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Computational Science and Its Applications -- ICCSA 2013 Beniamino Murgante 2013-06-22 The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi Minh City, Vietnam in June 2013. The 248 revised papers presented in five tracks and 33 special sessions and workshops were carefully reviewed and selected. The 46 papers included in the five general tracks are organized in the following topical sections: computational methods, algorithms and scientific applications; high-performance computing and networks; geometric modeling, graphics and visualization;

advanced and emerging applications; and information systems and technologies. The 202 papers presented in special sessions and workshops cover a wide range of topics in computational sciences ranging from computational science technologies to specific areas of computational sciences such as computer graphics and virtual reality.

The Routledge Handbook of Health Communication Teresa L. Thompson 2011-08-24 The Routledge Handbook of Health Communication brings together the current body of scholarly work in health communication. With its expansive scope, it offers an introduction for those new to this area, summarizes work for those already learned in the area, and suggests avenues for future research on the relationships between communicative processes and health/health care delivery. This second edition of the Handbook has been organized to reflect the goals of health communication: understanding to make informed decisions and to promote formal and informal systems of care linked to health and well-being. It emphasizes work in such areas as barriers to disclosure in family conversations and medical interactions, access to popular media and advertising, and individual searches online for information and support to guide decisions and behaviors with health consequences. This edition also adds an overview of methods used in health communication and the unique challenges facing health communication researchers applying traditional methods to efforts to gain reliable and valid evidence about the role of communication for health. It introduces the promise of translational research being conducted by health communication researchers from multiple disciplines to form transdisciplinary theories and teams to increase the well-being of not only humans but the systems of care within their nations. Arguably the most comprehensive scholarly resource available for study in this area, the Routledge Handbook of Health

Communication serves an invaluable role and reference for students, researchers, and scholars doing work in health communication.

Architecting Dependable Systems II Rogério de Lemos 2004-11-29 As software systems become ubiquitous, the issues of dependability become more and more critical. Given that solutions to these issues must be taken into account from the very beginning of the design process, it is appropriate that dependability is addressed at the architectural level. This book results from an effort to bring together the research communities of software architectures and dependability. Inspired by the ICSE 2003 Workshop on Software Architectures for Dependable Systems, the book focuses on topics relevant to improving the state of the art in architecting dependable systems. The 15 thoroughly reviewed papers originate partly from the workshop; others were solicited in order to achieve complete coverage of all relevant aspects. The papers are organized into topical sections on architectures for dependability, fault-tolerance in software architectures, dependability analysis in software architectures, and industrial experience.

Data Cities Davina Jackson 2018-11 Data Cities explains how rocket science and electronic technologies are transforming how we live and understand architecture, as networks of semiconductors, satellites, scanners, and sensors convert light into unprecedented formats and contents of information. Flows of data will inform our future behaviors in physical, virtual, and hybrid-reality situations, and architecture and cities are being reinvented as not merely static structures, but places that pulse. This book surveys exceptional projects created by leading architects, scientists, artists, engineers, geographers, urban planners, gamers, gardeners, filmmakers and musicians, including lichtarchitektur by Asymptote, Yann Kersalé, Rafael Lozano-Hemmer, Bruce Munro, and Leni Schwendinger; VR and AR demos by Greg Lynn,

William Latham, and Joe Paradiso; creative robotics by Carlo Ratti, Patrick Tresset, Zaha Hadid, and Boston Dynamics; laser-cut constructs by Alex Haw and Patrick Keane; living architecture by Philip Beesley, Rachel Armstrong, and Mitchell Joachim; space schemes by Foster + Partners and BIG; public buildings by MVRDV, Wolfgang Buttress, Diller Scofidio + Renfro, Santiago Calatrava, Coop Himmelblau, UN Studio, WOHA, SHoP, LAVA, and MAD; atmospheric concepts by Philippe Rahm, Daan Roosegaarde, and Bruce Ramus; city modelling by UCL CASA, 300.000 KM/s, ETH-Zurich, and MIT; and underwater and aerial designs by Marc Newson, Ars Electronica-Spaxels, and Kleindienst.
Artificial Intelligence and Inclusive Education Jeremy Knox 2019-06-13 This book brings together the fields of artificial intelligence (often known as A.I.) and inclusive education in order to speculate on the future of teaching and learning in increasingly diverse social, cultural, emotional, and linguistic educational contexts. This book addresses a pressing need to understand how future educational practices can promote equity and equality, while at the same time adopting A.I. systems that are oriented towards automation, standardisation and efficiency. The contributions in this edited volume appeal to scholars and students with an interest in forming a critical understanding of the development of A.I. for education, as well as an interest in how the processes of inclusive education might be shaped by future technologies. Grounded in theoretical engagement, establishing key challenges for future practice, and outlining the latest research, this book offers a comprehensive overview of the complex issues arising from the convergence of A.I. technologies and the necessity of developing inclusive teaching and learning. To date, there has been little in the way of direct association between research and practice in these domains: A.I. has been a predominantly technical field of research and development, and while intelligent computer

