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Future Narratives - Christoph Bode 2013-10-29
This head volume of the 'Narrating Futures' series defines and identifies Future Narratives. It parses their characteristic features and aims at an abstract classification of the whole corpus, irrespective of its concrete manifestations across the media. Drawing on different theorems and approaches, it offers a unified theory and a

poetics of Future Narratives. Locating the media-historical moment of their emergence, this volume paves the way for the following volumes, which deal with how Future Narratives are refracted through different media.

Distributed Systems - Andrew S. Tanenbaum
2016-02-26

This second edition of Distributed Systems,

Principles & Paradigms, covers the principles, advanced concepts, and technologies of distributed systems in detail, including: communication, replication, fault tolerance, and security. Intended for use in a senior/graduate level distributed systems course or by professionals, this text systematically shows how distributed systems are designed and implemented in real systems.

Games and Learning Alliance - Antonios Liapis 2019-11-20

This book constitutes the refereed proceedings of the 8th International Conference on Games and Learning Alliance, GALA 2019, held in Athens, Greece, in November 2019. The 38 regular papers presented together with 19 poster papers were carefully reviewed and selected from 76 submissions. The papers cover the following topics: serious game design and pedagogical foundations; AI and technology for SG; gamification; applications and case studies; and posters. The chapter "Cyber Chronix,

Participatory Research Approach to Develop and Evaluate a Storytelling Game on Personal Data Protection Rights and Privacy Risks" is available open access under a CC BY 4.0 license at link.springer.com.

[OECD Studies on SMEs and Entrepreneurship SME and Entrepreneurship Policy in Brazil 2020](#) - OECD 2020-04-27

This report provides policy recommendations to enhance Brazil's SME and entrepreneurship performance, covering, among others, innovation policy, export support, access to finance, and women's entrepreneurship.

Data Mining: Concepts and Techniques - Jiawei Han 2011-06-09

Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data

(KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects

Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

Advances in Computer Science for Engineering and Education III - Zhengbing Hu 2020-08-05
This book comprises high-quality refereed research papers presented at the Third International Conference on Computer Science, Engineering and Education Applications (ICCSEEA2020), held in Kyiv, Ukraine, on 21-22 January 2020, organized jointly by National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", National Aviation University, and the International Research Association of Modern Education and Computer Science. The topics discussed in the book include state-of-the-art papers in computer

science, artificial intelligence, engineering techniques, genetic coding systems, deep learning with its medical applications, and knowledge representation with its applications in education. It is an excellent source of references for researchers, graduate students, engineers, management practitioners, and undergraduate students interested in computer science and their applications in engineering and education.

Viral Infections of Humans - Alfred S. Evans
2012-12-06

also occurs. New outbreaks of yellow fever have occurred in Colombia and Trinidad and new outbreaks of rift valley fever have occurred in Egypt. Chapter 6, Arenaviruses: The biochemical and physical properties have now been clarified, and they show a remarkable uniformity in the various viruses constituting the group. The possibility that prenatal infection with LCM may result in hydrocephalus and chorioretinitis has been raised. Serologic surveys have suggested

the existence of Lassa virus infection in Guinea, Central African Empire, Mali, Senegal, Cameroon, and Benin, in addition to earlier identification in Nigeria, Liberia, and Sierra Leone. Chapter 7, Coronaviruses: New studies have confirmed the important role of these viruses in common respiratory illnesses of children and adults. The viruses are now known to contain a single positive strand of RNA. About 50% of corona virus infections result in clinical illness. About 5% of common colds are caused by strain DC 43 in winter. Chapter 8, Cytomegalovirus: Sections on pathogenesis of CMV in relation to organ transplantation and mononucleosis, as well as sections on the risk and features of congenital infection and disease, have been expanded. There are encouraging preliminary results with a live CMV vaccine, but the questions of viral persistence and oncogenicity require further evaluation. Math in Society - David Lippman 2012-09-07
Math in Society is a survey of contemporary

mathematical topics, appropriate for a college-level topics course for liberal arts major, or as a general quantitative reasoning course. This book is an open textbook; it can be read free online at <http://www.opentextbookstore.com/mathinsociety/>. Editable versions of the chapters are available as well.

