciplinary volume introduces new theories and ideas on creativity from the perspectives of science and art. Featuring contributions from leading researchers, theorists and artists working in artificial intelligence, generative art, creative computing, music composition, and cybernetics, the book examines the relationship between computation and creativity from both analytic and practical perspectives. Each contributor describes innovative new ways creativity can be understood through, and inspired by, computers. The book tackles critical philosophical questions and discusses the major issues raised by computational creativity, including: whether a computer can exhibit creativity independently of its creator; what kinds of creativity are possible in light of our knowledge from computational simulation, artificial intelligence, evolutionary theory and information theory; and whether we can begin to automate the evaluation of aesthetics and creativity in silico. These important, often controversial questions are contextualised by current thinking in computational creative arts practice. Leading artistic practitioners discuss their approaches to working creatively with computational systems in a diverse array of media, including music, sound art, visual art, and interactivity. The volume also includes a comprehensive review of computational aesthetic evaluation and judgement research, alongside discussion and insights from pioneering artists working with computation as a creative medium over the last fifty years. A distinguishing feature of this volume is that it explains and grounds new theoretical ideas on creativity through practical applications and creative practice. Computers and Creativity will appeal to theorists, researchers in artificial intelligence, generative and evolutionary computing, practicing artists and musicians, students and any reader generally interested in understanding how computers can impact upon creativity. It bridges concepts from computer science, psychology, neuroscience, visual art, music and philosophy in an accessible way, illustrating how computers are fundamentally changing what we can imagine and create, and how we might shape the creativity of the future. Computers and Creativity will appeal to theorists, researchers in artificial intelligence, generative and evolutionary computing, practicing artists and musicians, students and any reader generally interested in understanding how computers can impact upon creativity. It bridges concepts from computer science, psychology, neuroscience, visual art, music and philosophy in an accessible way,

illustrating how computers are fundamentally changing what we can imagine and create, and how we might shape the creativity of the future.

Atlas of Stress-strain Curves - ASM International 2002-01-01
Contains more than 1400 curves, almost three times as many as in the 1987 edition. The curves are normalized in appearance to aid making comparisons among materials. All diagrams include metric units, and many also include U.S. customary units

Jim Blinn's Corner: Notation, Notation, Notation - Jim Blinn 2002-07-16
The third entry in the Jim Blinn's Corner series, this is, like the others, a handy compilation of selected installments of his influential column. But here, for the first time, you get the "Director's Cut" of the articles: revised, expanded, and enhanced versions of the originals. What's changed? Improved mathematical notation, more diagrams, new solutions. What remains the same? All the things you've come to rely on: straight answers, irreverent style, and innovative thinking. This is Jim Blinn at his best - now even better. Features 21 expanded and updated installments of "Jim Blinn's Corner," dating from 1995 to 2001, and never before published in book form Includes "deleted scenes"—tangential explorations that didn't make it into the original columns Details how Blinn represented planets in his famous JPL flyby animations Explores a wide variety of other topics, from the concrete to the theoretical: assembly language optimization for parallel processors, exotic usage of C++ template instantiation, algebraic geometry, a graphical notation for tensor contraction, and his hopes for a future world

DocBook: The Definitive Guide - Norman Walsh 1999-10-28
DocBook is a system for writing structured documents using SGML and XML. DocBook provides all the elements you'll need for technical documents of all kinds. A number of computer companies use DocBook for their documentation, as do several Open Source documentation groups, including the Linux Documentation Project (LDP). With the consistent use of DocBook, these groups can readily share and exchange information. With an XML-enabled browser, DocBook documents are as accessible on the Web as in print. DocBook : The Definitive Guide is the complete and official documentation of the DocBook Document Type

Definition (DTD) and many of its associated tools. In this book, you'll find : A brief introduction to SGML and XML ; a guide to creating documents with the DocBook DTD and associated stylesheets. Information about using SGML and XML tools like jade and DSSSL ; a guide to customizing DocBook ; a complete SGML and XML reference, including examples, for every DocBook element. In addition, the CD-ROM contains the complete source text of this book, in both SGML and HTML ; all the examples from the book ; DSSSL stylesheets that let you convert DocBook documents to RTF, LaTeX, or HTML ; The DocBook DTD for SGML, version 3*1 ; The DocBk DTD for XML, version 3*1*5. In an era of collaborative creation of technology, when information is needed online as often as in print, DocBook is the essential. documentation environment. "DocBook : The Definitive Guide" is the one essential source of information about that environment.

