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Smartphones

Intl. Engineering Consortiu Analyzing the new technology of Smartphones in great detail, this guide discusses relevant reference solutions, the role of middleware on related operating systems, and how cell phone vendors consequently confront this growing challenge. A very detailed and cogent perspective on the world of Smartphones, the report examines its vast feature sets, reveals its impact on other leading technologies and companies, and supplies extensive case studies on how Smartphones enhance user productivity and encourage deployment of user applications.

Official Gazette of the United States Patent and Trademark Office

Patents

Intelligent Systems in Cybernetics and Automation Control Theory

Springer This book presents real-world problems and pioneering research that reflect novel approaches to cybernetics, algorithms and software engineering in the context of intelligent systems. It gathers the peer-reviewed proceedings of the 2nd Computational Methods in Systems and Software 2018 (CoMeSySo 2018), a conference that broke down traditional barriers by being held online. The goal of the event was to provide an international forum for discussing the latest high-quality research results.

Spatial and Temporal Databases

13th International Symposium, SSTD 2013, Munich, Germany, August 21-23, 2013, Proceedings

Springer This book constitutes the refereed proceedings of the 13th International Symposium on Spatial and Temporal Databases, SSTD 2013, held in Munich, Germany, in August 2013. The 24 revised full papers presented were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections on joins and algorithms; mining and discovery; indexing; trajectories and road network data; nearest neighbours queries; uncertainty; and demonstrations.

Professional Application Lifecycle Management with Visual Studio 2013

John Wiley & Sons Ramp up your software development with this comprehensive resource Microsoft's Application Lifecycle Management (ALM) makes software development easier and now features support for iOS, MacOS, Android, and Java development. If you are an application developer, some of the important factors you undoubtedly consider in selecting development frameworks and tools include agility, seamless collaboration capabilities, flexibility, and ease of use. Microsoft's ALM suite of productivity tools includes new functionality and extensibility that are sure to grab your attention. Professional Application Lifecycle Management with Visual Studio 2013 provides in-depth coverage of these new capabilities. Authors Mickey Gousset, Martin Hinshelwood, Brian A. Randell, Brian Keller, and Martin Woodward are Visual Studio and ALM experts, and their hands-on approach makes adopting new ALM functionality easy. Streamline software design and deployment with Microsoft tools and methodologies Gain a practical overview of ALM with step-by-step guides and reference material Case studies illustrate specific functionality and provide in-depth instruction Use new capabilities to support iOS, MacOS, Android and Java development Discover this comprehensive solution for modeling, designing, and coordinating enterprise software deployments Over 100 pages of new content, forward-compatible with new product releases Professional Application Lifecycle Management with Visual Studio 2013 provides a complete framework for using ALM to streamline software design and deployment processes using well-developed Microsoft tools and methodologies. Professional Application Lifecycle Management with Visual Studio 2013 is your guide to make use of newly-available ALM features to take your enterprise software development to the next level.

Beginning ASP.NET for Visual Studio 2015

John Wiley & Sons The complete guide to the productivity and performance enhancements in ASP.NET 6 Beginning ASP.NET 6 Web Forms and MVC is your ultimate guide to the latest upgrade of this historically popular framework.

InfoWorld

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

IBM Software-Defined Storage Guide

IBM Redbooks Today, new business models in the marketplace coexist with traditional ones and their well-established IT architectures. They generate new business needs and new IT requirements that can only be satisfied by new service models and new technological approaches. These changes are reshaping traditional IT concepts. Cloud in its three main variants (Public, Hybrid, and Private) represents the major and most viable answer to those IT requirements, and software-defined infrastructure (SDI) is its major technological enabler. IBM® technology, with its rich and complete set of storage hardware and software products, supports SDI both in an open standard framework and in other vendors' environments. IBM services are able to deliver solutions to the customers with their extensive knowledge of the topic and the experiences gained in partnership with clients. This IBM Redpaper™ publication focuses on software-defined storage (SDS) and IBM Storage Systems product offerings for software-defined environments (SDEs). It also provides use case examples across various industries that cover different client needs, proposed solutions, and results. This paper can help you to understand current organizational capabilities and challenges, and to identify specific business objectives to be achieved by implementing an SDS solution in your enterprise.