Glucose Sensing - Chris D. Geddes 2007-12-29

An essential reference for any laboratory working in the analytical fluorescence glucose sensing field. The increasing importance of these techniques is typified in one emerging area by developing non-invasive and continuous approaches for physiological glucose monitoring. This volume incorporates analytical fluorescence-based glucose sensing reviews, specialized enough to be attractive to professional researchers, yet appealing to a wider audience of scientists in related disciplines of fluorescence.

China Satellite Navigation Conference (CSNC) 2013 Proceedings - Jiadong Sun

2014-07-08

China Satellite Navigation Conference (CSNC) 2013 Proceedings presents selected research papers from CSNC2013, held on 15-17 May in Wuhan, China. The theme of CSNC2013 is: BeiDou Application: Opportunities and Challenges. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou system especially. They are divided into 9 topics to match the corresponding sessions in CSNC2013, which broadly covered key topics in GNSS. Readers can learn about the BeiDou system and keep abreast of the latest advances in GNSS techniques and applications. SUN Jiadong is the Chief Designer of the Compass/BeiDou system, and the Academician of Chinese Academy of Sciences (CAS); JIAO Wenhai is a researcher at China Satellite Navigation Office; WU Haitao is a professor at Navigation Headquarters, CAS; SHI Chuang is a

professor at Wuhan University.

Latin as the Language of Science and Learning -

Philipp Roelli 2021-11-22

This book investigates the role of the Latin language as a vehicle for science and learning from several angles. First, the question what was understood as 'science' through time and how it is named in different languages, especially the Classical ones, is approached. Criteria for what did pass as scientific are found that point to 'science' as a kind of Greek *Denkstil* based on pattern-finding and their unbiased checking. In a second part, a brief diachronic panorama introduces schools of thought and authors who wrote in Latin from antiquity to the present. Latin's heydays in this function are clearly the time between the twelfth and eighteenth centuries. Some niches where it was used longer are examined and reasons sought why Latin finally lost this lead-role. A third part seeks to define the peculiar characteristics of scientific Latin using corpus

linguistic approaches. As a result, several types of scientific writing can be identified. The question of how to transfer science from one linguistic medium to another is never far: Latin inherited this role from Greek and is in turn the ancestor of science done in the modern vernaculars. At the end of the study, the importance of Latin science for modern science in English becomes evident.

Proceedings of the 23rd International Conference on Industrial Engineering and Engineering Management 2016 - Ershi Qi
2017-03-07

International Conference on Industrial Engineering and Engineering Management is sponsored by Chinese Industrial Engineering Institution, CMES, which is the unique national-level academic society of Industrial Engineering. The conference is held annually as the major event in this area. Being the largest and the most authoritative international academic conference held in China, it supplies an

academic platform for the experts and the entrepreneurs in International Industrial Engineering and Management area to exchange their research results. Many experts in various fields from China and foreign countries gather together in the conference to review, exchange, summarize and promote their achievements in Industrial Engineering and Engineering Management fields. Some experts pay special attention to the current situation of the related techniques application in China as well as their future prospect, such as Industry 4.0, Green Product Design, Quality Control and Management, Supply Chain and logistics Management to cater for the purpose of low-carbon, energy-saving and emission-reduction and so on. They also come up with their assumption and outlook about the related techniques' development. The proceedings will offer theatrical methods and technique application cases for experts from college and university, research institution and enterprises

who are engaged in theoretical research of Industrial Engineering and Engineering Management and its technique's application in China. As all the papers are feathered by higher level of academic and application value, they also provide research data for foreign scholars who occupy themselves in investigating the enterprises and engineering management of Chinese style.

Excel 2013: The Missing Manual - Matthew MacDonald 2013-04-18

The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first

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formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.

Distributed Computing - Ajay D. Kshemkalyani
2011-03-03

Designing distributed computing systems is a complex process requiring a solid understanding of the design problems and the theoretical and

practical aspects of their solutions. This comprehensive textbook covers the fundamental principles and models underlying the theory, algorithms and systems aspects of distributed computing. Broad and detailed coverage of the theory is balanced with practical systems-related issues such as mutual exclusion, deadlock detection, authentication, and failure recovery. Algorithms are carefully selected, lucidly presented, and described without complex proofs. Simple explanations and illustrations are used to elucidate the algorithms. Important emerging topics such as peer-to-peer networks and network security are also considered. With vital algorithms, numerous illustrations, examples and homework problems, this textbook is suitable for advanced undergraduate and graduate students of electrical and computer engineering and computer science. Practitioners in data networking and sensor networks will also find this a valuable resource. Additional resources are available online at

www.cambridge.org/9780521876346.