systems and 'smart' software are being increasingly applied in many areas of industry, economics, social life, and education itself, a specific engagement with the agenda of inclusion appears lacking. Although such technology offers exciting possibilities for education, including software that is designed to 'personalise' learning or adapt to learner behaviours, these developments are accompanied by growing concerns about the in-built biases involved in machine learning techniques driven by 'big data'. Maintain Your Brain Michael J. Valenzuela 2011 You CAN take practical steps to avoid dementia - and this book from an Australian expert shows you how. Within twenty years, dementia is set to overtake heart disease as the number one cause of death in Australia. Recent studies show that almost half our adult population already have a family member or friend with the illness. those statistics seem rather grim, but there is GOOD NEWS! We don't need to accept dementia as an inevitable part of ageing. the main forms of dementia affecting people today are not inherited, and there are practical steps you can take right now that will not only help prevent dementia but also improve the overall health of your mind and body. In MAINtAIN YOUR BRAIN, leading Australian expert Dr Michael Valenzuela addresses all the common (and not-so-common) questions people have about dementia, and explains complex cutting-edge medical discoveries in a way that is clear and easy to understand. His practical advice is based on years of first-hand research and experience, and covers everything from blood pressure, diet and cholesterol to mental activity and physical exercise. Featuring plenty of simple tips, summaries and even recipes, this book is essential reading for anyone who wants to enjoy a healthy, active and happy life well into old age. Counseling Addicted Families Gerald A Juhnke 2013-08-16 In Counseling Addicted Families, Gerald A. Juhnke and William Bryce Hagedorn recognize that even those treatment providers

who understand the importance of the familial context of addiction are often stymied by the variety of family treatment theories and their often imperfect fit for cases of addiction. In this book, Juhnke and Hagedorn provide a truly integrated model for assessment and treatment. Based upon the authors' combined twenty-three years of experience in clinical and treatment supervision, the Integrated Family Addictions Model consists of six progressive treatment tiers which organize the relevant family treatment theories into a graduated and coherent sequence, beginning with the briefest and least costly forms of therapy.

European Aeronautical Telecommunication Network European Commission 1996
Earth Observation Data Cubes Gregory Giuliani 2020-03-16 Satellite Earth observation (EO) data have already exceeded the petabyte scale and are increasingly freely and openly available from different data providers. This poses a number of issues in terms of volume (e.g., data volumes have increased 10× in the last 5 years); velocity (e.g., Sentinel-2 is capturing a new image of any given place every 5 days); and variety (e.g., different types of sensors, spatial/spectral resolutions). Traditional approaches to the acquisition, management, distribution, and analysis of EO data have limitations (e.g., data size, heterogeneity, and complexity) that impede their true information potential to be realized. Addressing these big data challenges requires a change of paradigm and a move away from local processing and data distribution methods to lower the barriers caused by data size and related complications in data management. To tackle these issues, EO data cubes (EODC) are a new paradigm revolutionizing the way users can store, organize, manage, and analyze EO data. This Special Issue is consequently aiming to cover the most recent advances in EODC developments and implementations to broaden the use of EO data to larger communities of users, support decision-makers with timely and

actionable information converted into meaningful geophysical variables, and ultimately unlock the information power of EO data.