Web Information Systems Engineering - WISE 2005 Workshops

WISE 2005 International Workshops, New York, NY, USA, November 20-22, 2005,

Proceedings

Springer Science & Business Media This book constitutes the joint refereed proceedings of the three workshops held in conjunction with the 6th International Conference on Web Information Systems Engineering, WISE 2005, in New York, NY, USA, in November 2005. A total of 47 papers were submitted to the three workshops, and 28 revised full papers were carefully selected for presentation. The workshop on Web Information Systems Quality (WISQ 2005) - discussing and disseminating research on the quality of WIS and Web services from a holistic point of view - included 7 papers out of 12 submissions. The workshop on Web-based Learning (WBL 2005) accounted for 10 papers from 14 papers submitted - organized in topical sections on tools, models, and innovative applications. The workshop on Scalable Semantic Web Knowledge Base Systems (SSWS 2005) included 11 presentations selected from 21 submissions. Topics addressed are scalable repository and reasoning services, practical Semantic Web applications, query handling and optimization techniques.

E-Collaboration: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global "This set addresses a range of e-collaboration topics through advanced research chapters authored by an international partnership of field experts"--Provided by publisher.

Pro T-SQL Programmer's Guide

Apress Pro T-SQL Programmer's Guide is your guide to making the best use of the powerful, Transact-SQL programming language that is built into Microsoft SQL Server's database engine. This edition is updated to cover the new, in-memory features that are part of SQL Server 2014. Discussing new and existing features, the book takes you on an expert guided tour of Transact-SQL functionality. Fully functioning examples and downloadable source code bring technically accurate and engaging treatment of Transact-SQL into your own hands. Step-by-step explanations ensure clarity, and an advocacy of best-practices will steer you down the road to success. Transact-SQL is the language developers and DBAs use to interact with SQL Server. It's used for everything from querying data, to writing stored procedures, to managing the database. Support for in-memory stored procedures running queries against in-memory tables is new in the language and gets coverage in this edition. Also covered are must-know features such as window functions and data paging that help in writing fast-performing database queries. Developers and DBAs alike can benefit from the expressive power of T-SQL, and Pro T-SQL Programmer's Guide is your roadmap to success in applying this increasingly important database language to everyday business and technical tasks. Covers the newly-introduced, in-memory database features Shares the best practices used by experienced professionals Goes deeply into the subject matter – an advanced book for the serious reader

Advanced Information Systems Engineering

17th International Conference, CAiSE 2005, Porto, Portugal, June 13-17, 2005,

Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 17th International Conference on Advanced Information Systems Engineering, CAiSE 2005, held in Porto, Portugal in June 2005. The 39 revised full papers presented were carefully reviewed and selected from 282 submissions. The papers are organized in topical sections on conceptual modeling, metamodeling, databases, query processing, process modeling and workflow systems, requirements engineering, model transformation, knowledge management and verification, Web services, Web engineering, software testing, and software quality.

R Markdown

The Definitive Guide

CRC Press R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Grolmund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

Security Protocols

14th International Workshop, Cambridge, UK, March 27-29, 2006, Revised Selected Papers

Springer Science & Business Media This book constitutes the thoroughly refereed post-proceedings of the 14th International Workshop on Security Protocols, held in Cambridge, UK, in March 2006. The 21 revised full papers presented together with edited transcriptions of some of the discussions following the presentations have passed through multiple rounds of reviewing, revision, and selection. Among the topics addressed are authentication, anonymity, cryptographics and biometrics, cryptographic protocols, network security, privacy, SPKI, user-friendliness, access control, API security, costs of security, and others.