Family, Bullying and Cyberbullying - Raul Navarro Olivas 2019-06-24

Despite the significant decrease in bullying that has been reported in many countries during the last two decades, bullying continues to be a significant problem among young people. Given the increase of internet use among youth, researchers have started to pay attention to cyberspace, understanding that it may be a fertile ground for bullying behaviors, specifically, what is known as cyberbullying. "Family, Bullying and Cyberbullying" examines the association of several family variables with bullying in offline and online environments during childhood and adolescence. Contributors from the Americas, Canada, Asia, and Europe offer cutting-edge research on family dynamics, bystander behaviors, parents' and educators' perceptions, and bullying and cyberbullying prevention and intervention strategies of bullying for school and home. This book also

provides an analysis of the current research on the influence of family in the electronic bullying.

Research topics included in the book: 1) Parental education and bullying and cyberbullying; 2) Parental monitoring and cyberbullying; 3) Parental communication and feelings of affiliation; 4) Student and educator perspective on cyberbullying; 5) Parents' responses to bullying; 6) Parental mediation and bystander behaviors; 7) Development of scales to measure cyberbullying and high internet risks. "Family, Bullying and Cyberbullying" is an essential resource for researchers, graduate students, families, and practitioners in social education, social work, teacher education, and psychology.

Seki, Founder of Modern Mathematics in Japan - Eberhard Knobloch 2013-11-13

Seki was a Japanese mathematician in the seventeenth century known for his outstanding achievements, including the elimination theory of systems of algebraic equations, which

preceded the works of Étienne Bézout and Leonhard Euler by 80 years. Seki was a contemporary of Isaac Newton and Gottfried Wilhelm Leibniz, although there was apparently no direct interaction between them. The Mathematical Society of Japan and the History of Mathematics Society of Japan hosted the International Conference on History of Mathematics in Commemoration of the 300th Posthumous Anniversary of Seki in 2008. This book is the official record of the conference and includes supplements of collated texts of Seki's original writings with notes in English on these texts. Hikosaburo Komatsu (Professor emeritus, The University of Tokyo), one of the editors, is known for partial differential equations and hyperfunction theory, and for his study on the history of Japanese mathematics. He served as the President of the International Congress of Mathematicians Kyoto 1990.

Distributed and Cloud Computing - Kai Hwang
2013-12-18

Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples from open-source and commercial applications, along with case studies from the leading distributed

computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more

available online

Programming in Prolog - W. F. Clocksin
2012-12-06

The computer programming language Prolog is quickly gaining popularity throughout the world. Since Its beginnings around 1970. Prolog has been chosen by many programmers for applications of symbolic computation. including:
D relational databases
D mathematical logic
D abstract problem solving
D understanding natural language
D architectural design
D symbolic equation solving
D biochemical structure analysis
D many areas of artificial Intelligence
Until now. there has been no textbook with the aim of teaching Prolog as a practical programming language. It Is perhaps a tribute to Prolog that so many people have been motivated to learn It by referring to the necessarily concise reference manuals. a few published papers. and by the orally transmitted 'folklore' of the modern computing community. However. as Prolog is beginning to be

Introduced to large numbers of undergraduate and postgraduate students. many of our colleagues have expressed a great need for a tutorial guide to learning Prolog. We hope this little book will go some way towards meeting this need. Many newcomers to Prolog find that the task of writing a Prolog program Is not like specifying an algorithm in the same way as In a conventional programming language. Instead. the Prolog programmer asks more what formal relationships and objects occur In his problem.