Extra Bold Ellen Lupton 2021-06-25 Extra Bold is the inclusive, practical, and informative (design) career guide for everyone! Part textbook and part comic book, zine, manifesto, survival guide, and self-help manual, Extra Bold is filled with stories and ideas that don't show up in other career books or design overviews. • Both pragmatic and inquisitive, the book explores power structures in the workplace and how to navigate them. • Interviews showcase people at different stages of their careers. • Biographical sketches explore individuals marginalized by sexism, racism, and ableism. • Practical guides cover everything from starting out, to wage gaps, coming out at work, cover letters, mentoring, and more. A new take on the design canon. • Opens with critical essays that rethink design principles and practices through theories of feminism, anti-racism, inclusion, and nonbinary thinking. • Features interviews, essays, typefaces, and projects from dozens of contributors with a variety of racial and ethnic backgrounds, abilities, gender identities, and positions of economic and social privilege. • Adds new voices to the dominant design canon. Written collaboratively by a diverse team of authors, with original, handcrafted illustrations by Jennifer Tobias that bring warmth, happiness, humor, and narrative depth to the book. Extra Bold is written by Ellen Lupton (Thinking with Type), Farah Kafei, Jennifer Tobias, Josh A. Halstead, Kaleena Sales, Leslie Xia, and Valentina Vergara.

Internet of Things. User-Centric IoT Raffaele Giaffreda 2015-06-25 The two-volume set LNICST 150 and 151 constitutes the thoroughly refereed post-conference proceedings of the First International Internet of Things Summit, IoT360 2014, held in Rome, Italy, in October 2014. This volume contains 74 full papers carefully reviewed and selected from 118 submissions at the following four conferences: the First International

Conference on Cognitive Internet of Things Technologies, COIOTE 2014; the First International Conference on Pervasive Games, PERGAMES 2014; the First International Conference on IoT Technologies for HealthCare, HealthyIoT 2014; and the First International Conference on IoT as a Service, IoTaaS 2014. The papers cover the following topics: user-centric IoT; artificial intelligence techniques for the IoT; the design and deployment of pervasive games for various sectors, such as health and wellbeing, ambient assisted living, smart cities and societies, education, cultural heritage, and tourism; delivery of electronic healthcare; patient care and medical data management; smart objects; networking considerations for IoT; platforms for IoTaaS; adapting to the IoT environment; modeling IoTaaS; machine to machine support in IoT.

International Entrepreneurship Robert D. Hisrich 2015-07-06 Combining comprehensive coverage with a wide variety of real-life cases, International Entrepreneurship: Starting, Developing, and Managing a Global Venture gives entrepreneurs the tools they need to successfully launch international ventures in today's hypercompetitive world. Bestselling author Dr. Robert D. Hisrich helps students and entrepreneurs develop global business plans, select international opportunities, and determine the best entry strategy. The text also covers practical considerations such as legal concerns, the global monetary systems, global marketing, and global human resource management for entrepreneurs. The fully updated Third Edition provides increased attention to culture and reflects recent changes in our increasingly globalized world. Readers will also be exposed to new cases featuring international activities of entrepreneurs and ventures throughout the world.

Wadi Flash Floods Tetsuya Sumi 2021-10-11 This open access book brings together research studies, developments, and application-related

flash flood topics on wadi systems in arid regions. The major merit of this comprehensive book is its focus on research and technical papers as well as case study applications in different regions worldwide that cover many topics and answer several scientific questions. The book chapters comprehensively and significantly highlight different scientific research disciplines related to wadi flash floods, including climatology, hydrological models, new monitoring techniques, remote sensing techniques, field investigations, international collaboration projects, risk assessment and mitigation, sedimentation and sediment transport, and groundwater quality and quantity assessment and management. In this book, the contributing authors (engineers, researchers, and professionals) introduce their recent scientific findings to develop suitable, applicable, and innovative tools for forecasting, mitigation, and water management as well as society development under seven main research themes as follows: Part 1. Wadi Flash Flood Challenges and Strategies Part 2. Hydrometeorology and Climate Changes Part 3. Rainfall–Runoff Modeling and Approaches Part 4. Disaster Risk Reduction and Mitigation Part 5. Reservoir Sedimentation and Sediment Yield Part 6. Groundwater Management Part 7. Application and Case Studies The book includes selected high-quality papers from five series of the International Symposium on Flash Floods in Wadi Systems (ISFF) that were held in 2015, 2016, 2017, 2018, and 2020 in Japan, Egypt, Oman, Morocco, and Japan, respectively. These collections of chapters could provide valuable guidance and scientific content not only for academics, researchers, and students but also for decision-makers in the MENA region and worldwide.