Official Gazette of the United States Patent and Trademark Office

Patents

Data Access in Workflow Management Systems

IOS Press

Machine Learning with SAS Viya

SAS Institute Master machine learning with SAS Viya! Machine learning can feel intimidating for new practitioners. Machine Learning with SAS Viya provides everything you need to know to get started with machine learning in SAS Viya, including decision trees, neural networks, and support vector machines. The analytics life cycle is covered from data preparation and discovery to deployment. Working with open-source code? Machine Learning with SAS Viya has you covered - step-by-step instructions are given on how to use SAS Model Manager tools with open source. SAS Model Studio features are highlighted to show how to carry out machine learning in SAS Viya. Demonstrations, practice tasks, and quizzes are included to help sharpen your skills. In this book, you will learn about: Supervised and unsupervised machine learning Data preparation and dealing with missing and unstructured data Model building and selection Improving and optimizing models Model deployment and monitoring performance

Declarative Agent Languages and Technologies VIII

8th International Workshop, DALT 2009, Toronto, Canada, May 10, 2010, Revised
Selected and Invited Papers

Springer This book constitutes the thoroughly refereed post-workshop proceedings of the 8th International Workshop on Declarative Agent Languages and Technologies, DALT 2010, held in Toronto, Canada, on May 10, 2010, as a satellite workshop of the 9th International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS 2010. The 7 revised full papers presented together with 4 invited lectures were carefully selected during two rounds of reviewing and improvement from 24 initial submissions. DALT aims to make formal methods and declarative technologies and approaches available to and understood by a broader segment of the multi-agent research community; the papers are organized in topical sections on BDI rational agents, communication, coordination and negotiation, as well as social aspects and control systems.

Web, Web-Services, and Database Systems

NODE 2002 Web and Database-Related Workshops, Erfurt, Germany, October 7-10,
2002, Revised Papers

Springer This book constitutes the thoroughly refereed post-proceedings of the Web- and Database-Related Workshops held during the NetObjectDays international conference NODE 2002, in Erfurt, Germany, in October 2002. The 19 revised full papers presented together with 3 keynote papers were carefully selected during 2 rounds of reviewing and improvement. The papers are organized in topical sections on advanced Web-services, UDDI extensions, description and classification of Web services, applications based on Web-services, indexing and accessing, Web and XML databases, mobile devices and the Internet, and XML query languages.

Scientific and Technical Aerospace Reports

Implementing an InfoSphere Optim Data Growth Solution

IBM Redbooks Today, organizations face tremendous challenges with data explosion and information governance. InfoSphere™ Optim™ solutions solve the data growth problem at the source by managing the enterprise application data. The Optim Data Growth solutions are consistent, scalable solutions that include comprehensive capabilities for managing enterprise application data across applications, databases, operating systems, and hardware platforms. You can align the management of your enterprise application data with your business objectives to improve application service levels, lower costs, and mitigate risk. In this IBM® Redbooks® publication, we describe the IBM InfoSphere Optim Data Growth solutions and a methodology that provides implementation guidance from requirements analysis through deployment and administration planning. We also discuss various implementation topics including system architecture design, sizing, scalability, security, performance, and automation. This book is intended to provide various systems development professionals, Data Solution Architects, Data Administrators, Modelers, Data Analysts, Data Integrators, or anyone who has to analyze or integrate data structures, a broad understanding about IBM InfoSphere Optim Data Growth solutions. By being used in conjunction with the product manuals and online help, this book provides guidance about implementing an optimal solution for managing your enterprise application data.

Web Information Systems and Technologies

9th International Conference, WEBIST 2013, Aachen, Germany, May 8-10, 2013, Revised Selected Papers

Springer This book contains the thoroughly refereed and revised best papers from the 9th International Conference on Web Information Systems and Technologies, WEBIST 2013, held in Aachen, Germany, in May 2013, organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC), and co-organized by the RWTH Aachen University. The 15 papers presented in this book were carefully reviewed and selected from 143 submissions. The papers were selected from those with the best reviews also taking into account the quality of their presentation at the conference. The papers are grouped into parts on Internet technology, Web interfaces and applications, society, e-business and e-government, Web intelligence, and mobile information systems.