Finite Element Analysis of Composite Materials using Abaqus™ - Ever J. Barbero 2013-04-18
Developed from the author's graduate-level course on advanced mechanics of composite materials, Finite Element Analysis of Composite Materials with Abaqus shows how powerful finite element tools address practical problems in the structural analysis of composites. Unlike other texts, this one takes the theory to a hands-on level by actually solving

CALL communities and culture – short papers from EUROCALL 2016 - Salomi Papadima-Sophocleous 2016-12-18
The 23rd EUROCALL conference was organised by the Cyprus University of Technology Language Centre. The theme of the conference was "CALL communities and Culture". Between the 24th and 27th August 2016, over 135 presentations were delivered and 27 posters were presented; 84 of these presentations appear in this volume of selected peer-reviewed short papers.

All That She Carried - Tiya Miles 2022-02-01
NATIONAL BOOK AWARD WINNER • NEW YORK TIMES BESTSELLER • A renowned historian traces the life of a single object handed down through three generations of Black women to craft a "deeply layered and insightful" (The Washington Post) testament to people who are left out of

the archives. WINNER: PEN/John Kenneth Galbraith Award, Anisfield-Wolf Book Award, Lawrence W. Levine Award, Darlene Clark Hine Award • ONE OF THE TEN BEST BOOKS OF THE YEAR: The Washington Post, Slate, Vulture, Publishers Weekly "A history told with brilliance and tenderness and fearlessness."—Jill Lepore, author of These Truths: A History of the United States In 1850s South Carolina, an enslaved woman named Rose faced a crisis: the imminent sale of her daughter Ashley. Thinking quickly, she packed a cotton bag for her with a few items, and, soon after, the nine-year-old girl was separated from her mother and sold. Decades later, Ashley's granddaughter Ruth embroidered this family history on the sack in spare, haunting language. Historian Tiya Miles carefully traces these women's faint presence in archival records, and, where archives fall short, she turns to objects, art, and the environment to write a singular history of the experience of slavery, and the uncertain freedom afterward, in the United States. All That She Carried is a poignant story of resilience and love passed down against steep odds. It honors the creativity and resourcefulness of people who preserved family ties when official systems refused to do so, and it serves as a visionary illustration of how to reconstruct and recount their stories today FINALIST: Frederick Douglass Book Prize, Harriet Tubman Prize, MAAH Stone Book Award, Ralph Waldo Emerson Prize, Kirkus Prize, Mark Lynton History Prize, Cundill History Prize, Chatauqua Prize ONE OF THE BEST BOOKS OF THE YEAR: The New York Times, NPR, Time, The Boston Globe, The Atlantic, The Atlanta Journal-Constitution, Smithsonian Magazine, St. Louis Post-Dispatch, Ms. magazine, Book Riot, Library Journal, Kirkus Reviews, Booklist

Your Wish Is My Command - Donna Kauffman 2009-06-10
"For every soul there is one true mate." So says Sebastien Valentin, a former privateer destined to spend eternity bringing soul mates together. Hexed by a voodoo priestess nearly two centuries ago, he is summoned by anyone who unsheathes the Sword of Hearts.... Former powerboat racing champion Jamie Sullivan has seen enough of the world that she doesn't believe in happy endings. And she certainly doesn't believe in the costumed pirate who appears after she draws the antique sword she

discovers in her attic—or his claim that he will match three people with their soul mates. And the third will be Jamie herself... .A notorious rake whose resistance to love sealed his fate, Sebastien has a surprising gift for pairing lovers for a lifetime. He introduces Jamie's two closest friends to the happiness only true love brings. But when it comes time to find a union for the unique spirit he has discovered in Jamie Sullivan, Sebastien cannot imagine this fiery woman with anyone ... but himself. Can he break the curse that binds him? Or will he at long last lose his heart ... only to lose the woman he loves?