Modern Approaches for Intelligent Information and Database Systems Andrzej Sieminski 2018-02-23 This book offers a unique blend of reports on both theoretical models and their applications in the area of Intelligent

Information and Database Systems. The reports cover a broad range of research topics, including advanced learning techniques, knowledge engineering, Natural Language Processing (NLP), decision support systems, Internet of things (IoT), computer vision, and tools and techniques for Intelligent Information Systems. They are extended versions of papers presented at the ACIIDS 2018 conference (10th Asian Conference on Intelligent Information and Database Systems), which was held in Dong Hoi City, Vietnam on 19–21 March 2018. What all researchers and students of computer science need is a state-of-the-art report on the latest trends in their respective areas of interest. Over the years, researchers have proposed increasingly complex theoretical models, which provide the theoretical basis for numerous applications. The applications, in turn, have a profound influence on virtually every aspect of human activities, while also allowing us to validate the underlying theoretical concepts.

Domain-Specific Conceptual Modeling
Dimitris Karagiannis 2016-07-09 This book draws new attention to domain-specific conceptual modeling by presenting the work of thought leaders who have designed and deployed specific modeling methods. It provides hands-on guidance on how to build models in a particular domain, such as requirements engineering, business process modeling or enterprise architecture. In addition to these results, it also puts forward ideas for future developments. All this is enriched with exercises, case studies, detailed references and further related information. All domain-specific methods described in this volume also have a tool implementation within the OMiLAB Collaborative Environment – a dedicated research and experimentation space for modeling method engineering at the University of Vienna, Austria – making these advances accessible to a wider community of further developers and users. The collection of works presented here will benefit

experts and practitioners from academia and industry alike, including members of the conceptual modeling community as well as lecturers and students.

Software Architecture Carlos E. Cuesta 2018-09-19 This book constitutes the refereed proceedings of the 12th European Conference on Software Architecture, ECSA 2018, held in Madrid, Spain, in September 2018. The 17 full papers presented together with 7 short papers were carefully reviewed and selected from 96 submissions. They are organized in topical sections as follows: Self-Adaptive Architectures, IoT Architectures, Embedded and Cyber-Physical Systems, Microservices Architectures, Service-Oriented Architectures, Architectural Design Decisions, Software Architecture in Practice.

Rainbow of Computer Science Cristian S. Calude 2011-03-22 This volume is dedicated to Hermann Maurer on his 70th birthday. Topics include Automata, Formal Languages and Computability to various aspects of the Practice of Computer Science, as well as from Algorithmics to Learning.

Energy Positive Neighborhoods and Smart Energy Districts Antonello Monti 2016-09-21 Energy Positive Neighborhoods and Smart Energy Districts: Methods, Tools, and Experiences from the Field is a comprehensive guide to this highly interdisciplinary topic. Monti et. al's combined experience make them the most qualified team of editors to explore the processes and tools involved in creating Energy Positive Neighborhoods and Smart Energy Districts in an urban setting. Tools include: A complete simulation library to quickly support the implementation of a model of the scenario A set of possible approaches to neighborhood energy optimization An open, extensible information model for neighbourhood asset description The structure of this book offers different reading paths to appeal to the very varied audience it addresses. It describes the process of adaption and the challenges faced by the decision makers,

and also how simulation, optimisation, ICT approaches and business models are combined in a holistic and pragmatic way. It also offers possible business models and a means to quantify them to complete the development process. This book is suitable for students on muti-disciplinary energy engineering courses, energy practitioners, ICT vendors aiming to develop new services to target the building industry, and decision makers aiming to structure an urban renovation program. Delivers a significant amount of exclusive knowledge on the topics of energy positive neighborhoods and smart energy districts Allows readers to grasp the complexity of this interdisciplinary topic by providing access to well-structured processes and tools Includes real life examples of the transformation of two demonstration sites that illustrate the concepts discussed to add context and value to their implementation
Content Marketing Works Arnie Kuenn 2015-01-23 The best time to start content marketing was five years ago, the second best time is now. It's now the time to get ahead of the competition and make content marketing truly work for your business. Content Marketing Works: 8 Steps to Transform Your Business is a brand new book from Arnie and Brad Kuenn that will teach marketers and organizations a process to grow their business through the convergence of search, social, and content marketing. Content Marketing Works is a robust look at the process of creating, implementing and measuring a successful content marketing program. It covers the 8 Step Process of content marketing, created by the experts at content marketing agency, Vertical Measures, and how it can be used at any organization large or small to grow traffic, leads, and business. The 8 Steps cover: Strategy Development Ideation Content Creation Optimization Promotion Distribution Lead Nurture Measurement Whether you're a small-to-medium-sized businesses or an enterprise organization, the steps outlined in this book will help you build