Managing and Processing Big Data in Cloud Computing

IGI Global Big data has presented a number of opportunities across industries. With these opportunities come a number of challenges associated with handling, analyzing, and storing large data sets. One solution to this challenge is cloud computing, which supports a massive storage and computation facility in order to accommodate big data processing. Managing and Processing Big Data in Cloud Computing explores the challenges of supporting big data processing and cloud-based platforms as a proposed solution. Emphasizing a number of crucial topics such as data analytics, wireless networks, mobile clouds, and machine learning, this publication meets the research needs of data analysts, IT professionals, researchers, graduate students, and educators in the areas of data science, computer programming, and IT development.

Enterprise Knowledge Infrastructures

Springer Science & Business Media Success of an organization is increasingly dependent on its capability to create an environment in order to improve productivity of knowledge work. This book focuses on the concepts, models and technologies that are used to design and implement such an environment. It develops the vision of a modular, yet highly integrated enterprise knowledge infrastructure and presents an idealized architecture replete with current technologies and systems. The most important streams of technological development that are covered in the book are communication, collaboration, document and content management, e-learning, enterprise portals, business process management, information life cycle management, information retrieval and visualization, knowledge management, mobile computing, application and network infrastructure, Semantic Web and social software. It includes learning goals, exercises and case examples that help the reader to easily understand and practice the concepts.

The Electronic Evidence and Discovery Handbook

Forms, Checklists, and Guidelines

American Bar Association E-Discovery and the use of electronic evidence has increased dramatically over the past few years, but many lawyers still struggle with the complexities of dealing with electronic information. This comprehensive book provides lawyers with the templates they need to develop an effective E-Discovery strategy, and to frame appropriate E-Discovery requests. In addition to the ready-made forms, the authors also supply helpful information and commentary to bring you rapidly up to speed in the electronic discovery field. The accompanying CD-ROM features over 70 forms in Word format. Also included is an extensive electronic evidence case digest with over 200 cases summarized!

Neuroimaging Workflow Design and Data-Mining

Frontiers Media SA With the increasing number of neuroimaging studies appearing yearly in the literature, the need to consider the synthesis of the underlying data into new knowledge and research directions has never been more important. The development of large-scale databases and grid-enabled computing has laid the groundwork for mining these rich datasets beyond the scope of their initial collection. Additionally, meta-analyses of the summary results contained in published research articles have provided a powerful way to explore hidden trends in the neuroscience literature. In each case, the processing of data requires a careful consideration of the individual processing steps involved and how they can be assembled into reliable workflows. In results from published studies, the manner in which data were processed may influence meta-analytic results which can have implications on clinical interpretation. Several efforts now exist that provide tools for use in the construction of data processing workflows. However, careful thought must be given to ensuring appropriate, efficient, optimal, and replicable processing. The results obtained from data-mining and meta-analysis must tell a story about a collection of existing data. Also they must suggest novel and testable hypotheses for further investigation with implications for understanding of the brain in health and disease. Where they do, these new results and interpretations often provide fresh insights into the data that extend beyond the rationale for their original collection. In this volume, we have asked leaders in the field of neuroimaging data mining and meta-analysis to provide their thoughts on methods for efficient workflow design, interoperability with large-scale databases, and to discuss their work in exploring the richness of brain imaging data as well as the literature of published research results.

Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering

Springer Science & Business Media Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering includes selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2007) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2007).