[Artificial Metalloenzymes and MetalloDNAzymes in Catalysis](#) - Montserrat Diéguez 2018-02-21

An important reference for researchers in the field of metal-enzyme hybrid catalysis Artificial Metalloenzymes and MetalloDNAzymes in Catalysis offers a comprehensive review of the most current strategies, developed over recent decades, for the design, synthesis, and optimization of these hybrid catalysts as well as material about their application. The contributors—noted experts in the field—present

information on the preparation, characterization, and optimization of artificial metalloenzymes in a timely and authoritative manner. The authors present a thorough examination of this interesting new platform for catalysis that combines the excellent selective recognition/binding properties of enzymes with transition metal catalysts. The text includes information on the various applications of metal-enzyme hybrid catalysts for novel reactions, offers insights into the latest advances in the field, and contains an informative perspective on the future: Explores the development of artificial metalloenzymes, the modern and strongly evolving research field on the verge of industrial application Contains a comprehensive reference to the research area of metal-enzyme hybrid catalysis that has experienced tremendous growth in recent years Includes contributions from leading researchers in the field Shows how this new catalysis combines the selective recognition/binding properties of enzymes with

transition metal catalysts Written for catalytic chemists, bioinorganic chemists, biochemists, and organic chemists, *Artificial Metalloenzymes and MetalloDNazymes in Catalysis* offers a unique reference to the fundamentals, concepts, applications, and the most recent developments for more efficient and sustainable synthesis.

Modelling, Simulation and Data Analysis in Acoustical Problems - Claudio Guarnaccia

2020-06-23

Modelling and simulation in acoustics is currently gaining importance. In fact, with the development and improvement of innovative computational techniques and with the growing need for predictive models, an impressive boost has been observed in several research and application areas, such as noise control, indoor acoustics, and industrial applications. This led us to the proposal of a special issue about “Modelling, Simulation and Data Analysis in Acoustical Problems”, as we believe in the importance of these topics in modern acoustics’

studies. In total, 81 papers were submitted and 33 of them were published, with an acceptance rate of 37.5%. According to the number of papers submitted, it can be affirmed that this is a trending topic in the scientific and academic community and this special issue will try to provide a future reference for the research that will be developed in coming years.

The Chinese Navy -

UNESCO Science Report - UNESCO

2021-06-18

Microplastic in the Environment: Pattern and Process - Michael S. Bank 2021-10-09

This open access book examines global plastic pollution, an issue that has become a critical societal challenge with implications for environmental and public health. This volume provides a comprehensive, holistic analysis on the plastic cycle and its subsequent effects on biota, food security, and human exposure.

Importantly, global environmental change and its associated, systems-level processes, including atmospheric deposition, ecosystem complexity, UV exposure, wind patterns, water stratification, ocean circulation, etc., are all important direct and indirect factors governing the fate, transport and biotic and abiotic processing of plastic particles across ecosystem types. Furthermore, the distribution of plastic in the ocean is not independent of terrestrial ecosystem dynamics, since much of the plastic in marine ecosystems originates from land and should therefore be evaluated in the context of the larger plastic cycle. Changes in species size, distribution, habitat, and food web complexity, due to global environmental change, will likely alter trophic transfer dynamics and the ecological effects of nano- and microplastics. The fate and transport dynamics of plastic particles are influenced by their size, form, shape, polymer type, additives, and overall ecosystem conditions. In addition to the risks that plastics pose to the total

environment, the potential impacts on human health and exposure routes, including seafood consumption, and air and drinking water need to be assessed in a comprehensive and quantitative manner. Here I present a holistic and interdisciplinary book volume designed to advance the understanding of plastic cycling in the environment with an emphasis on sources, fate and transport, ecotoxicology, climate change effects, food security, microbiology, sustainability, human exposure and public policy.

Data for the People - Andreas Weigend

2017-01-31

A long-time chief data scientist at Amazon shows how open data can make everyone, not just corporations, richer Every time we Google something, Facebook someone, Uber somewhere, or even just turn on a light, we create data that businesses collect and use to make decisions about us. In many ways this has improved our lives, yet, we as individuals do not

benefit from this wealth of data as much as we could. Moreover, whether it is a bank evaluating our credit worthiness, an insurance company determining our risk level, or a potential employer deciding whether we get a job, it is likely that this data will be used against us rather than for us. In *Data for the People*, Andreas Weigend draws on his years as a consultant for commerce, education, healthcare, travel and finance companies to outline how Big Data can work better for all of us. As of today, how much we benefit from Big Data depends on how closely the interests of big companies align with our own. Too often, outdated standards of control and privacy force us into unfair contracts with data companies, but it doesn't have to be this way. Weigend makes a powerful argument that we need to take control of how our data is used to actually make it work for us. Only then can we the people get back more from Big Data than we give it. Big Data is here to stay. Now is the time to find out how we can be empowered

by it.