content marketing practices from the ground up with real world case studies, thoughtful lessons, and expert advice packed into 290 pages. Readers will learn specific ways to link SEO and content marketing; how to create useful content to attract more traffic, more leads and more business; and how to connect with customers on a human level that encourages trust and loyalty. The content in this book also uncovers answers behind questions like: What exactly is content marketing? How important is search these days? How about social media? What in the world do I do about mobile? How do I set up a lead nurturing program? Where do I start to create an effective strategy? Foreword written by Joe Pulizzi Founder of Content Marketing Institue, Author of Epic Content Marketing "Content Marketing Works is your opportunity to clean slate your marketing. This book gives you permission to think and do differently from everyone else. This book is your ticket to becoming the leading informational resource for your particular niche.

This book will not only change the way you market, but it will change the way you conduct business." Praise for Content Marketing Works "The new question isn't should you do content marketing, it's precisely HOW do you do content marketing effectively. This is the actionable playbook for which you've been waiting. Recommended " - Jay Baer, New York Times bestselling author of Youtility "This book can (and for many, should) serve as a first step to upgrading your content marketing practices. Arnie and Brad deeply understand the relationship between content, marketing strategy, traffic opportunities, and sales, and what's better, have made that information useful and accessible." - Rand Fishkin, founder, Moz "Content Marketing Works wisely emphasizes that content marketing is a process, not a project. Just as a magazine doesn't publish a single issue, nor should your content program. Arnie and Brad take a complicated and critical element of modern business and demystifies it

with case studies, instruction, and an 8 Step guide. Nicely done." - Larry Kim, founder and CTO, WordStream

Digital Enterprise Technology Pedro Filipe Cunha 2007-09-18 The first Digital Enterprise Technology (DET) International Conference was held in Durham, UK in 2002 and the second DET Conference in Seattle, USA in 2004. Sponsored by CIRP (College International pour la Recherche en Productique), the third DET Conference took place in Setúbal, Portugal in 2006. Digital Enterprise Technology: Perspectives and Future Challenges is an edited volume based on this conference. Topics include: distributed and collaborative design, process modeling and process planning, advanced factory equipment and layout design and modeling, physical-to-digital environment integrators, enterprise integration technologies, and entrepreneurship in DET.

Caesar's Messiah Joseph Atwill 2011 Was Jesus the invention of a Roman emperor? The author of this ground-breaking book believes he was. "Caesar's Messiah" reveals the key to a new and revolutionary understanding of the origin of Christianity, explaining what is the New Testament, who is the real Jesus, and how Christ's second coming already occurred. The clues leading to these startling conclusions are found in the writings of the first-century historian Flavius Josephus, whose "Wars of the Jews" is one of the only historical chronicles of this period. Closely comparing the work of Josephus with the New Testament Gospels, "Caesar's Messiah" demonstrates that the Romans directed the writing of both. Their purpose: to offer a vision of a "peaceful Messiah" who would serve as an alternative to the revolutionary leaders who were rocking first-century Israel and threatening Rome. Similarly, "Caesar's Messiah" will rock our understanding of Christian history as it reveals that Jesus was a fictional character portrayed in four Gospels written not by Christians but Romans. This Flavian Signature edition adds

Atwill's latest discoveries of numerous parallel events in sequence which ultimately reveal the identity of the true authors of the Gospels.
Challenges in Cybersecurity and Privacy Jorge Bernal Bernabe 2019-06-30 Cybersecurity and Privacy issues are becoming an important barrier for a trusted and dependable global digital society development.In this context, new holistic approaches, methodologies, techniques and tools are needed to cope with those issues, and mitigate cyberattacks
Immersive Projection Technology and Virtual Environments 2001 B. Fröhlich 2001-05-03 17 papers report on the latest scientific advances in the fields of immersive projection technology and virtual environments. The main topics included here are human computer interaction (user interfaces, interaction techniques), software developments (virtual environment applications, rendering techniques), and input/output devices.
Test of Language Development Donald D. Hammill 2020
Greenhouse Gas Sinks Dave Reay 2007 In this first comprehensive handbook of the earth's sinks for greenhouse gases, leading researchers from around the world provide an expert synthesis of current understanding and uncertainties. It will be a valuable resource for students, researchers and practitioners in conservation, ecology and environmental studies.
Aaron Marks' Complete Guide to Game Audio Aaron Marks 2017-03-16 Whether trying to land that first big gig or working to perfect the necessary skills to fill a game world with sound, Aaron Marks' Complete Guide to Game Audio 3rd edition will teach the reader everything they need to know about the audio side of the multi-million dollar video game industry. This book builds upon the success of the second edition with even more expert advice from masters in the field and notes current changes within the growing video game industry. The tools of the trade excerpts will showcase what professionals,