ACE IT Officer eBook

Adda247 Publications This eBook will help you for IBPS SO IT, SBI SO IT, RRB SO IT--Adda247 brings the best solution for every IBPS Specialist Officer (IT) Aspirant!! Now you can study Professional Knowledge for IT Officer Exam from the ACE IT Officer Professional Knowledge eBook by Adda247 Publications. With this handeBook, you'll not only get the study material framed in modules, exercises and Questionnaire for practice and Practice Sets. Following is a brief syllabus for the same and also a short index of ACE IT Officer Professional Knowledge eBook by Adda247 Publications. Software & Hardware, DBMS, DATA WAREHOUSING & DATAMINING, OPERATING SYSTEM, Networking, . Information Security, Web Technology, Computer Organization & Microprocessor, Data Structure, Software Engineering ETC. Practice Sets also Available ,some features associated with this eBook are:-Covers all the important topics for SO IT Professional Knowledge Exam in 12 Modules, Easy Languag, e and representation for better and quick understanding of the topic, A Set of 60 Questions at the end of each Module that includes questions of varying difficulty level i.e. Beginner, Moderate and Difficult, 10 Practice Sets with detailed solution based on the updated pattern.

Integrated Information and Computing Systems for Natural, Spatial, and Social Sciences

IGI Global The 21st century has seen a number of advancements in technology, including the use of high performance computing. Computing resources are being used by the science and economy fields for data processing, simulation, and modeling. These innovations aid in the support of production, logistics, and mobility processes. Integrated Information and Computing Systems for Natural, Spatial, and Social Sciences covers a carefully selected spectrum of the most up to date issues, revealing the benefits, dynamism, potential, and challenges of information and computing system application scenarios and components from a wide spectrum of prominent disciplines. This comprehensive collection offers important guidance on the development stage of the universal solution to information and computing systems for researchers as well as industry decision makers and developers.

Managing Information Technology Resources in Organizations in the Next Millennium 1999 Information Resources Management Association International Conference, Hershey, PA, USA, May 16-19, 1999

IGI Global Managing Information Technology Resources in Organizations in the Next Millennium contains more than 200 unique perspectives on numerous timely issues of managing information technology in organizations around the world. This book, featuring the latest research and applied IT practices, is a valuable source in support of teaching and research agendas.

IBM Reference Architecture for High Performance Data and AI in Healthcare and Life Sciences

IBM Redbooks This IBM® Redpaper publication provides an update to the original description of IBM Reference Architecture for Genomics. This paper expands the reference architecture to cover all of the major vertical areas of healthcare and life sciences industries, such as genomics, imaging, and clinical and translational research. The architecture was renamed IBM Reference Architecture for High Performance Data and AI in Healthcare and Life Sciences to reflect the fact that it incorporates key building blocks for high-performance computing (HPC) and software-defined storage, and that it supports an expanding infrastructure of leading industry partners, platforms, and frameworks. The reference architecture defines a highly flexible, scalable, and cost-effective platform for accessing, managing, storing, sharing, integrating, and analyzing big data, which can be deployed on-premises, in the cloud, or as a hybrid of the two. IT organizations can use the reference architecture as a high-level guide for overcoming data management challenges and processing bottlenecks that are frequently encountered in personalized healthcare initiatives, and in compute-intensive and data-intensive biomedical workloads. This reference architecture also provides a framework and context for modern healthcare and life sciences institutions to adopt cutting-edge technologies, such as cognitive life sciences solutions, machine learning and deep learning, Spark for analytics, and cloud computing. To illustrate these points, this paper includes case studies describing how clients and IBM Business Partners alike used the reference architecture in the deployments of demanding infrastructures for precision medicine. This publication targets technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for providing life sciences solutions and support.