Fundamentals of Agricultural and Field Robotics - Manoj Karkee 2021 Over the past century, mechanization has been an important means for optimizing resource utilization, improving worker health and safety and reducing labor requirements in farming while increasing productivity and quality of 4F (Food, Fuel, Fiber, Feed). Recognizing this contribution, agricultural mechanization was considered as one of the top ten engineering achievements of 20th century by the National Academy of Engineering. Accordingly farming communities have adopted increasing level of automation and robotics to further improve the precision management of crops (including input resources), increase productivity and reduce farm labor beyond what has been possible with conventional mechanization technologies. It is more important than ever to continue to develop and adopt novel automation and robotic solutions into farming so that some of the most complex agricultural tasks, which require huge amount of seasonal labor such as fruit and vegetable harvesting, could be automated while meeting the rapidly increasing need for 4F. In addition, continual innovation in and adoption of agricultural automation and robotic technologies is essential to minimize the use of depleting resources including water, minerals and other chemicals so that sufficient amount of safe and healthy food can be produced for current generation while not compromising the potential for the future generation. This book aims at presenting the fundamental principles of various aspects of automation and robotics as they relate to production agriculture (the branch of agriculture dealing with farming operations from field preparation to seeding, to harvesting and field

logistics). The building blocks of agricultural automation and robotics that are discussed in the book include sensing and machine vision, control, guidance, manipulation and end-effector technologies. The fundamentals and operating principles of these technologies are explained with examples from cutting-edge research and development currently going on around the word. This book brings together scientists, engineers, students and professionals working in these and related technologies to present their latest examples of agricultural automation and robotics research, innovation and development while explaining the fundamentals of the technology. The book, therefore, benefits those who wish to develop novel agricultural engineering solutions and/or to adopt them in the future. .

Designing for Learning in an Open World - Gráinne Conole 2012-09-21
The Internet and associated technologies have been around for almost twenty years. Networked access and computer ownership are now the norm. There is a plethora of technologies that can be used to support learning, offering different ways in which learners can communicate with each other and their tutors, and providing them with access to interactive, multimedia content. However, these generic skills don't necessarily translate seamlessly to an academic learning context. Appropriation of these technologies for academic purposes requires specific skills, which means that the way in which we design and support learning opportunities needs to provide appropriate support to harness the potential of technologies. More than ever before learners need supportive 'learning pathways' to enable them to blend formal educational offerings, with free resources and services. This requires a rethinking of the design process, to enable teachers to take account of a blended learning context.

Toolkit for Counseling Spanish-Speaking Clients - Lorraine T. Benuto 2017-11-14
This timely practical reference addresses the lack of Spanish-language resources for mental health professionals to use with their Latino clients. Geared toward both English- and Spanish-speaking practitioners in a variety of settings, this volume is designed to minimize

misunderstandings between the clinician and client, and with that the possibility of inaccurate diagnosis and/or ineffective treatment. Coverage for each topic features a discussion of cultural considerations, guidelines for evidence-based best practices, a review of available findings, a treatment plan, plus clinical tools and client handouts, homework sheets, worksheets, and other materials. Chapters span a wide range of disorders and problems over the life-course, and include reproducible resources for: Assessing for race-based trauma. Using behavioral activation and cognitive interventions to treat depression among Latinos. Treating aggression, substance use, abuse, and dependence among Latino Adults. Treating behavioral problems among Latino adolescents. Treating anxiety among Latino children. Working with Latino couples. Restoring legal competency with Latinos. The Toolkit for Counseling Spanish-Speaking Clients fills a glaring need in behavioral service delivery, offering health psychologists, social workers, clinical psychologists, neuropsychologists, and other helping professionals culturally-relevant support for working with this under served population. The materials included here are an important step toward dismantling barriers to mental health care.