like Marty O'Donnell, Richard Jacques and Tom Salta, use to create their work and to help newcomers in the field prepare their own sound studios. Sample contracts are reviewed within the text as well as helpful advice about contractual terms and negotiable points. These sample contracts can also be found as a downloadable zip for the reader's convenience. Aaron Marks also explores how to set your financial terms and network efficiently along with examples of how projects can go completely awry and achieving the best results in often complicated situations. Aaron Marks' Complete Guide to Game Audio serves as the ultimate survival guide to navigating an audio career in the video game industry. Key Features New, full color edition with a complete update of information. Added and expanded coverage of field recording for games, creating voiceovers, adaptive and interactive audio and other cutting edge sound creation and implementation techniques used within games.

Update/Replacement of interviews. Include interviews/features on international game audio professionals New and expanded interview features from game composers and sound designers of every experience level such as Keith Arem, Bradley Meyer, Christopher Tin and Rodney Gates including many international professionals like Pasi Pitkanen, Henning Nugel and Christos Panayides. Expanded and updated game console coverage of the Wii, Wii U, Xbox 360, Xbox One, PS3 and PS4. Includes new scripting and middleware concepts and techniques and review of powerful tools such as FMOD and Wwise.

Refrigeration, Air Conditioning and Heat Pumps Fabio Polonara 2021 Refrigeration, air conditioning, and heat pumps (RACHP) have an important impact on the final energy uses of many sectors of modern society, such as residential, commercial, industrial, transport, and automotive. Moreover, RACHP also have an important environmental impact due to the

working fluids that deplete the stratospheric ozone layer, which are being phased out according to the Montreal Protocol (1989). Last, but not least, high global working potential (GWP), working fluids (directly), and energy consumption (indirectly) are responsible for a non-negligible quota of greenhouse gas (GHG) emissions in the atmosphere, thus impacting climate change.

Economic Science Fictions William Davies 2018-05-04 An innovative new anthology exploring how science fiction can motivate new approaches to economics. From the libertarian economics of Ayn Rand to Aldous Huxley's consumerist dystopias, economics and science fiction have often orbited each other. In Economic Science Fictions, editor William Davies has deliberately merged the two worlds, asking how we might harness the power of the utopian imagination to revitalize economic thinking. Rooted in the sense that our current economic reality is no longer credible or viable, this collection treats our economy as a series of fictions and science fiction as a means of anticipating different economic futures. It asks how science fiction can motivate new approaches to economics and provides surprising new syntheses, merging social science with fiction, design with politics, scholarship with experimental forms. With an opening chapter from Ha-Joon Chang as well as theory, short stories, and reflections on design, this book from Goldsmiths Press challenges and changes the notion that economics and science fiction are worlds apart. The result is a wealth of fresh and unusual perspectives for anyone who believes the economy is too important to be left solely to economists. Contributors AUDINT, Khairani Barokka, Carina Brand, Ha-Joon Chang, Miriam Cherry, William Davies, Mark Fisher, Dan Gavshon-Brady and James Pockson, Owen Hatherley, Laura Horn, Tim Jackson, Mark Johnson, Bastien Kerspern, Nora O Murchú, Tobias Revell et al., Judy Thorne, Sherryl Vint,