Concepts Of Programming Languages - Sebesta 2016

Introduces students to the fundamental concepts of computer programming languages and provides them with the tools necessary to evaluate contemporary and future languages. An in-depth discussion of programming language structures, such as syntax and lexical and syntactic analysis, also prepares students to study compiler design. The Eleventh Edition maintains an up-to-date discussion on the topic with the removal of outdated languages such as Ada and Fortran. The addition of relevant new topics and examples such as reflection and exception handling in Python and Ruby add to the currency of the text. Through a critical analysis of design issues of various program languages, *Concepts of Programming Languages* teaches students the essential differences between computing with specific languages. Robert W. Sebesta is Associate Professor

Emeritus, Computer Science Office, UCCS,
University of Colorado at Colorado Springs. --
Publisher's note.

Cryptography and Network Security - William
Stallings 2016-02-18

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The Principles and Practice of Cryptography and Network Security Stallings' Cryptography and Network Security, Seventh Edition, introduces the reader to the compelling and evolving field of cryptography and network security. In an age of viruses and hackers, electronic eavesdropping, and electronic fraud on a global scale, security is paramount. The purpose of this book is to provide a practical survey of both the principles and practice of cryptography and network security. In the first part of the book, the basic issues to be addressed by a network security capability are explored by providing a tutorial and survey of

cryptography and network security technology. The latter part of the book deals with the practice of network security: practical applications that have been implemented and are in use to provide network security. The Seventh Edition streamlines subject matter with new and updated material — including Sage, one of the most important features of the book. Sage is an open-source, multiplatform, freeware package that implements a very powerful, flexible, and easily learned mathematics and computer algebra system. It provides hands-on experience with cryptographic algorithms and supporting homework assignments. With Sage, the reader learns a powerful tool that can be used for virtually any mathematical application. The book also provides an unparalleled degree of support for the reader to ensure a successful learning experience.

Activation of Small Molecules - William B.
Tolman 2006-12-13

The first to combine both the bioinorganic and

the organometallic view, this handbook provides all the necessary knowledge in one convenient volume. Alongside a look at CO₂ and N₂ reduction, the authors discuss O₂, NO and N₂O binding and reduction, activation of H₂ and the oxidation catalysis of O₂. Edited by the highly renowned William Tolman, who has won several awards for his research in the field.

Issues and trends in education for sustainable development - Leicht, Alexander 2018-02-19
Education for Sustainable Development (ESD) is globally acknowledged as a powerful driver of change, empowering learners to make decisions and take actions needed to build a just and economically viable society respectful of both the environment and cultural diversity.

Targets, Tracers and Translation - Novel Radiopharmaceuticals Boost Nuclear Medicine - Gerald Reischl 2019-09-20

This is the fourth Special Issue in Pharmaceuticals within the last six years dealing with aspects of radiopharmaceutical sciences. It

demonstrates the significant interest and increasing relevance to ameliorate nuclear medicine imaging with PET or SPECT, and also radiotherapeutical procedures. Numerous targets and mechanisms have been identified and have been under investigation over the previous years, covering many fields of medical and clinical research. This development is well illustrated by the articles in the present issue, including 13 original research papers and one review, covering a broad range of actual research topics in the field of radiopharmaceutical sciences.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching

documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Irrigation, Drainage and Salinity - V. A. Kovda
1973

Proceedings of the 21st International Symposium on Advancement of Construction Management and Real Estate - K. W. Chau
2017-12-18

This book presents the proceedings of CRIOCM_2016, 21st International Conference on Advancement of Construction Management and Real Estate, sharing the latest developments in real estate and construction management around the globe. The conference was organized by the Chinese Research Institute of Construction Management (CRIOCM) working in close collaboration with the University of Hong Kong. Written by international academics and professionals, the proceedings discuss the latest achievements, research findings and advances in frontier disciplines in the field of construction management and real estate. Covering a wide range of topics, including building information modelling, big data, geographic information systems, housing policies, management of infrastructure projects, occupational health and safety, real estate finance and economics, urban planning, and sustainability, the discussions provide valuable insights into the implementation of advanced construction project

management and the real estate market in China and abroad. The book is an outstanding reference resource for academics and professionals alike.