Search-Based Applications

At the Confluence of Search and Database Technologies

Springer Nature We are poised at a major turning point in the history of information management via computers. Recent evolutions in computing, communications, and commerce are fundamentally reshaping the ways in which we humans interact with information, and generating enormous volumes of electronic data along the way. As a result of these forces, what will data management technologies, and their supporting software and system architectures, look like in ten years? It is difficult to say, but we can see the future taking shape now in a new generation of information access platforms that combine strategies and structures of two familiar -- and previously quite distinct -- technologies, search engines and databases, and in a new model for software applications, the Search-Based Application (SBA), which offers a pragmatic way to solve both well-known and emerging information management challenges as of now. Search engines are the world's most familiar and widely deployed information access tool, used by hundreds of millions of people every day to locate information on the Web, but few are aware they can now also be used to provide precise, multidimensional information access and analysis that is hard to distinguish from current database applications, yet endowed with the usability and massive scalability of Web search. In this book, we hope to introduce Search Based Applications to a wider audience, using real case studies to show how this flexible technology can be used to intelligently aggregate large volumes of unstructured data (like Web pages) and structured data (like database content), and to make that data available in a highly contextual, quasi real-time manner to a wide base of users for a varied range of purposes. We also hope to shed light on the general convergences underway in search and database disciplines, convergences that make SBAs possible, and which serve as harbingers of information management paradigms and technologies to come. Table of Contents: Search Based Applications / Evolving Business Information Access Needs / Origins and Histories / Data Models and Storage / Data Collection/Population / Data Processing / Data Retrieval / Data Security, Usability, Performance, Cost / Summary Evolutions and Convergences / SBA Platforms / SBA Uses and Preconditions / Anatomy of a Search Based Application / Case Study: GEFCO / Case Study: Urbanizer / Case Study: National Postal Agency / Future Directions

Web-Age Information Management

11th International Conference, WAIM 2010, Jiuzhaigou, China, July 15-17, 2010, Proceedings

Springer Science & Business Media Lecture Notes in Computer Science The LNCS series reports state-of-the-art results in computer science research, development, and education, at a high level and in both printed and electronic form. Enjoying tight cooperation with the R&D community, with numerous individuals, as well as with prestigious organizations and societies, LNCS has grown into the most comprehensive computer science research forum available. The scope of LNCS, including its subseries LNAI and LNBI, spans the whole range of computer science and information technology including interdisciplinary topics in a variety of application fields. The type of material published traditionally includes proceedings (published in time for the respective conference) post-proceedings (consisting of thoroughly revised final full papers) research monographs (which may be based on outstanding Phi) work, research projects, technical reports, etc.) More recently, several color-cover sublines have been added featuring, beyond a collection of papers, various added-value components; these sublines include tutorials (textbook-like monographs or collections of lectures given at advanced courses) state-of-the-art surveys (offering complete and mediated coverage of a topic) hot topics (introducing emergent topics to the broader community)

High Performance Parallel I/O

CRC Press Gain Critical Insight into the Parallel I/O Ecosystem Parallel I/O is an integral component of modern high performance computing (HPC), especially in storing and processing very large datasets to facilitate scientific discovery. Revealing the state of the art in this field, High Performance Parallel I/O draws on insights from leading practitioners, researchers, software architects, developers, and scientists who shed light on the parallel I/O ecosystem. The first part of the book explains how large-scale HPC facilities scope, configure, and operate systems, with an emphasis on choices of I/O hardware, middleware, and applications. The book then traverses up the I/O software stack. The second part covers the file system layer and the third part discusses middleware (such as MPIIO and PLFS) and user-facing libraries (such as Parallel-NetCDF, HDF5, ADIOS, and GLEAN). Delving into real-world scientific applications that use the parallel I/O infrastructure, the fourth part presents case studies from particle-in-cell, stochastic, finite volume, and direct numerical simulations. The fifth part gives an overview of various profiling and benchmarking tools used by practitioners. The final part of the book addresses the implications of current trends in HPC on parallel I/O in the exascale world.

SAS Companion for the UNIX Environment and Derivatives

Sas Inst You have now read enough about UNIX operating systems to be familiar with some of the commands to handle files, create shell scripts, and run scripts. To use the SAS system, you will need to become familiar with the `config.sas` and `autoexec.sas` files described in configuration and autoexec file details.