Joseph Walton, Brian Willems
Evolution's Rainbow Joan Roughgarden
2013-09-14 In this innovative celebration of
diversity and affirmation of individuality in
animals and humans, Joan Roughgarden
challenges accepted wisdom about gender
identity and sexual orientation. A distinguished
evolutionary biologist, Roughgarden takes on the
medical establishment, the Bible, social
science—and even Darwin himself. She leads the
reader through a fascinating discussion of
diversity in gender and sexuality among fish,
reptiles, amphibians, birds, and mammals,
including primates. Evolution's Rainbow explains
how this diversity develops from the action of
genes and hormones and how people come to
differ from each other in all aspects of body and
behavior. Roughgarden reconstructs primary
science in light of feminist, gay, and transgender
criticism and redefines our understanding of sex,
gender, and sexuality. Witty, playful, and daring,
this book will revolutionize our understanding of
sexuality. Roughgarden argues that principal
elements of Darwinian sexual selection theory
are false and suggests a new theory that
emphasizes social inclusion and control of access
to resources and mating opportunity. She
disputes a range of scientific and medical
concepts, including Wilson's genetic determinism
of behavior, evolutionary psychology, the
existence of a gay gene, the role of parenting in
determining gender identity, and Dawkins's
"selfish gene" as the driver of natural selection.
She dares social science to respect the agency
and rationality of diverse people; shows that
many cultures across the world and throughout
history accommodate people we label today as
lesbian, gay, and transgendered; and calls on the
Christian religion to acknowledge the Bible's
many passages endorsing diversity in gender and
sexuality. Evolution's Rainbow concludes with
bold recommendations for improving education
in biology, psychology, and medicine; for
democratizing genetic engineering and medical

practice; and for building a public monument to affirm diversity as one of our nation's defining principles.

Applied Cyber-Physical Systems Sang C. Suh 2013-08-13 Applied Cyber-Physical Systems presents the latest methods and technologies in the area of cyber-physical systems including medical and biological applications. Cyber-physical systems (CPS) integrate computing and communication capabilities by monitoring, and controlling the physical systems via embedded hardware and computers. This book brings together unique contributions from renowned experts on cyber-physical systems research and education with applications. It also addresses the major challenges in CPS, and then provides a resolution with various diverse applications as examples. Advanced-level students and researchers focused on computer science, engineering and biomedicine will find this to be a useful secondary text book or reference, as will professionals working in this field.

Information Technology for Management Efraim Turban 2013-01-14 This text is an unbound, binder-ready edition. Information Technology for Management by Turban, Volonino Over the years, this leading IT textbook had distinguished itself with an emphasis on illustrating the use of cutting edge business technologies for achieving managerial goals and objectives. The 9th ed continues this tradition with coverage of emerging trends in Mobile Computing and Commerce, IT virtualization, Social Media, Cloud Computing and the Management and Analysis of Big Data along with advances in more established areas of Information Technology. The book prepares students for professional careers in a rapidly changing and competitive environment by demonstrating the connection between IT concepts and practice more clearly than any other textbook on the market today. Each chapter contains numerous case studies and real world examples illustrating how businesses

increase productivity, improve efficiency, enhance communication and collaboration, and gain competitive advantages through the use of Information Technologies.

Assessment and Diagnosis of Personality Disorders Armand W. Loranger 2007-09-10 Until recently, the diagnosis and assessment of personality disorders had lagged considerably behind that of most other mental disorders. The IPDE is a new instrument that is compatible, through two modules, with both ICD-10 and DSM-IV criteria. In the form of a semistructured clinical interview, it now provides a means of measuring major categories of personality disorders that previously had been ignored. It is also unique in that it seeks to secure reliable and uniform diagnosis that is both internationally and cross-culturally acceptable. Written by leading international authorities, this volume forms an invaluable reference manual to the IPDE instrument and its development. The book's first section includes an overview of the worldwide field trials of the interview and aspects of epidemiology that affect the current status of diagnosis and assessment research. The second section, detailing the full interview schedule and scoring system for the instrument, will further facilitate its use.

Software Architecture in Practice Len Bass 2003 This is the eagerly-anticipated revision to one of the seminal books in the field of software architecture which clearly defines and explains the topic.

Open Rajiv S. Jhangiani 2017-03-27 Affordable education. Transparent science. Accessible scholarship. These ideals are slowly becoming a reality thanks to the open education, open science, and open access movements. Running separate—if parallel—courses, they all share a philosophy of equity, progress, and justice. This book shares the stories, motives, insights, and practical tips from global leaders in the open movement.

Designing Audio Effect Plugins in C++ Will C.

Pirkle 2019-05-02 Designing Audio Effect Plugins in C++ presents everything you need to know about digital signal processing in an accessible way. Not just another theory-heavy digital signal processing book, nor another dull build-a-generic-database programming book, this book includes fully worked, downloadable code for dozens of professional audio effect plugins and practically presented algorithms. Sections include the basics of audio signal processing, the anatomy of a plugin, AAX, AU and VST3 programming guides; implementation details; and actual projects and code. More than 50 fully coded C++ audio signal-processing objects are included. Start with an intuitive and practical introduction to the digital signal processing (DSP) theory behind audio plug-ins, and quickly move on to plugin implementation, gain knowledge of algorithms on classical, virtual analog, and wave digital filters, delay, reverb, modulated effects, dynamics processing, pitch shifting, nonlinear processing, sample rate conversion and more. You will then be ready to design and implement your own unique plugins on any platform and within almost any host program. This new edition is fully updated and improved and presents a plugin core that allows readers to move freely between application programming interfaces and platforms. Readers are expected to have some knowledge of C++ and high school math.