Computer Vision and Image Processing Neeta Nain 2020-03-28
This two-volume set (CCIS 1147, CCIS 1148) constitutes the refereed proceedings of the 4th International Conference on Computer Vision and Image Processing. held in Jaipur, India, in September 2019. The 73 full papers and 10 short papers were carefully reviewed and selected from 202 submissions. The papers are organized by the topical headings in two parts. Part I: Biometrics; Computer Forensic; Computer Vision; Dimension Reduction; Healthcare Information Systems; Image Processing; Image segmentation; Information Retrieval; Instance based learning; Machine Learning.Part II: Neural Network; Object Detection; Object Recognition; Online Handwriting Recognition; Optical Character Recognition; Security and Privacy; Unsupervised Clustering.

Before & After - John McWade 2009-11-11
Before and After magazine's focus on clarity, simplicity, and elegance has won it legions of fans--fans who will welcome this second volume of

the definitive Before and After Page Design by John McWade. Truly an icon of the graphic design community, his insistence on approaching design not as mere decoration but as an essential form of communication is vividly apparent in this cohesive primer on page design and layout. And you could not hope for a better, more qualified teacher. McWade shows readers how to arrange and present information using today's powerful graphics tools. Readers will learn how to design single-page and multi-page documents, brochures, and ads; why one typeface works better than another; and much more. Best of all, they'll discover how to think visually transforming the images in their heads into something that communicates effectively on the page.

bookdown - Yihui Xie 2016-12-12
bookdown: Authoring Books and Technical Documents with R Markdown presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

Sustainable Product Development - Daizhong Su 2020-05-12
This book offers a comprehensive review of sustainability and product design, providing useful information on the relevant regulations and standards for industries to meet increasing market demands for eco-products, while reducing their impact on the environment. The examples and methods presented allow readers to gain insights into sustainable products. The authors also explain how to develop products with sustainability features by applying tools and methods for sustainable design and manufacture. These tools/methods include • Regulations/directives related to sustainable product development • Popular lifecycle analysis software packages • Environmental and social lifecycle impact assessment methods • Lifecycle inventory databases • Eco-point and eco-accounting infrastructure • ICT and traceability technologies for sustainable product development • Sustainable design and manufacture • Integrated approach for sustainable product development A description of each sustainability tool is accompanied by easy-to-understand guidelines as well as sustainable product development methods. Five different case studies are also presented to illustrate how to apply the tools and methods into the development of real sustainable products. In view of the increasing pressure on industries to meet the, sometimes conflicting, demands of the market and environment, this book is a valuable resource for engineers and managers in manufacturing companies wishing to update their knowledge of sustainable product development. It is also suitable for researchers and consultants who are involved or interested in sustainable product development, as well as for students studying sustainable development, production, and engineering management.

ICT for Promoting Human Development and Protecting the Environment - Francisco J. Mata 2016-08-29
This book constitutes the refereed proceedings of the 6th IFIP World Information Technology Forum, WITFOR 2016, San José, Costa Rica, in September 2016. The 16 full papers and 6 short papers presented were carefully reviewed and selected from 45 submissions. Within the general theme ICT for Promoting Human Development and Protecting the

Environment the papers are organized in the following topical sections encompassing the Sustainable Development Goals (SDGs) recently adopted by the United Nations: ICT and cross-cutting development issues; ICT and environmental problems: ICT and human development problems; and ICT and economic development problems.

JavaScript: The Good Parts - Douglas Crockford 2008-05-08
Most programming languages contain good and bad parts, but JavaScript has more than its share of the bad, having been developed and released in a hurry before it could be refined. This authoritative book scrapes away these bad features to reveal a subset of JavaScript that's more reliable, readable, and maintainable than the language as a whole—a subset you can use to create truly extensible and efficient code. Considered the JavaScript expert by many people in the development community, author Douglas Crockford identifies the abundance of good ideas that make JavaScript an outstanding object-oriented programming language-ideas such as functions, loose typing, dynamic objects, and an expressive object literal notation. Unfortunately, these good ideas are mixed in with bad and downright awful ideas, like a programming model based on global variables. When Java applets failed, JavaScript became the language of the Web by default, making its popularity almost completely independent of its qualities as a programming language. In JavaScript: The Good Parts, Crockford finally digs through the steaming pile of good intentions and blunders to give you a detailed look at all the genuinely elegant parts of JavaScript, including: Syntax Objects Functions Inheritance Arrays Regular expressions Methods Style Beautiful features The real beauty? As you move ahead with the subset of JavaScript that this book presents, you'll also sidestep the need to unlearn all the bad parts. Of course, if you want to find out more about the bad parts and how to use them badly, simply consult any other JavaScript book. With JavaScript: The Good Parts, you'll discover a beautiful, elegant, lightweight and highly expressive language that lets you create effective code, whether you're managing object libraries or just trying to get Ajax to run fast. If you develop sites or applications for the Web, this book is an absolute must.