Clause and Effect - William F. Clocksin

2012-12-06

This book is for people who have done some programming, either in Prolog or in a language other than Prolog, and who can find their way around a reference manual. The emphasis of this book is on a simplified and disciplined methodology for discerning the mathematical structures related to a problem, and then turning these structures into Prolog programs. This book is therefore not concerned about the particular features of the language nor about Prolog programming skills or techniques in general. A relatively pure subset of Prolog is used, which includes the 'cut', but no input/output, no assert/retract, no syntactic extensions such as if then-else and grammar rules, and hardly any built-in predicates apart

from arithmetic operations. I trust that practitioners of Prolog programming who have a particular interest in the finer details of syntactic style and language features will understand my purposes in not discussing these matters. The presentation, which I believe is novel for a Prolog programming text, is in terms of an outline of basic concepts interleaved with worksheets. The idea is that worksheets are rather like musical exercises. Carefully graduated in scope, each worksheet introduces only a limited number of new ideas, and gives some guidance for practising them. The principles introduced in the worksheets are then applied to extended examples in the form of case studies.

Neural Engineering - Bin He 2013-01-09

Neural Engineering, 2nd Edition, contains reviews and discussions of contemporary and relevant topics by leading investigators in the field. It is intended to serve as a textbook at the graduate and advanced undergraduate level in a

bioengineering curriculum. This principles and applications approach to neural engineering is essential reading for all academics, biomedical engineers, neuroscientists, neurophysiologists, and industry professionals wishing to take advantage of the latest and greatest in this emerging field.

Mining of Massive Datasets - Jure Leskovec
2014-11-13

Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

The Grid 2 - Ian Foster 2004

"The Grid" is an emerging infrastructure that will fundamentally change the way people think about and use computing. The editors reveal the revolutionary impact of large-scale resource sharing and virtualization within science and industry, and the intimate relationships between organization and resource sharing structures.

PISA for Development Assessment and Analytical Framework Reading,

Mathematics and Science - OECD 2018-09-25
"What is important for citizens to know and be able to do?" The OECD Programme for International Student Assessment (PISA) seeks to answer that question through the most comprehensive and rigorous international assessment of student knowledge and skills. As more countries join its ranks, PISA ...

[The Right to Inclusive Education in International Human Rights Law](#) - Gauthier de Beco
2019-03-31

Education is a fundamental human right that is recognised as essential for the attainment of all civil, political, economic, social and cultural rights. It was not until 2006, on the adoption of the UN Convention on the Rights of Persons with Disabilities (CRPD), that the right to inclusive education was codified. This volume fills a major gap in the literature on the right of disabled people to education. It examines the theoretical foundations and core content of the right to inclusive education in international human

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rights law, and explores the various ways of implementing this right through an exploration of legal strategies and mechanisms. With contributions by leaders in the field, this volume advances scholarship on the core content of the right to inclusive education by examining the content and practice of the right at the national, regional and international levels.

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.

High Performance Python - Micha Gorelick
2020-04-30

Your Python code may run correctly, but you need it to run faster. Updated for Python 3, this expanded edition shows you how to locate performance bottlenecks and significantly speed up your code in high-data-volume programs. By exploring the fundamental theory behind design choices, High Performance Python helps you gain a deeper understanding of Python's implementation. How do you take advantage of multicore architectures or clusters? Or build a system that scales up and down without losing reliability? Experienced Python programmers will learn concrete solutions to many issues, along with war stories from companies that use high-performance Python for social media analytics, productionized machine learning, and

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more. Get a better grasp of NumPy, Cython, and profilers Learn how Python abstracts the underlying computer architecture Use profiling to find bottlenecks in CPU time and memory usage Write efficient programs by choosing appropriate data structures Speed up matrix and

vector computations Use tools to compile Python down to machine code Manage multiple I/O and computational operations concurrently Convert multiprocessing code to run on local or remote clusters Deploy code faster using tools like Docker