Advances on Mechanics, Design Engineering and Manufacturing II Francisco Cavas-Martínez 2019-04-27 This book contains the papers presented at the International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing (JCM 2018), held on 20-22 June 2018 in Cartagena, Spain. It reports on cutting-edge topics in product design and manufacturing, such as industrial methods for integrated product and process design; innovative design; and computer-aided design. Further topics covered include virtual simulation and reverse engineering; additive manufacturing; product manufacturing; engineering methods in

medicine and education; representation techniques; and nautical, aeronautics and aerospace design and modeling. The book is divided into six main sections, reflecting the focus and primary themes of the conference. The contributions presented here will not only provide researchers, engineers and experts in a range of industrial engineering subfields with extensive information to support their daily work; they are also intended to stimulate new research directions, advanced applications of the methods discussed, and future interdisciplinary collaborations.

The Clinician's Guide to the Behavior Assessment System for Children (BASC)

Cecil R. Reynolds 2002-06-04 An indispensable guide for professionals using the popular Behavior Assessment System for Children (BASC), this book provides in-depth coverage of all BASC components, their uses, clinical and research applications, and interpretation. Written by BASC originators Cecil R. Reynolds and Randy W. Kamphaus, the book demonstrates the use of the system in clinical work with children with ADHD, behavior problems, depression, and many other conditions. Important research studies are presented and applications discussed for program evaluation, screening and early intervention research, diagnosis, treatment design, and treatment monitoring. The book contains numerous illustrative case studies. Other invaluable features are tables guiding the interpretation of deviant scores for each scale; several new subscales, including a Frontal Lobe/Executive Function scale; detailed coverage of forensic applications; and useful appendices, including a Spanish-language informational handout for parents.

Developmental Test of Visual Perception

Donald D. Hammill 1998-01-01

The Center Cannot Hold Elyn R. Saks 2007-08-14 A much-praised memoir of living and surviving mental illness as well as "a stereotype-shattering look at a tenacious woman whose brain is her

best friend and her worst enemy" (Time). Elyn R. Saks is an esteemed professor, lawyer, and psychiatrist and is the Orrin B. Evans Professor of Law, Psychology, Psychiatry, and the Behavioral Sciences at the University of Southern California Law School, yet she has suffered from schizophrenia for most of her life, and still has ongoing major episodes of the illness. The Center Cannot Hold is the eloquent, moving story of Elyn's life, from the first time that she heard voices speaking to her as a young teenager, to attempted suicides in college, through learning to live on her own as an adult in an often terrifying world. Saks discusses frankly the paranoia, the inability to tell imaginary fears from real ones, the voices in her head telling her to kill herself (and to harm others), as well as the incredibly difficult obstacles she overcame to become a highly respected professional. This beautifully written memoir is destined to become a classic in its genre.

Advances in Autism Research Antonio Narzisi 2021-06-08 This book represents one of the most up-to-date collections of articles on clinical practice and research in the field of Autism Spectrum Disorders (ASD). The scholars who contributed to this book are experts in their field, carrying out cutting edge research in prestigious institutes worldwide (e.g., Harvard Medical School, University of California, MIND Institute, King's College, Karolinska Institute, and many others). The book addressed many topics, including (1) The COVID-19 pandemic; (2) Epidemiology and prevalence; (3) Screening and early behavioral markers; (4) Diagnostic and phenotypic profile; (5) Treatment and intervention; (6) Etiopathogenesis (biomarkers, biology, and genetic, epigenetic, and risk factors); (7) Comorbidity; (8) Adulthood; and (9) Broader Autism Phenotype (BAP). This book testifies to the complexity of performing research in the field of ASD. The published contributions underline areas of progress and ongoing challenges in which more certain data is

expected in the coming years. It would be desirable that experts, clinicians, researchers, and trainees could have the opportunity to read this updated text describing the challenging heterogeneity of Autism Spectrum Disorder.