Adoption and impact of OER in the Global South - Hodgkinson-Williams, Cheryl 2018-01-05
Education in the Global South faces several key interrelated challenges, for which Open Educational Resources (OER) are seen to be part of the solution. These challenges include: unequal access to education; variable quality of educational resources, teaching, and student performance; and increasing cost and concern about the sustainability of education. The Research on Open Educational Resources for Development (ROER4D) project seeks to build on and contribute to the body of research on how OER can help to improve access, enhance quality and reduce the cost of education in the Global South. This volume examines aspects of educator and student adoption of OER and engagement in Open Educational Practices (OEP) in secondary and tertiary education as well as teacher professional development in 21 countries in South America, Sub-Saharan Africa and South and Southeast Asia. The ROER4D studies and syntheses presented here aim to help inform Open Education advocacy, policy, practice and research in developing countries.

Foreign Language Learning with Digital Technology - Michael Evans 2009-02-07
While digital technology is endlessly innovating and improving itself as a tool to support teaching and learning, the cognitive process of language learning itself remains perennially the same. However, digital technology has created new learning opportunities and introduces new elements into the cognitive process of foreign language learning. The contributors of this well-edited collection examine foreign language learning primarily from a user perspective and explore these underlying questions: How does digital technology support existing foreign language learning needs and processes? What new learning experiences does it entail for the learner? The book situates new insights into the value of digital technology for foreign language learning within the context of evidence from prior research and of educational policy-making and examines key pedagogical uses of digital technology in relation to effective foreign language learning by pupils. It provides an in-depth description of the use of a range of digital media and combines practical ideas for teaching

and learning with critical analysis of evidence drawing on an analysis of technology-focused language learning across different sectors and in different anglophone contexts.

Twelve Years a Slave Solomon Northup 2021-01-01
"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

Building Parsers with Java - Steven John Metsker 2001
CD-ROM contains: Examples from text -- Parser toolkit -- Example programs.

Sentiment Analysis for Social Media - Carlos A. Iglesias 2020-04-02
Sentiment analysis is a branch of natural language processing concerned with the study of the intensity of the emotions expressed in a piece of text. The automated analysis of the multitude of messages delivered through social media is one of the hottest research fields, both in academy and in industry, due to its extremely high potential applicability in many different domains. This Special Issue describes both technological contributions to the field, mostly based on deep learning techniques, and specific applications in areas like health insurance, gender classification, recommender systems, and cyber aggression detection.

Real World Adobe InDesign CC - Olav Martin Kvern 2014
Annotation The definitive InDesign resource allows you to produce great content for print or digital publishing.**InDesign Creative Cloud is an impressive update. This guide provides our most complete coverage of the new features for intermediate and advanced users, whether they're publishing to an iPad, mobile phone, or traditional print publication.*The book that the Adobe InDesign product team uses for their reference.*Authors Kvern/Blatner/Bringhurst are 'the InDesign experts.' All are visible and extremely active in the InDesign community. Sharpen your InDesign skills with this definitive resource created specifically for design professionals who need to layout out, proof, export, and publish pages with Adobe InDesign Creative Cloud.Complete coverage of InDesign CC's new features and enhancements includes: improved epub exporting, new font menus, ability to generate and edit high quality QR code graphics, new document dialog box with preview option, and much more. Real World Adobe InDesign is brimming with insightful advice, illustrations, and shortcuts that will have you quickly and professionally producing your work in no time. This is the book that experts open to find real answers to their questions about InDesign. It's written in a friendly, visual style that offers accurate information and creative inspiration for intermediate to expert users.

Oracle PL/SQL Programming - Steven Feuerstein 2002
The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.