Safety at Street Works and Road Works

A Code of Practice

This publication sets out the statutory requirements for signing, lighting, and guarding at street works and road works. This is the core reference manual for utility companies, local authorities, street work contractors and others whose day-to-day business involves street works (works by statutory undertakers and other utility companies etc) and road works (works to maintain or repair road infrastructure). The code, which covers all of the UK and includes national variations, is now compulsory for highway/road authorities in England, Wales and Northern Ireland. It applies to all single carriageway roads and dual carriageways with a speed limit of 40 mph or less. The code is now divided into three parts: Basic Principles, Operations, and Equipment and Vehicles; site layout diagrams have been redrawn to make them easier to understand. There is: increased emphasis on using risk assessment and guidance on what to consider in such assessments; strengthened guidance on providing for pedestrians and cyclists and new guidance on traffic control measures related to road closures, one-way working and temporary road obstructions; enhanced advice on other traffic control measures including works near tramways and railways, and mobile/short duration works; and updated advice on high visibility clothing and the signing and conspicuity requirements for work vehicles. Effective from 1 October 2014 when it will supersede the 2001 edition (ISBN 9780115519581).

Computerworld

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

SharePoint 2013 Unleashed

Sams Publishing Buy the print SharePoint 2013 Unleashed and get the eBook version for free! See inside the book for access code and details. ; SharePoint 2013 Unleashed is the most complete, practical resource for all administrators, managers, architects, users, and developers to make the most of Microsoft's powerful new SharePoint 2013 platform. ; Drawing on their experience implementing SharePoint solutions in hundreds of organizations, Michael Noel and Colin Spence focus on what administrators and knowledge workers really need to know to effectively design, implement, configure, and use SharePoint 2013. They fully address key SharePoint 2013 innovations such as PowerShell scripting to automate administration and farm provisioning; better virtualization support; improved security and authentication; new business intelligence tools, social networking improvements; enhanced lists; libraries; metadata; and more. ; Step by step, through easy-to-understand examples, they help you streamline administration, optimize performance, control cost, and implement high-value solutions for collaboration, document and web content management, and business intelligence. ; Detailed information on how to... ; Optimize your SharePoint 2013 design/deployment plan, right-size your server farm(s), and improve scalability ; Reduce costs by virtualizing your SharePoint environment and automating farm deployment ; Optimize search with metadata, content types, and taxonomies ; Streamline management with PowerShell and the SharePoint Central Administration tool ; Efficiently monitor, back up, and restore SharePoint environments ; Understand new Shredded Storage capabilities and new Service Applications built into the infrastructure layer of SharePoint ; Deploy SharePoint's improved social networking features, including microblogging ; Deploy SharePoint as an extranet using various external authentication providers ; Use powerful out-of-the-box workflows—and create your own with SharePoint Designer 2013 and Visual Studio 2013 ; Build Business Intelligence solutions with PerformancePoint and Business Connectivity Services ;

Handbook of Diesel Engines

Springer Science & Business Media This machine is destined to completely revolutionize cylinder diesel engine up through large low speed t- engine engineering and replace everything that exists. stroke diesel engines. An appendix lists the most (From Rudolf Diesel's letter of October 2, 1892 to the important standards and regulations for diesel engines. publisher Julius Springer.) Further development of diesel engines as economiz- Although Diesel's stated goal has never been fully ing, clean, powerful and convenient drives for road and achievable of course, the diesel engine indeed revolu- nonroad use has proceeded quite dynamically in the tionized drive systems. This handbook documents the last twenty years in particular. In light of limited oil current state of diesel engine engineering and technol- reserves and the discussion of predicted climate ogy. The impetus to publish a Handbook of Diesel change, development work continues to concentrate Engines grew out of ruminations on Rudolf Diesel's on reducing fuel consumption and utilizing alternative transformation of his idea for a rational heat engine fuels while keeping exhaust as clean as possible as well into reality more than 100 years ago. Once the patent as further increasing diesel engine power density and was filed in 1892 and work on his engine commenced enhancing operating performance.

NASA Tech Briefs